

METRO VANCOUVER REGIONAL DISTRICT SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, June 6, 2023

1:00 pm – 4:00 pm

In-Person Workshop

Anvil Centre – 777 Columbia St, New Westminster, BC

A G E N D A

1. AGENDA

1.1 June 6, 2023 Meeting Agenda

2. MINUTES

2.1 May 9, 2023 Meeting Minutes

3. SOLID WASTE MANAGEMENT PLAN UPDATE VISION AND GUIDING PRINCIPLES WORKSHOP

3.1 Discussion Guide and Backgrounder

4. INDUSTRY ADVISORY COMMITTEE CO-CHAIR ELECTION

4.1 Voting Process

4.2 Nominations

4.3 Election

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates

Verbal Update

Designated Speaker: Paul Henderson, General Manager, Solid Waste Services

5.2 2023 IAC Action Tracker and Summarize Meeting Action Items

Verbal Update

Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services

6. INFORMATION ITEMS

6.1 Regional Waste Flows - May

6.2 Industry Advisory Committee 2023 Work Plan

6.3 Collaborative Engagement RFI Announcement

7. NEXT STEPS

Committee Co-Chairs:

Director Craig Hodge, Zero Waste

Committee Vice Chair

Polak, Mary - Waste Connections of Canada

Membership:

Abrams, Izzie - Waste Connections of Canada

Ahmadi, Taufiq – Maple Leaf Disposal

Berkhof, Edwin – Evergen Infrastructure Corp.

Bryan, Lori - Waste Management Association of BC

Carrusca, Ken - Cement Association of Canada

Collins, James - Tymac Launch Service Ltd.

Coutts, Cindy – Encorp Pacific Canada

Crawford, Jeremy – Waste Control Services

Dietrich, Christian – Ecowaste Industries

Hankins, Grant - Waste Management Association of BC

Johnson, Gord - Empower Environmental/ Northstar

JansenVandoorn, Josh - Anaconda Systems Ltd.

Kaminski, Jamie - HSR Zero Waste

Kawakami, Sean - Convertus Group

Kiani, Aiden - Lock-Block Ltd.

Koehn, Leanne – Ridge Meadows

Recycling Society

Lannin, Mike – Super Save Group

Lotzkar, Jacqueline - Pacific Metals

Recycling Inc.

Mallari, Achilles - Sierra Waste

Services Ltd.

McAra, Matthew – GFL

McRae, Ralph – Revolution

Millman, David - Waste Management

of Canada

Moucachen, Maya - Merlin Plastics

Plotnikoff, Terry - Canadian

Mattress Recycling Inc.

Prasad, Shad - Cascade Recovery +

Shore, Cynthia - Republic Services

Sigmund, Sandy – Encorp Pacific

Canada

Stefenelli, Nicole - Urban Impact

Recycling Inc.

Victor, Nicole - Covanta

Zarbl, Michael - Major Appliances

Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver

Belanger, Lynn – City of Vancouver

Doorn, Nanette van – Metro

Vancouver

Joy, Samantha - Metro Vancouver

Henderson, Paul – Metro Vancouver

McDermott, Jon – City of Vancouver

Mizan, Zeenia – Metro Vancouver

Underwood, Chris – Metro

Vancouver

Vidler, Lynne – Metro Vancouver

**METRO VANCOUVER REGIONAL DISTRICT
SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE MEETING**

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee
Meeting held at 2:00 p.m. on Tuesday, May 9, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)	Aiden Kiani, Lock-Block Ltd.
Mary Polak, Waste Connections of Canada (Co-Chair)	Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Izzie Abrams, Waste Connections of Canada	Achilles Mallari, Sierra Waste Services Ltd.
Lori Bryan, Waste Management Assoc. of BC	Ralph McRae, Revolution Infrastructure Inc.
Ken Carrusca, Cement Association of Canada	David Millman, Waste Management Association of Canada
Christian Dietrich, Ecowaste Industries	Shad Prasad, Cascade Recovery+
Jamie Kaminski, HSR Zero Waste	Cynthia Shore, Republic Services
Sean Kawakami, Convertus Group	Edwin Berkhof, Evergen Infrastructure Corp.
Grant Hankins, Waste Management Association of BC	Leanna Koehn, Ridge Meadows Recycling Society
Maya Moucachen, Merlin Plastics	Michael Zarbl, Major Appliances Recycling Roundtable
Mike Lanin, Super Save Group	Nicole Victor, Covanta
Nicole Stefanelli, Urban Impact Recycling	

MEMBERS ABSENT

James Collins, Tymac Launch Service Ltd.	Terryl Plotnikoff, Canadian Mattress Recycling Inc.
Jeremy Crawford, Waste Control Services	Liliana Segal, Green Chair Recycling
Robbie Gill, Cloverdale Fuel Ltd.	Taufiq Ahamad, Maple Leaf Disposal
Gord Johnson, Empower Environmental/Northstar	Sandy Sigmund, Encorp Pacific Canada
Matthew McAra, GFL	
James Collins, Tymac Launch Services Ltd.	
Josh Jansen Vandoorn, Anaconda Systems Ltd.	

METRO VANCOUVER (MV) STAFF:

Brooke Atkinson, Engagement Specialist, Strategy and Stakeholder Relations,
Solid Waste Services

Paul Henderson, General Manager, Solid Waste Services

Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services

Nanette van Doorn, Strategy and Stakeholder Relations

Samantha Joy, Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services

PREPARATION OF MINUTES: Megan Krempel, Raincoast Ventures Ltd

AGENDA:

Solid Waste and Recycling Industry Advisory Committee Meeting

May 9, 2023

2:00 PM – 4:00 PM

Zoom

Agenda

1. Agenda
 - 1.1. May 9, 2023 Meeting Agenda
2. Minutes
 - 2.1. April 4, 2023 Meeting Minutes
3. Issues Arising from April 4, 2023 Meeting
 - 3.1 Point of Order
4. Reports
 - 4.1. Proposed Updates to the Industry Advisory Committee Terms of Reference – Blackline Version
 - 4.2. Recycling and Waste Facilities Insurance Coverage
5. Other Business
 - 5.1. Zero Waste Committee Updates
 - 5.2. IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop Planning
 - 5.3. 2023 IAC Action Tracker and Summarize Meeting Action Items
 - 5.4. 2023 IAC Member Biographies
6. Next Steps
7. Information Items
 - 7.1. Regional Waste Flows
 - 7.2. Industry Advisory Committee 2023 Work Plan
 - 7.3. Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

References:

- 1) IAC 2022 Committee Members List: <http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf>
- 2) IAC Terms of Reference: <http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf>

MEETING MINUTES

Co-Chair Craig Hodge called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee (IAC) meeting.

1. AGENDA

1.1 May 9, 2023 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions were put forward.

2. MINUTES

2.1 April 4, 2023 Meeting Minutes

A member raised concern that the April 4, 2023, IAC Meeting had not been appropriately concluded and had only been adjourned by the Co-Chair to consider the Point of Order raised in regard to the member's assertion at the meeting that seven IAC members Existing or Potential Conflict of Interest statements were inconsistent with the IAC Terms of Reference requirements. The member asserted the May 9, 2023 meeting was a continuation of the April 4, 2023 meeting and noted objection to proceeding with the May 9, 2023 meeting agenda. The member noted that he had sent detailed comments on the minutes to the Co-Chairs.

Co-Chair Hodge acknowledged the member's comments, advised that the April 4, 2023 Meeting had been concluded by the meeting Chair, and that the May 9, 2023 meeting would proceed as per the agenda.

3. ISSUES ARISING FROM APRIL 4, 2023 MEETING

3.1 POINT OF ORDER

In response to the Point of Order raised at the April 4, 2023 IAC meeting, Co-Chair Hodge noted that an email was sent on April 18, 2023, on behalf of the Co-Chairs, to IAC members advising of the Co-Chair's conclusion that the Terms of Reference should be updated to provide clearer guidance with respect to the information that members are expected to disclose. As communicated in the email, the Co-Chairs concluded that all of the individuals identified by one of the members as having inaccurate conflict statements could continue to participate as members of the IAC.

Co-Chair Hodge further noted that on May 3, 2023, staff sent an email to IAC members offering them the opportunity to update their IAC member Conflict of Interest statements for review by the Co-Chairs. All statements were reviewed and considered by the Co-Chairs, and the Co-Chairs concluded that no member's participation would preclude fair and objective deliberation of issues at the IAC meeting. Co-Chair Hodge noted that the statements have been published on the IAC website and any concerns with respect to member Conflict of Interest statements could be submitted by email to the Co-Chairs.

The member who raised the Point of Order stated that he had not been provided with a description of the investigation that had been completed by the Co-Chairs, with respect to their conclusions that all members could continue to participate in the IAC even though he had

requested to be provided with that information. The member requested that the Co-Chairs provide him with the details of any investigation. Co-Chair Hodge acknowledged the member's request and moved to the next agenda item.

4. REPORTS

4.1 Proposed Updates to the Industry Advisory Committee Terms of Reference – Blackline Version

Co-Chair Hodge referred to the proposed updates to the IAC Terms of Reference which had been provided with the meeting agenda, and noted the most significant changes were made to Section 5, regarding Conflict of Interest statements.

Co-Chair Hodge noted that the proposed additions to the Terms of Reference were included for the purpose of discussion and to receive input and additional suggested changes from IAC members. Metro Vancouver staff further noted that the updated Terms of Reference would be presented at the next IAC meeting for voting, and that some changes had not been highlighted in the blacklined version circulated to members and therefore a revised version inclusive of all blacklined edits would be sent.

During discussion on the IAC Terms of Reference, comments from members were offered regarding:

- Concerns expressed that the proposed changes did not properly address the Point of Order concerns raised at the April 4, 2023 meeting, and that the information that would be disclosed under the proposed updates would not be sufficient.
- That without a requirement that anyone with Conflict of Interest being prohibited from participating in discussions related to that issue, the Terms of Reference requirements to disclose had little benefit.

Paul Henderson clarified that:

- The Disclosure Statement would assist members with determining whether to self-declare a Conflict of Interest.
- If members were not in support of proposed changes to the Terms of Reference they could either vote against the proposed changes or propose amendments for consideration by the IAC.

The Co-Chair confirmed that written comments on the draft IAC Terms of Reference could be provided prior to the June 6, 2023, IAC meeting.

4.2 Recycling and Waste Facilities Insurance Coverage

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, reported that recycling processors were experiencing challenges obtaining insurance for their operations and facilities, and that rates being offered by insurers were significantly high. The issue would significantly impact both large and small operators and restrict the industry from operating on an efficient basis.

During discussion, IAC members shared of their experiences with the issue and several members agreed to connect offline and to share insurance broker contact information. Paul Henderson suggested that the inclusion of an inspection report on the facility through Metro Vancouver's licensing program for solid waste facilities could provide potentially support with a processor's insurance request.

5. OTHER BUSINESS

5.1 Zero Waste Committee Updates

Paul Henderson provided an update on the development of the agenda for the Zero Waste Committee meeting on May 23, 2023, which would include discussion on the Waste Composition Studies Report.

Paul noted that the Zero Waste Manager's Report would advise that on April 4, 2023, Metro Vancouver was notified by the Province that the Greater Vancouver Water District (GVWD) and the Greater Vancouver Sewerage and Drainage District (GVS&DD) had been added to the provincially regulated Bylaw Notice Enforcement Regulation, a mechanism for administrative penalties to be applied to ensure compliance with existing bylaws under up to \$500 /violation. Currently 19 of 21 member jurisdictions have this authority. Engagement will take place on the specific provisions related to setting violations and the level of penalties.

5.2 IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop Planning

Brooke Atkinson, Engagement Specialist, Metro Vancouver, noted the IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop would be held at the June 6, 2023, IAC meeting. After a show of hands by the majority of IAC members, there was consensus that the meeting be held in person from 1:00 – 4:00 p.m.

5.3 2023 IAC Action Tracker and Summarize Meeting Action Items

Brooke Atkinson reviewed the 2023 IAC Action Tracker and provided updates where applicable. It was noted that no additional Action Items had arisen during the May 9, 2023 meeting.

5.4 2023 IAC Member Biographies

Brooke Atkinson advised that all available IAC member biographies and photos have been posted online and members yet to submit their photos or biographies were encouraged to do so.

6. NEXT STEPS

Co-Chair Hodge noted details would be forthcoming on the in person IAC meeting on June 6, 2023, which would include the presentation of the updated IAC Terms of Reference, the nomination and election of the new IAC Co-Chair, and the IAC Solid Waste Management Plan Update Vision and Guiding Principles Workshop.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

7.3 Letter to Metro Vancouver Regarding Tracking and Reporting Diversion – Jamie Kaminski – March 8, 2023

In regard to Item 7.3, Jamie Kaminski informed the letter sought perspectives from IAC members on the potential to reclassify materials for burning/fuel as “disposal” and not “recycling” and to separate materials that are to be circulated in a continuum as opposed to burning, which is a final destination. The intention is to maintain the commitment that Metro Vancouver’s reporting is transparent, its labelling explicit and recycling is held at a high standard.

During discussion, an IAC member suggested that an additional recovery category could be added between the recycling and disposal. This could accommodate situations where all efforts were made to recycle a material, but that recycling was not possible, and an option such as fuel production was necessary.

8. ADJOURNMENT

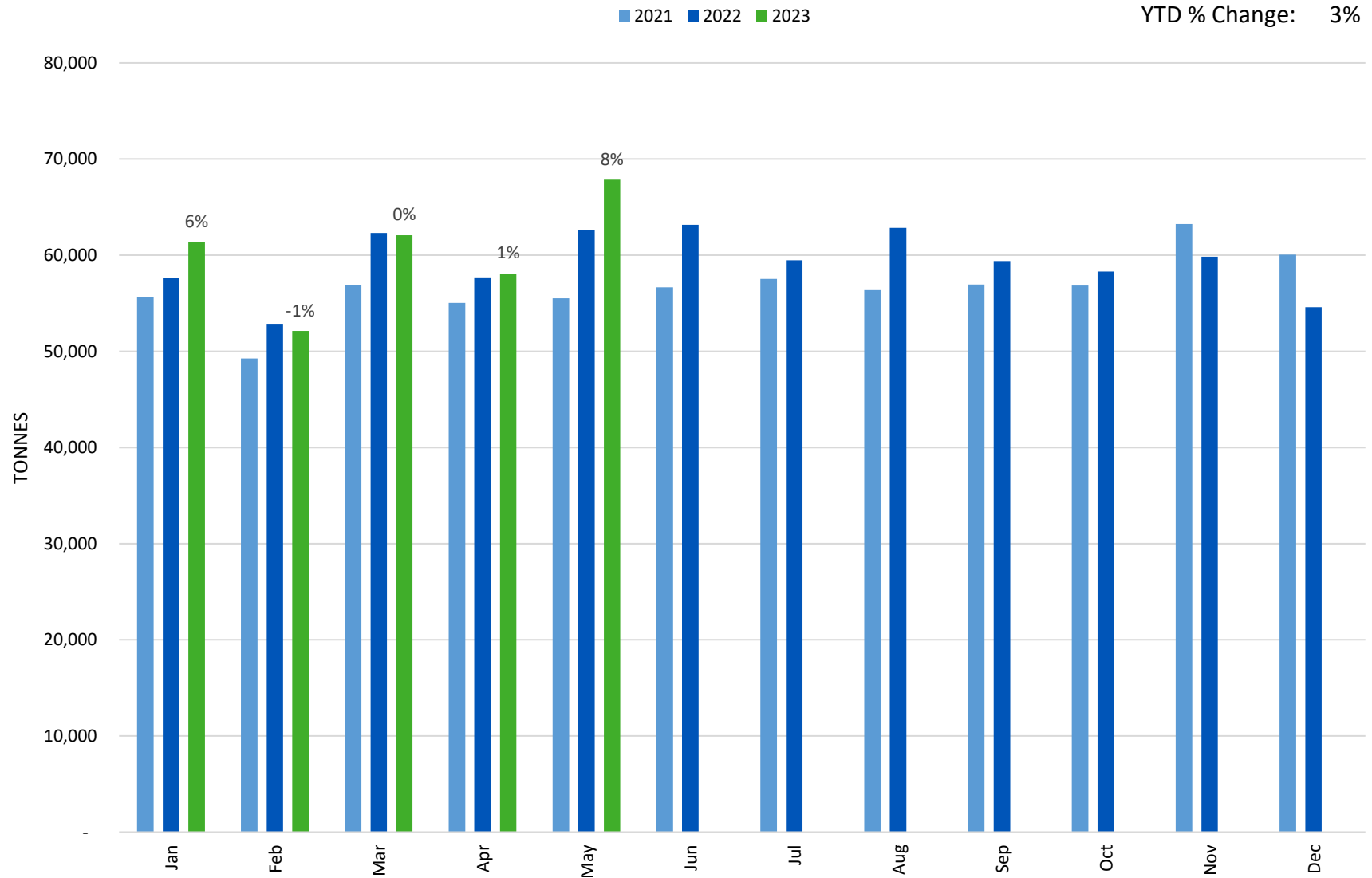
The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:08 p.m.

2023 SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE ACTION TRACKER

To be updated after every Solid Waste and Recycling Industry Advisory Committee (IAC) meeting to keep track of the actions or tasks that Metro Vancouver staff are responsible for.

Meeting Date	Requested Action/Item	Assigned Staff	Target / Completion Date	Status
February 10, 2023	<ul style="list-style-type: none"> Metro Vancouver to invite members of the National Zero Waste Council to present on how their work gets incorporated into each phase of the solid waste management plan update process 	Paul Henderson	Q3	In progress
	<ul style="list-style-type: none"> Jurisdictional Scan of Recycling Statistics and Methodologies - Metro Vancouver will report back on scope of work and findings of a review of existing and future performance metrics including opportunities to improve tracking progress toward waste reduction and recycling goals 	Terry Fulton	Q2	In Progress
May 9, 2023	Find out if the inclusion of an inspection report and/or Metro Vancouver licensing program for solid waste facilities could mitigate significantly high insurance premiums and challenges obtaining insurance coverage for operators and facilities.	Paul Henderson	Q2	In Progress

Metro Vancouver Waste Quantities* 2021 - 2023**



**Data reconciled to Apr 2023

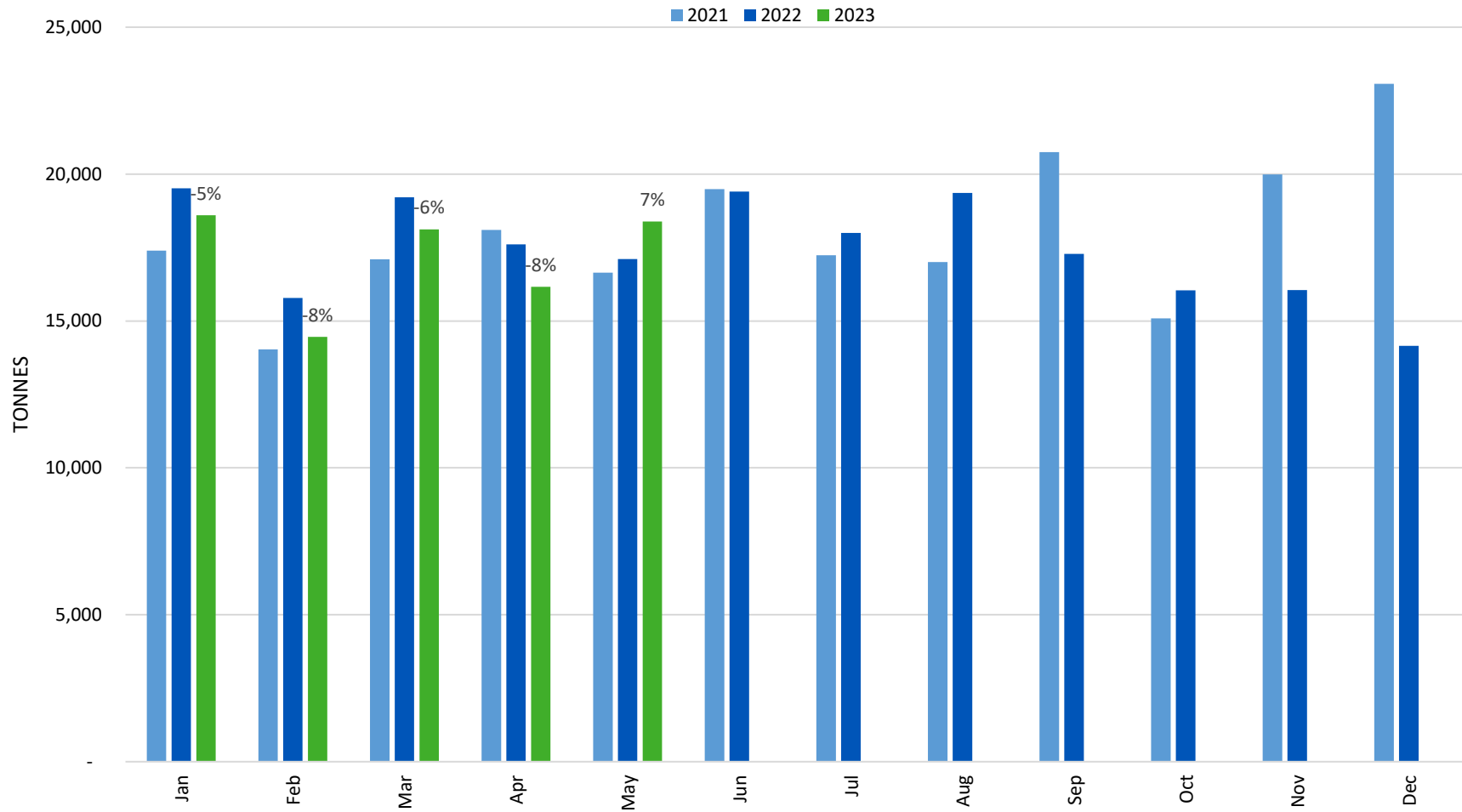
*Metro Vancouver's Recycling and Waste Centres & the Waste-to-Energy Facility

City of Vancouver Waste Quantities*

2021 - 2023

(Demo garbage not included)

YTD % Change: -4%



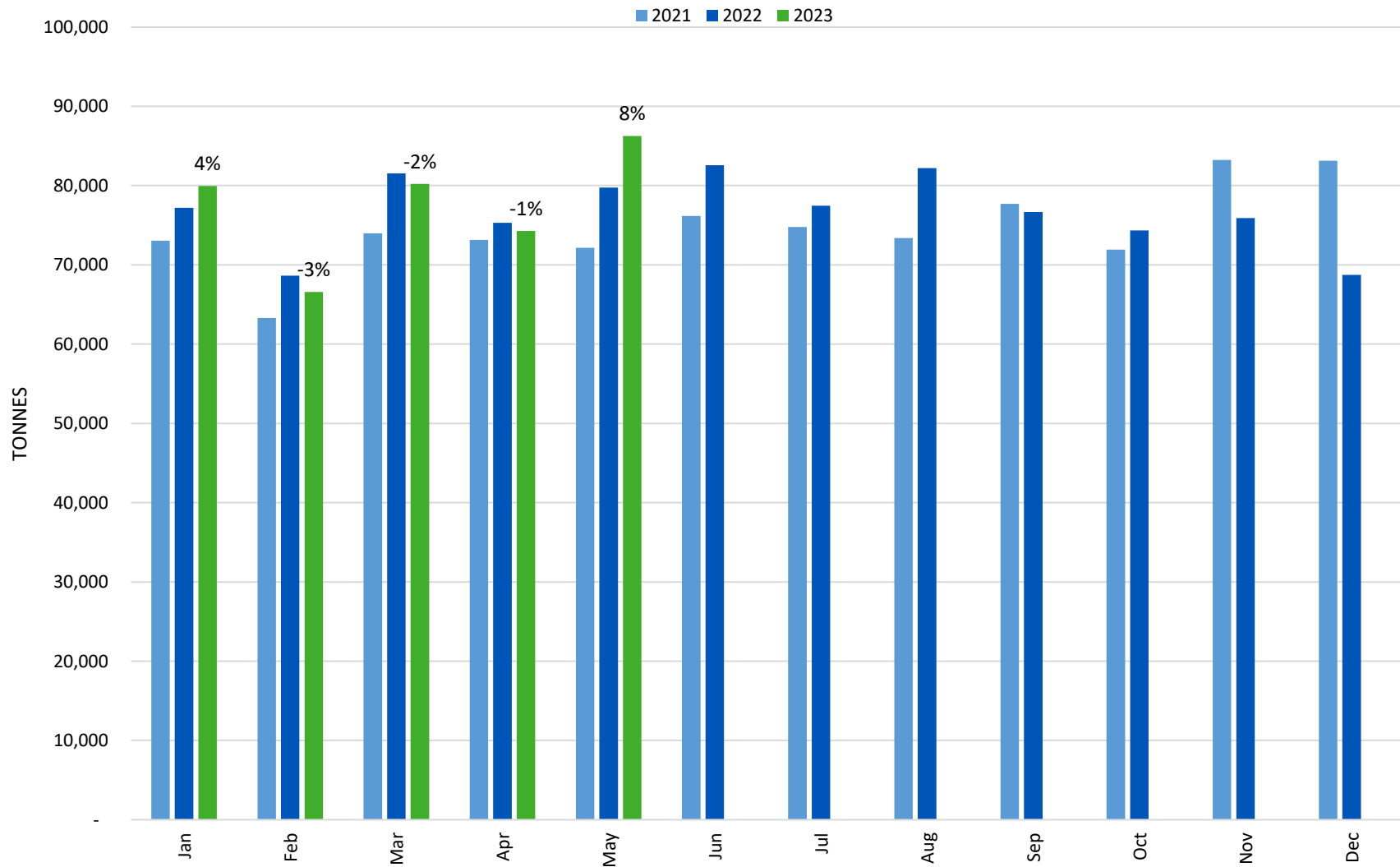
*Vancouver Landfill & Vancouver South Transfer Station

Metro Vancouver and City of Vancouver Waste Quantities

2021 - 2023*

(Demo garbage not included)

YTD % Change: 1%



*Metro Vancouver data reconciled to Apr 2023

Solid Waste and Recycling Industry Advisory Committee 2023 Draft Work Plan

Report Date: June 6, 2023

Priorities	
1st Quarter	Status
2021 Solid Waste and Recycling Annual Report	Complete
Jurisdictional Scan of Recycling Statistics and Methodologies	Complete
Regional Solid Waste System Assessment Study	Complete
Call for Submissions for 2023 IAC Membership	Complete
2nd Quarter	Status
Workshop 1: Solid Waste Management Plan Update Vision and Guiding Principles	In Progress
Zero Waste Committee/Public and Technical Advisory Committee Co-Chair Report out on Industry Advisory Committee Activities	Pending
IAC Co-Chair Election	In Progress
3rd Quarter	Status
Workshop 2: Topics to be determined	Pending
Disposal Ban Program Review report out	Pending
2022 Waste Composition Program Results	Pending
Roles of public and private sector in providing essential solid waste management services and advancing zero waste and the circular economy – potential workshop topic	Pending
National Zero Waste Council Presentation on Incorporating Input in the Solid Waste Management Plan Update	Pending
Solid Waste Residual Management Options Study Update	Pending
2022 Disposal Ban Program Update	Pending
4th Quarter	Status
Solid Waste Services Financial Plan/2024 Proposed Garbage Tipping Fees	Pending
Solid Waste Management Plan Update – Guiding Principles Report Back	Pending
Circular Economy/ 3Rs Study	Pending

Solid Waste Management Plan Update Backgrounder

March 2023

Prepared By:
Solid Waste Services

Orbit # 56896403

Purpose

The purpose of this backgrounder is provide readers with an understanding of Metro Vancouver's role in managing garbage and recycling in the region, including work underway to advance zero waste, to allow meaningful participation in engagement on the solid waste management plan update.

The current *Integrated Solid Waste and Resource Management Plan* was approved by the Province in 2011, and focuses on reducing waste, improving reuse and recycling, recovering resources from garbage and disposing of remaining garbage in an environmentally sustainable manner. Provincial guidelines recommend initiating a plan review on or before the 10-year anniversary of the current plan's approval. An updated solid waste management plan will build on the strengths of the current plan, and identify opportunities for accelerated waste reduction and recycling while reducing greenhouse gases and promoting a circular economy.

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

What is Solid Waste Management?

Solid waste management is the term used to describe how products, packaging, construction materials, food scraps, yard and garden trimmings, and other materials are managed when they're no longer needed. It includes the decisions we make when using garbage, recycling and green bins, and the services provided by companies, governments and non-profits to collect, transport and process these materials. It also includes actions we take to prevent or reduce the amount of solid waste we produce, at home, work, school and in our community, such as buying less, sharing, repairing, reusing and repurposing.

Metro Vancouver is recognized across North America as a leader in recycling, composting and reducing garbage. An impressive 65% of waste in Metro Vancouver is recycled and diverted because of its committed residents, innovative businesses, and regional and local authorities, recognizing that responsible management of waste is essential for a sustainable, healthy, and equitable region. Despite these successes, every year, close to 1.25 million tonnes of products, packaging and other materials are disposed of from Metro Vancouver residents and businesses. Metro Vancouver recognizes that the responsible management and disposal of waste is essential for a sustainable, healthy, and equitable region.

Solid waste management plans are policy documents which set out a vision, guiding principles and actions for the responsible management of materials that become solid waste. Metro Vancouver is in the process of updating its solid waste management plan.

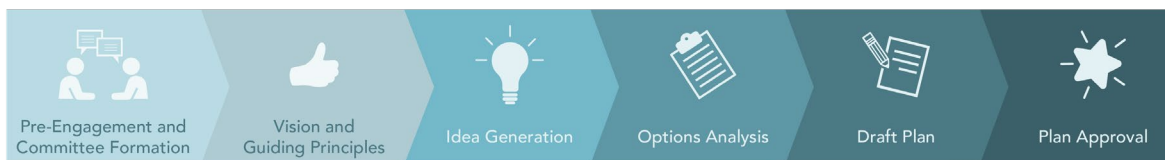
Why Update the Solid Waste Management Plan?

The region is guided by its commitment to environmental stewardship and cost-effective and accessible waste management services, including the goals within the [Integrated Solid Waste and Resource Management Plan](#), approved by the BC Minister of Environment and Climate Change Strategy in 2011. Metro Vancouver is updating this plan and is now seeking feedback to help shape how our region manages waste for the next decade.

Metro Vancouver's current solid waste management plan establishes goals and targets for waste reduction and the recovery of materials and energy from waste, and supporting strategies and actions for Metro Vancouver and its member jurisdictions.

Important themes for an updated plan will include reducing greenhouse gases and promoting a circular economy, which considers environmental, social, and economic factors.

The plan update process is expected to take two to three years and will be supported by robust Indigenous and public engagement. Metro Vancouver will engage audiences and gather feedback to support the plan update:



About Metro Vancouver

Metro Vancouver is a federation of 21 municipalities, one Electoral Area and one Treaty First Nation that collaboratively plans for and delivers regional-scale services in the greater Vancouver region of British Columbia. Core Metro Vancouver services include the provision of drinking water, wastewater treatment and solid waste management. Metro Vancouver also provides affordable housing, regulates air quality, plans for urban growth and manages a regional parks system.





Metro Vancouver services

Vision

Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.

Mission

- 1. Serve as a Regional Federation**
Serve as the main political forum for discussion of significant community issues at the regional level and facilitate the collaboration of members in delivering the services best provided at the regional level.
- 2. Deliver Core Services**
Provide regional utility services related to drinking water, liquid waste and solid waste. Metro Vancouver also provides other core regional services including parks and affordable housing, and acts as the local government for Electoral Area A.
- 3. Plan for the Region**
Carry out planning and regulatory responsibilities related to the three utility services as well as air quality and climate change, regional planning, regional parks, affordable housing, labour relations, regional economic prosperity, and regional emergency management.

About Solid Waste Services

Metro Vancouver is responsible for planning for less waste, improving reuse and recycling systems as well as managing and disposing of the remaining waste generated by residents and businesses in the region. This reflects the public's expectations of high environmental stewardship, as well as the desire to keep waste management affordable.

The Vancouver Transfer Station and the Vancouver Landfill are owned and operated by the City of Vancouver and function as part of the overall regional solid waste system.

Solid Waste Management

The existing solid waste management plan, approved by the Province in 2011, focuses on reducing waste, improving reuse and recycling, recovering resources from garbage and disposing of remaining garbage in an environmentally sustainable manner. Metro Vancouver continually collects and reviews data on municipal solid waste – waste generated by residents, commercial/institutional sources, and construction and demolition activity – to track progress towards waste reduction and recycling goals. Metro Vancouver is updating its current solid waste management plan, building on the strengths of the current plan and identifying opportunities to accelerate waste reduction and diversion while reducing greenhouse gases and promoting a circular economy. We are actively engaging with governments – including First Nations – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan.

Regional Solid Waste Facilities

Metro Vancouver operates six recycling and waste centres where residents and businesses drop off recyclable materials, yard trimmings and food waste, and garbage. After recycling, the remaining waste is disposed at the Metro Vancouver Waste-to-Energy Facility and the Vancouver Landfill, and any excess is disposed of at remote landfills.

Education and Outreach

Some of the waste that has to be managed can be prevented in the first place. Wise purchasing, repair and reuse of goods, and better access to recycling could lead to less waste going to disposal. Metro Vancouver works with local governments to develop educational materials and behavior change campaigns that encourage a change in our approach to generating waste.

Waste Reduction – Local and National

Our existing solid waste management plan includes a target of reducing the waste created per person by 10% compared to 2010. The 10% reduction in waste generation target has been achieved, but further reducing the amount of waste generated continues to be an important goal for the region. This means advocating for better product and packaging design as well as more selective purchasing by consumers and businesses. To bring about those changes we're engaging partners from across Canada through the National Zero Waste Council.

An Integrated Waste Management System

The solid waste management system in Metro Vancouver depends on the interconnected operations of many different organizations, including governments, the private sector, non-profit organizations and the public.



How do I fit in?

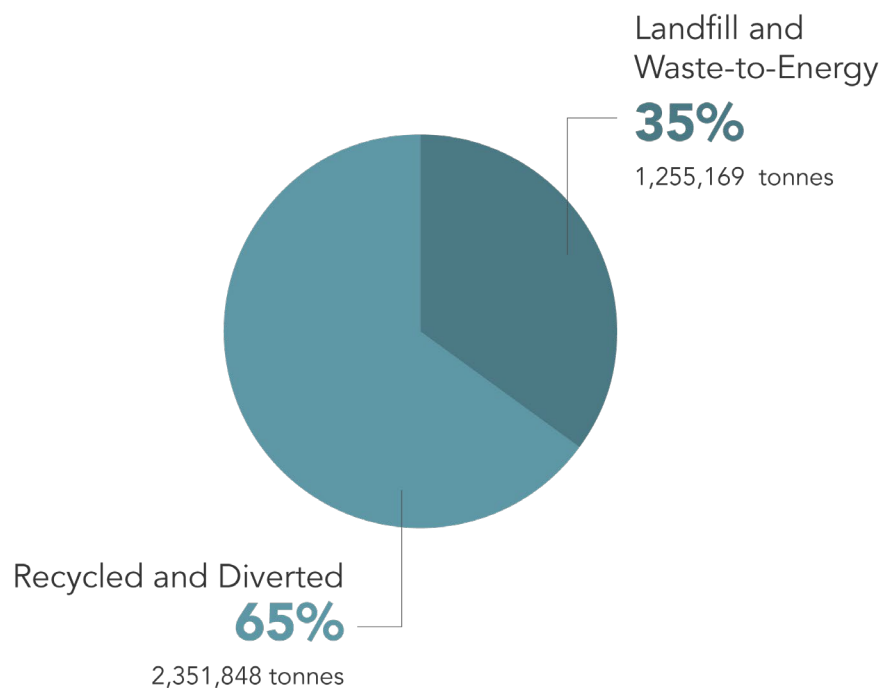
As individuals we can have a huge impact on how much waste is generated in the region. Our habits, such as shopping second hand, repairing and reusing, and putting our food scraps in the green bin have helped Metro Vancouver become a North American leader in waste reduction and recycling. At home, at work, and everywhere we go in between, the choices we make have a big impact on recycling and waste disposal in the region. We can use our voices to advocate for less wasteful practices and increased access to recycling services. Thanks to dedicated Metro Vancouver residents, grassroots movements such as saying no to single-use items have led to policy changes and less waste. Keep up the great work!

How We Are Doing Today

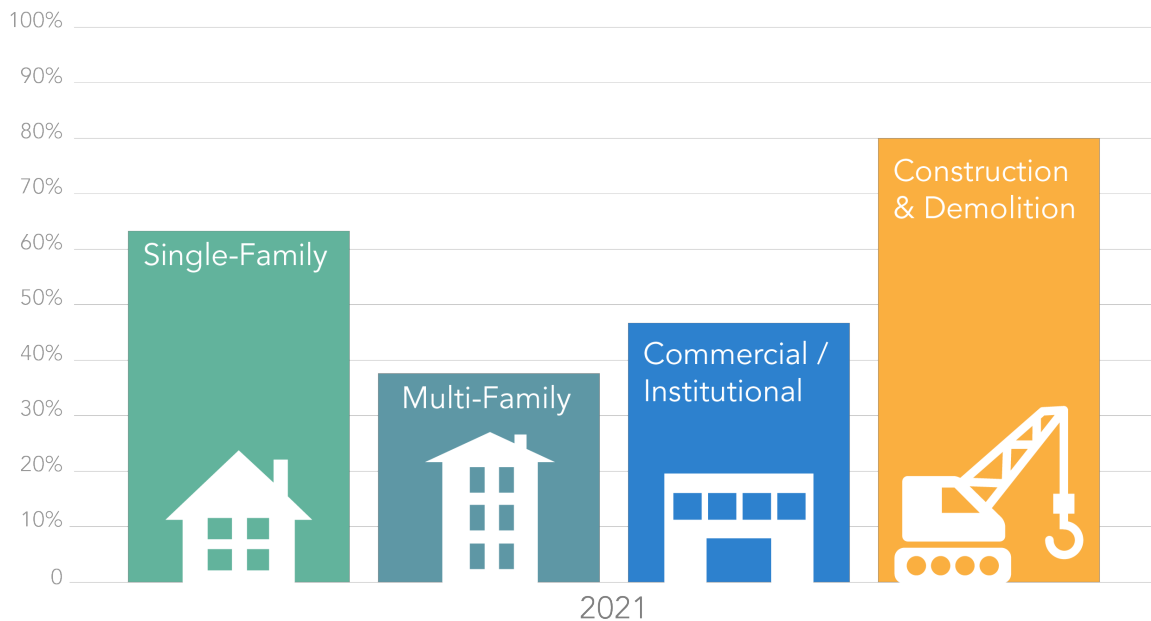
Recycling Rates

Metro Vancouver is a North American leader in waste reduction and recycling because of the committed local residents and businesses who work hard to recycle, policies supporting waste diversion, and a network of publicly and privately operated facilities to maximize recycling opportunities.

Based on 2021 data, 65% of the waste generated in the Metro Vancouver region is recycled (compared to a Canadian average of 26.5%) and the amount of waste generated has decreased by 11% per person since 2010. Even so, Metro Vancouver residents and businesses dispose of close to 1.25 million tonnes of garbage every year, an indication there is much work to be done. Metro Vancouver's annual solid waste and recycling report provides baseline information and data about how garbage and recycling is managed in Metro Vancouver. [View the 2021 report here.](#)



Regional Recycling Rates by Sector



What We've Accomplished Together

A lot has changed over a decade. Together in Metro Vancouver, we've made great strides toward zero waste and are recognized as North American leaders in waste reduction and recycling. Here are some examples of accomplishments in the past decade, thanks to our dedicated residents, businesses, actions by non-profits and governments, progressive waste management policies, programs and regulatory framework:



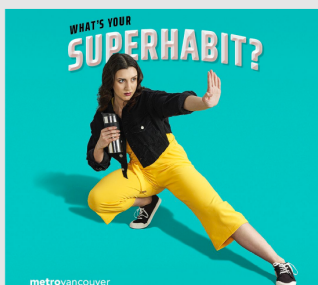
The National Zero Waste Council, an initiative of Metro Vancouver formed in 2013, is leading Canada's transition to a circular economy by bringing together governments, businesses and NGOs to advance a waste prevention agenda that maximizes economic opportunities for the benefit of all Canadians. The Council acts collaboratively with business, government, and the community, at the national and international level, as an agent of change for waste prevention and reduction in the design, production and use of goods. The council's many initiatives and collaborations have been instrumental in opening a national dialogue on waste reduction, which has impacted not only our region, but the entire nation.



In 2014, Multi-Material BC (now Recycle BC) took over the management of residential packaging and printed paper in the province, which represents the bulk of material that residents recycle. As a result, a consistent province-wide recycling system for these materials is now in place, making it easier to collect, process, and make new products from these materials.



In 2015, food scraps were added to Metro Vancouver's already extensive list of items banned from disposal. This policy supported the organics processing industry in the region to transform food scraps and yard trimmings into compost or energy. This helped pave the way for municipalities to collect food scraps at the curb, and to switch to garbage collection every two weeks, thus effectively reducing the amount of garbage from single-family homes.



Metro Vancouver's many behavior change campaigns have helped educate residents on many zero waste initiatives, including tips for using the green bin ("Food Scraps Aren't Garbage" campaign), how simple habits can help reduce single-use items ("What's Your Superhabit" campaign), ways to make clothing last longer to reduce textile waste ("Think Thrice About Your Clothes" campaign), how to have a less wasteful holiday season ("Create Memories, Not Garbage" campaign) and many more.



Recycling services continued to expand at Metro Vancouver solid waste facilities, and the new United Boulevard and Central Surrey recycling and waste centres feature extended and convenient recycling opportunities for residents and businesses.

Where We Are Headed

Building off the progress of initiatives such as the organics disposal ban, Metro Vancouver strives to continually increase recycling and re-use opportunities in the region. Recent progress on waste reduction, re-use and repair initiatives, as well as investigation into renewable energy opportunities, indicate Metro Vancouver's response to industry trends and efforts to reduce greenhouse gas emissions through effective waste management.

- **Waste Prevention Collaborations:**
 - **FoodMesh:** Metro Vancouver contracted FoodMesh to develop a regional food recovery network to help rescue and redistribute surplus food, moving food up the waste hierarchy to feed animals and people.
 - **Urban Repurpose:** Metro Vancouver implemented 'ReUse Days' at recycling and waste centres working with Urban Repurpose, collecting items from customers that can be reused instead of recycled or disposed.
 - **Ocean Ambassadors:** Metro Vancouver is working with Ocean Ambassadors to expand their successful reusable container program on the North Shore, with the intention to encourage similar programs throughout the region.
- **Renewable Energy:**
 - Metro Vancouver is developing a district energy system to provide energy for heat and hot water to developments in Vancouver, Burnaby and potentially New Westminster. The project will provide heat and hot water for up to 30,000 homes and reduce greenhouse gas emissions by up to 45,000 tonnes per year.
 - Small load waste, consisting of materials brought to Metro Vancouver facilities by residents and contractors in hand-unloaded vehicles, has been identified as another target for future renewable energy initiatives, with the potential to reduce disposal by up to 120,000 tonnes per year through the recovery of recyclables and alternative fuel.
- **Greenhouse Gas Reduction:**
 - Metro Vancouver is exploring carbon capture and utilization opportunities to reduce emissions from regional solid waste facilities. Metro Vancouver will revisit opportunities to incorporate new technologies to minimize our carbon footprint

Your Opinion Counts

Metro Vancouver is committed to engaging audiences and governments who may be impacted by or have an interest in the review and update of the solid waste management plan, with additional emphasis on engaging underrepresented and equity-denied communities by reducing barriers to participation.

Pre-engagement was initiated in 2021 to find out how audiences wanted to be engaged in the process to update the regional solid waste management plan. Metro Vancouver established an Independent Consultation and Engagement Panel, consisting of third party engagement experts to guide the development and implementation of a robust and inclusive engagement process.

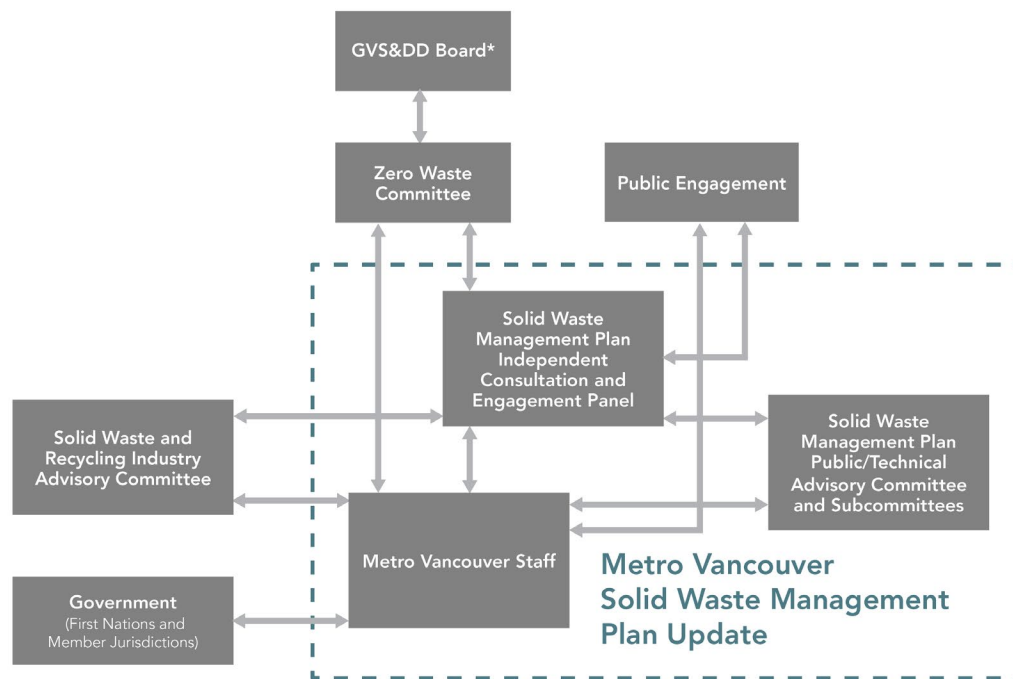
Audiences will be asked to provide feedback during all phases of engagement. Key examples include:

- **Government and regulatory agencies, including Indigenous Peoples**, provincial and federal governments, member jurisdictions, adjacent regional districts, crown corporations, airport and port authorities, and health authorities
- **Waste and recycling industry**, including haulers, processors, producer responsibility organizations, disposal facilities, waste/recycling industry associations, binner community, and reuse/repair organizations
- **Waste producers**, including various sectors such as food service, grocery, construction, tourism, office and property management, real estate, retail, residents, and educational institutions
- **Industry and business associations**, professional associations and academic institutions
- **Community, environmental and non-profit groups**, NGOs, youth and students, and urban Indigenous Peoples
- **Metro Vancouver residents**

In 2022, Metro Vancouver convened two advisory committees that will be heavily involved in providing feedback on the plan update throughout the phases of engagement:

- **Public/Technical Advisory Committee** – members represent a diversity of sectors and interests, who bring various personal qualities, perspectives and experiences to solid waste and recycling issues. [Learn more.](#)
- **Solid Waste and Recycling Industry Advisory Committee** – members represent private waste and recycling collection and processing companies, and their industry associations. [Learn more.](#)

Feedback from these two advisory committees along with input from member staff advisory committees, public engagement efforts, and the Indigenous engagement process, will help shape the updated solid waste management plan over the next 2-3 years.



* Updated solid waste management plan to be approved by Minister of Environment and Climate Change Strategy

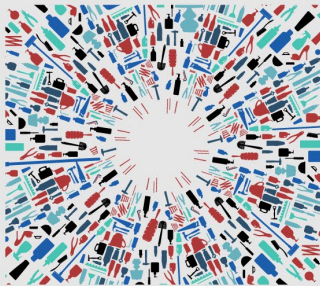
Technical Studies and Planning

Metro Vancouver is also undertaking technical studies that will support engagement on the solid waste management plan update. The studies inspire idea generation and guide the analysis of options to accelerate waste reduction and diversion while reducing greenhouse gases and promoting a circular economy.

The studies will provide information on:

- how various future scenarios could affect the Metro Vancouver solid waste system
- current challenges and opportunities
- global best practices, and new research and technologies
- financial, social and environmental impacts of various future options/scenarios, and
- performance metrics.

Information from the technical studies will be shared as background information during engagement to help participants discuss ideas, compare options and support actions that could be included in the updated plan.



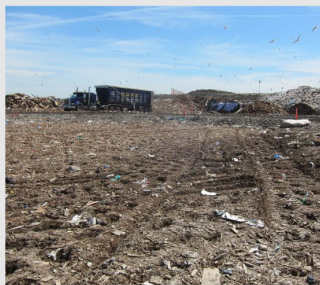
Circular Economy and 3Rs Study

This study introduces the circular economy and highlights opportunities for our region through local and global examples with the potential to reduce waste and address climate change, equity, community cohesion, regional prosperity, ecological health, and air quality.



Solid Waste System Assessment Study

The study assesses the current regional solid waste system by profiling existing programs and facilities, highlighting best practices, and modeling different facility scenarios to forecast future demands and improvements.



Residual Disposal Management Options Review

This study will review options to manage garbage and investigate innovative approaches to managing residual materials.



Solid Waste Management Plan Literature Review

This study will review solid waste management plans from other leading jurisdictions globally and summarize leading initiatives and best management practices.



Solid waste management plan update – planning inputs

Next Steps

Metro Vancouver looks forward to collaborating with you in the coming years to develop and implement a solid waste management plan that reflects your values, priorities and interests. This can be achieved through rigorous technical research and a robust engagement process involving governments – including First Nations – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents.

At each phase of engagement on the solid waste management plan, an accompanying Discussion Guide will present themes and issues for consideration, and provide prompting questions for discussion, reflection and feedback. Information and resources related to the current phase of engagement can be found on the [Metro Vancouver website](https://metrovancover.org) (visit metrovancover.org and search 'solid waste management plan engagement').

We hope that through this process we can accelerate waste reduction and diversion, reduce greenhouse gases, promote a circular economy, and build new goals to advance towards. **Together we make our region strong.**

Metro Vancouver Solid Waste Management Plan Update

Vision and Guiding Principles

DISCUSSION GUIDE

March 2023

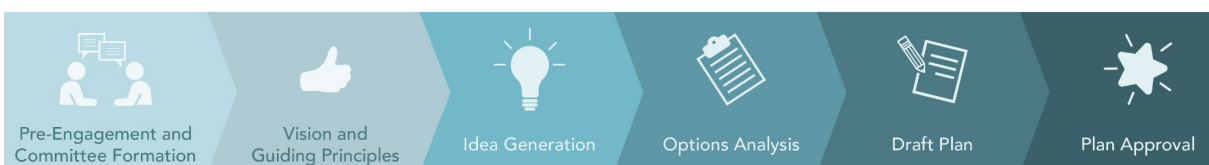
**Prepared By:
Solid Waste Services**

1.0 INTRODUCTION

Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan, and identifying opportunities for accelerated waste reduction and diversion, while reducing greenhouse gases and promoting a circular economy, where products are kept at their highest value. The plan update process will be supported by robust Indigenous and public engagement.

In 2021, Metro Vancouver conducted pre-engagement to learn how audiences would like to engage with Metro Vancouver on the solid waste management plan update. An Engagement Plan was developed, incorporating feedback received from 350 individuals through a questionnaire, written responses, meetings, and presentations, and considering input from a panel of engagement experts. In 2022, Metro Vancouver convened two key advisory committees – the Solid Waste Industry Advisory Committee and the Solid Waste Management Plan Public/Technical Advisory Committee – to provide ongoing advice and support.

This discussion guide focuses on the **vision and guiding principles** for the updated solid waste management plan, which will set the overall plan direction before the next phase, Idea Generation.



This document describes what a vision statement and guiding principles could entail, draws inspiration from existing vision statements and guiding principles from Metro Vancouver, the provincial government, and leading jurisdictions around the world, and seeks feedback through discussion questions.

Vision

A succinct narrative that describes the desired future

"Where are we headed?"

"What do we want the future to look like?"

Guiding Principles

A list of values that guides decision-making and determine how the work is approached

"What do we need to consider as we develop the plan?"

"What should all strategies and actions take into account?"

2.0 ENGAGEMENT ON VISION AND GUIDING PRINCIPLES

The vision and guiding principles will set the plan foundation and direction, and reflect fundamental values that guide plan development and implementation.

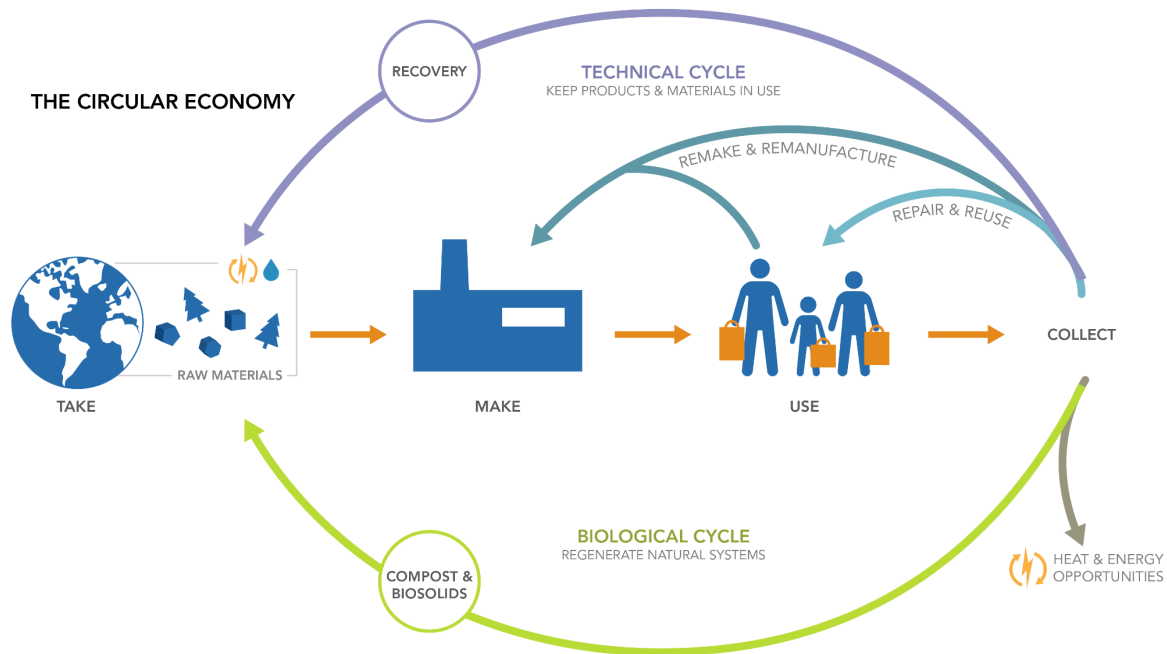
Metro Vancouver is actively engaging with governments – including First Nations and member jurisdictions – government agencies, waste and recycling industry, waste producers, businesses, communities of interest, and Metro Vancouver residents to guide updates to the plan. Engagement feedback will be used to help develop the vision and guiding principles for the updated plan, setting the direction and building the foundation as we enter into the next phase of engagement: Idea Generation.

3.0 SOLID WASTE MANAGEMENT IN METRO VANCOUVER

Metro Vancouver is a North American leader in waste reduction and recycling. Metro Vancouver's solid waste facilities, programs, and policies are known throughout the industry and our 65% recycling rate is among the highest in North America. So where do we go next?

Metro Vancouver's vision and guiding principles for managing solid waste should take into account the vision and principles of the region as a whole, as well as those of the province and of leading jurisdictions around the world. The BC Ministry of Environment and Climate Change Strategy's *A Guide to Solid Waste Management Planning* provides eight provincial principles for solid waste management. Additional guiding principles for the Metro Vancouver solid waste management plan will be developed through this phase of the plan update process.

In addition to waste reduction and diversion, important themes for the updated plan will include reducing greenhouse gases and promoting a circular economy, which considers environmental, social, and economic factors. A circular economy framework is critical to reducing waste and greenhouse gas emissions. A circular economy framework also aligns with the provincial waste management 5Rs hierarchy. In a circular economy the value of products is retained after their initial use through rethink, reduce, reuse, repair, and remanufacture. Keeping products functioning at their highest potential reduces embodied emissions and reduces emissions associated with waste management. Transitioning to a circular economy will gradually decouple economic activity from the consumption of finite resources by designing waste out of the system and helping to regenerate natural systems.



4.0 WHAT IS A VISION STATEMENT?

A vision statement answers the questions “Where are we headed?” and “What do we want the future to look like?” It is a short statement that describes the desired future in relation to the scope of the plan, or a shared understanding of the desired future state or success.

A vision looks to the future and must consider the future context, including but not limited to solid waste management. Themes might include regional growth, affordability, climate change, reconciliation, equity, stewardship, innovation, and resilience, and account for changes that should be expected in the coming years.

5.0 WHAT ARE GUIDING PRINCIPLES?

Guiding Principles outline the values that guide decision making and determine how the work is approached. Guiding principles describe the fundamental values that guide plan development and implementation and can be used to help evaluate goals, strategies, and/or actions.

The Metro Vancouver Board’s cross-cutting themes include principles of regional growth, regulation and legislation, affordability, reconciliation and equity, climate action/resilience, and system stewardship. Guiding principles can also be adapted into short phrases rather than individual words, such as “Provide for ongoing prosperity” (Integrated Solid Waste and Resource Management Plan) or “Promote zero waste approaches and support a circular economy” (BC Ministry of Environment and Climate Change Strategy).

6.0 EXISTING SOLID WASTE MANAGEMENT PLAN

The Integrated Solid Waste and Resource Management Plan, approved by the Province in 2011, sets out Metro Vancouver’s existing waste management and recycling goals and targets. An updated plan will build upon the successes of the current plan, adapting it for the challenges we face today and utilizing the most up-to-date solutions.

6.1. Vision statement: current solid waste management plan

The following is an excerpt from the 2011 approved *Integrated Solid Waste and Resource Management Plan’s* Vision Statement, which adopted the regional vision at the time:

“Metro Vancouver has a vision to achieve what humanity aspires to on a global basis – the highest quality of life embracing cultural vitality, economic prosperity, social justice and compassion, all nurtured by a beautiful and healthy natural environment”

“Building a sustainable, livable region is the overarching regional vision.”

6.2. Guiding principles: current solid waste management plan

The *Integrated Solid Waste and Resource Management Plan* follows the sustainability principles set out in Metro Vancouver’s Sustainability Framework, the principles of Integrated Resource Recovery and the 5R hierarchy of resource management (reduce, reuse, recycle, recover energy or materials, and dispose of residuals).

- Sustainability
 - Having regard for both local and global consequences, and long-term impacts
 - Recognizing and reflecting the interconnectedness and interdependence of systems
 - Being collaborative
 - Protecting and enhancing the natural environment
 - Providing for ongoing prosperity
 - Building community capacity and social cohesion
- Integrated Resource Recovery
 - Enabling the ‘wastes’ from one system to become ‘resources’ for another
- Resource Management Principles: The 5Rs
 - Reducing waste at source
 - Reusing where possible
 - Recycling products at the end of their useful life
 - Recovering energy or materials from the waste stream
 - Managing Residuals in an environmentally sound manner

- Public Health Principles
 - Investing in upstream preventative solutions as opposed to downstream problem management
 - Fairness and equity
 - Transparency
- Process and Consultation
 - Consulting and cooperating with municipalities, senior government, First Nations, health authorities, the business community, and the public
- Aligning with Provincial Initiatives
 - Ensuring environmental and fiscal objectives are mutually supportive and successful
- Aligning with Federal Initiatives
 - Supporting principles of and including actions to accelerate Extended Producer Responsibility (EPR), aligning with the Canadian Council of Ministers of the Environment (CCME) waste management approach

7.0 OTHER METRO VANCOUVER MANAGEMENT PLANS AND OTHER LEADING JURISDICTIONS

Below are examples of vision statements and guiding principles found in other Metro Vancouver plans.

Plan	Vision Statement	Guiding Principles
Integrated Liquid Waste and Resource Management Plan (update ongoing)	<i>Healthy Waters: For All. Forever.</i>	<ol style="list-style-type: none"> 1. Innovate, strive for value and cost effectiveness, be resilient and adaptive to climate change 2. Collaborate closely with a range of organizations to achieve outcomes that are beneficial for all, share data on how we are doing openly and transparently, and align with other initiatives taking place in the region 3. Integrate equity throughout, including fairness and justice, to address any barriers that may keep people from accessing wastewater services 4. Minimize greenhouse gas emissions and contributions of pollutants to the environment, including the ocean and our local rivers and streams

Clean Air Plan	<i>Metro Vancouver is a carbon neutral region where residents experience healthy, clean and clear air.</i>	<ol style="list-style-type: none"> 1. Ambitious 2. Evidence-based 3. Equitable 4. Inclusive & Collaborative 5. Preventative 6. Continuous Improvement 7. Prioritize Co-benefits (improve air quality and reduce greenhouse gas emissions) 8. Dynamic 9. Transparent 10. Comprehensive & Integrated
Metro Vancouver Board Strategic Plan *	<i>Metro Vancouver embraces collaboration and innovation in providing sustainable regional services that contribute to a livable and resilient region and a healthy natural environment for current and future generations.</i>	<p>Metro Vancouver Board Strategic Plan</p> <p>Cross-Cutting Themes:</p> <ol style="list-style-type: none"> 1. Regional Growth 2. Regulation & Legislation 3. Affordability 4. Reconciliation & Equity 5. Climate Action/Resilience 6. System Stewardship

*To be updated in 2023

A literature review of vision statements and guiding principles in solid waste management plans from other leading jurisdictions revealed several common themes:

- Social, environmental and economic sustainability
- Waste reduction
- Waste management hierarchy
- Recovery and reuse
- Collaboration at all levels
- Social justice, equity and accessibility

8.0 PROVINCIAL GUIDING PRINCIPLES

Under the *BC Environmental Management Act*, regional districts are required to develop a solid waste management plan for approval by the Minister of Environment and Climate Change Strategy. The BC Ministry of Environment and Climate Change Strategy's *A Guide to Solid Waste Management Planning* provides eight provincial principles for solid waste management. Engagement will help to inform additional guiding principles, with a focus on areas that are specific to our local region.

The provincial guiding principles are as follows:

1. Promote zero waste approaches and support a circular economy
2. Promote the first 3Rs (Reduce, Reuse and Recycle)
3. Maximize beneficial use of waste materials and manage residuals appropriately
4. Support polluter and user-pay approaches and manage incentives to maximize behaviour outcomes
5. Prevent organics and recyclables from going into the garbage wherever practical
6. Collaborate with other regional districts wherever practical
7. Develop collaborative partnerships with interested parties to achieve regional targets set in plans
8. Level the playing field within regions for private and public solid waste management facilities

9.0 DISCUSSION QUESTIONS

Metro Vancouver is engaging audiences on the creation of **vision and guiding principles** for the updated solid waste management plan, which will set the overall plan direction. A vision describes what we want the future to look like, while guiding principles describe the fundamental values behind the updated plan. To help develop a vision and guiding principles that are reflective of the goals and values of Metro Vancouver residents, the questions below prompt discussion to help us understand what matters to you, and what your hopes are for the future.

Q1 What waste reduction, recycling and garbage disposal topics are most important to you, now and into the future?

Q2 List words or phrases that describe what matters to you, when you decide what to do with products, packaging and materials you no longer need.

Q3 The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?


Q4 Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

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Welcome

Ironworkers Memorial Bridge



An aerial photograph of Vancouver, British Columbia, Canada. The image shows the city's skyline with numerous high-rise buildings, the harbor with several large red container cranes, and the surrounding mountains under a clear blue sky with some clouds. The city is densely packed with residential and commercial buildings, and the harbor is filled with ships and boats.

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SWMP Workshop

Metro Vancouver

AGENDA

Vision and guiding principles presentation

Solid Waste Story Video

Solid waste background and initiatives presentation

Small group discussion

Large group discussion

Summary and closing remarks

This event will be photographed

Your image may be used for the purpose of future use in Metro Vancouver publications, presentations, or social media. If you do not consent to have your image used for these purposes, please notify staff.



Circular economy

Solid Waste Management Plan Update

VISION AND GUIDING PRINCIPLES

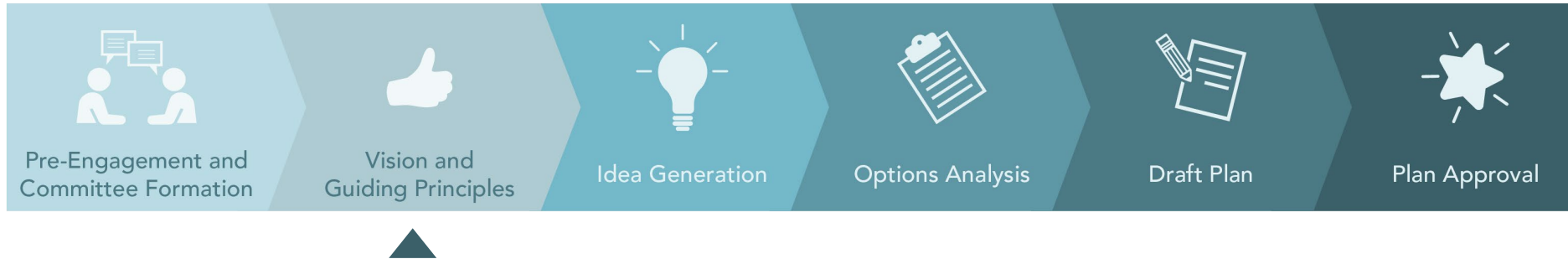
Stephanie Liu

Senior Engagement Specialist, Solid Waste Services

June 6, 2023

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SOLID WASTE MANAGEMENT PLAN UPDATE



VISION AND GUIDING PRINCIPLES ENGAGEMENT

Timeline



DISCUSSION QUESTIONS

Q1: What waste reduction, recycling and garbage disposal topics are most important, now and into the future?



Q3: The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?



Q2: List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.



Q4: Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

ENGAGEMENT FEEDBACK

**First
Nations**

**Member
Jurisdictions**

**Waste/Recycling
Industry**

**Businesses and
Institutions**

Residents

Non-Profits



Engagement will help guide updates to the solid waste management plan

WHAT IS A VISION STATEMENT?



“Where are we headed?”

“What do we want the future to look like?”

Describes the desired future in relation to the scope of the plan, or a shared understanding of the desired future state or success

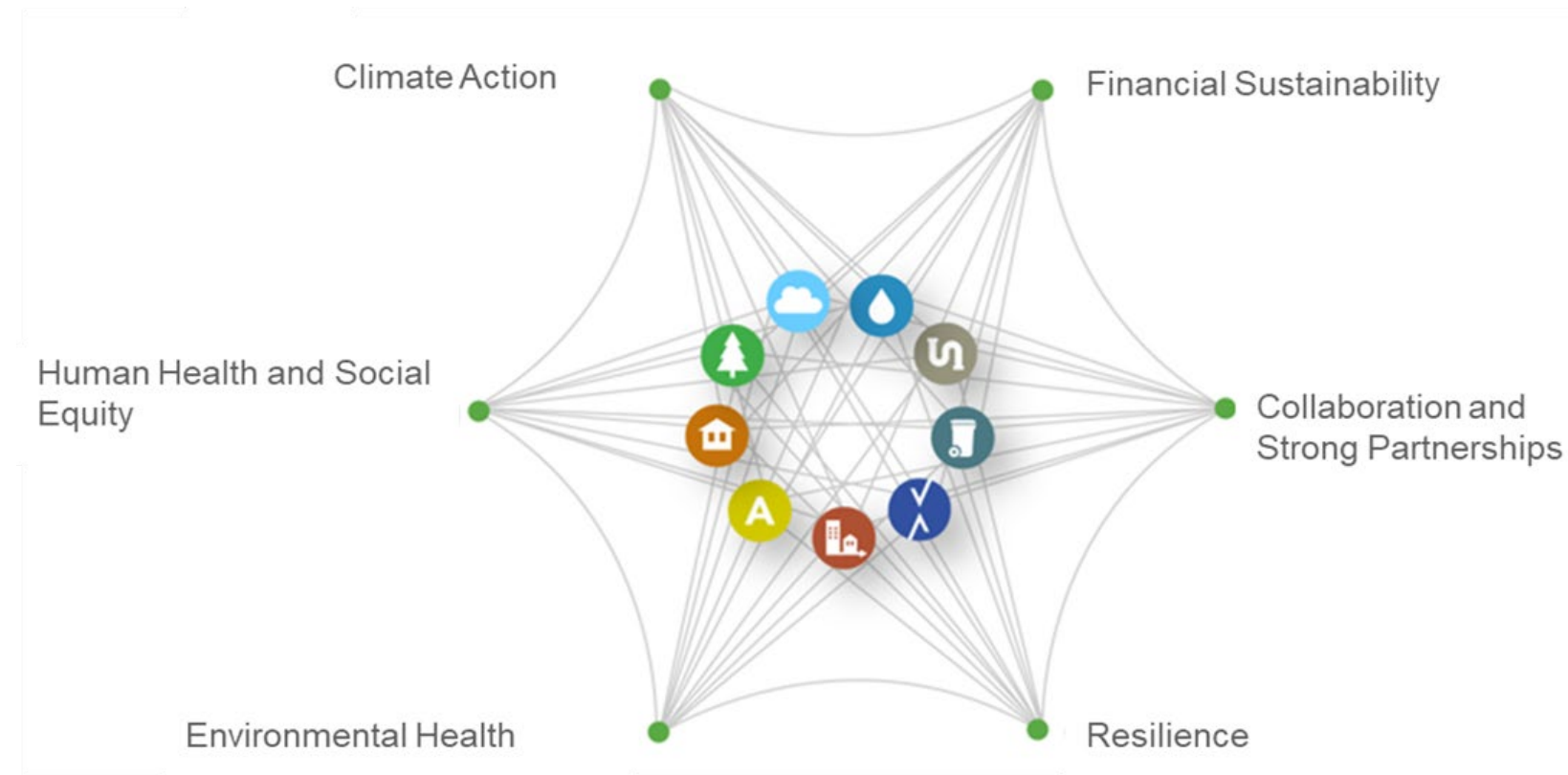
WHAT ARE GUIDING PRINCIPLES?

Outlines the values that guide decision-making and determine how the work is approached.

Describes the fundamental values that guide plan development and implementation and can be used to help evaluate goals, strategies, and/or actions.

“What do we need to consider as we develop the plan?”

METRO VANCOUVER CROSS CUTTING THEMES



THEMES FROM OTHER LEADING JURISDICTIONS



Social, Environmental
and Economic
Sustainability

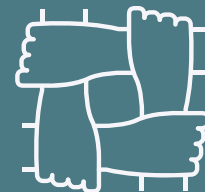


Recovery and
Reuse

Waste Reduction



Collaboration at all
Levels



Waste Management
Hierarchy



Social Justice,
Equity and
Accessibility



Vancouver Skyline



Questions?

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Video

Ironworkers Memorial Bridge





United Boulevard Recycling and Waste Centre

Solid Waste Background and Initiatives

OVERVIEW

Paul Henderson, P.Eng
General Manager, Solid Waste Services

June 6, 2023

metrovancover

TOGETHER
WE MAKE OUR REGION
STRONG

metrovancouver

23 Member Jurisdictions

2.8 Million Residents

53% of BC population



METRO VANCOUVER SERVICES

Metro Vancouver plans for and delivers regional public and utility services.

It is a regional federation of 21 municipalities, Tsawwassen First Nation, and Electoral Area A.



Water



Liquid Waste



Solid Waste



Regional
Planning



Air Quality



Regional
Parks

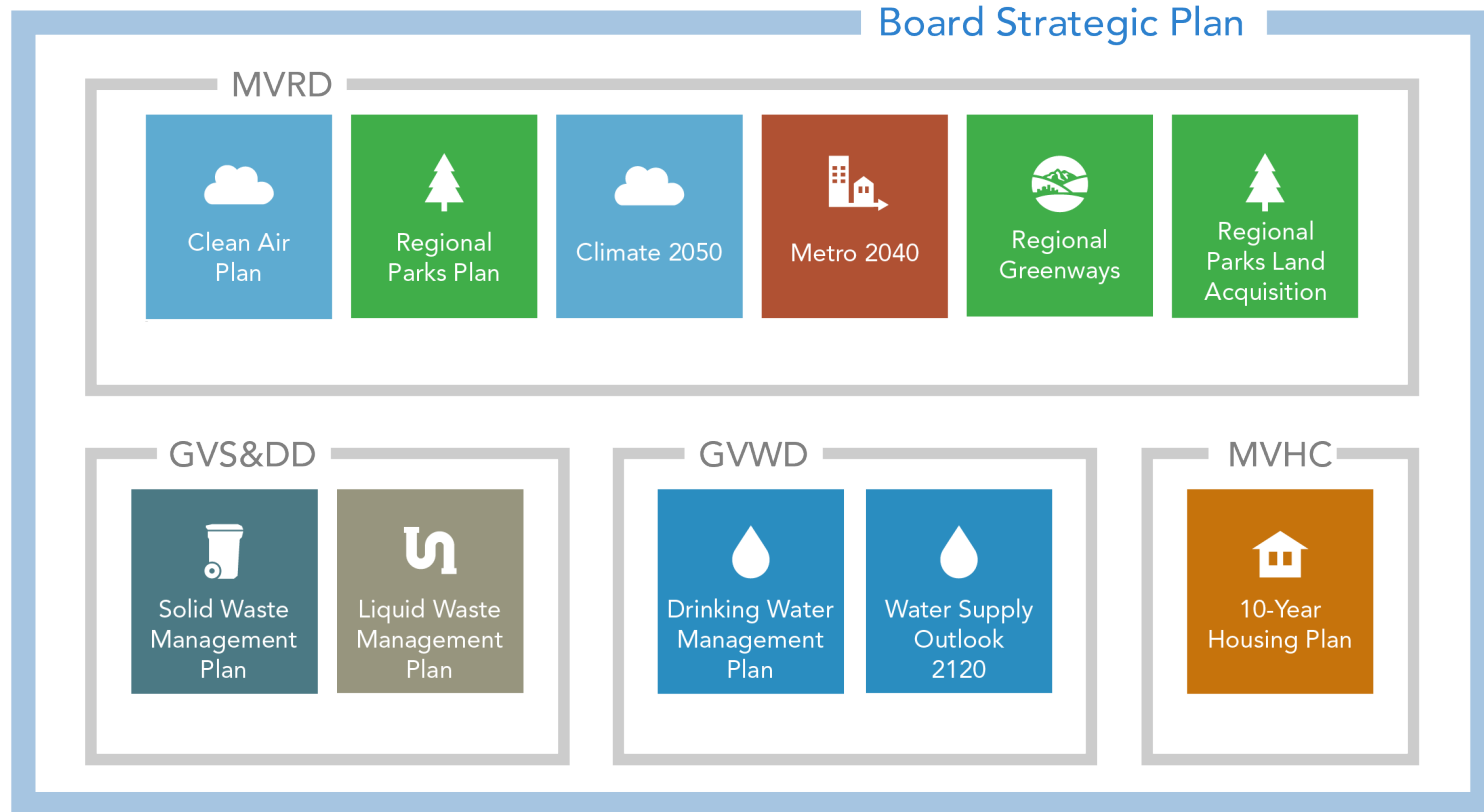


Housing



Invest
Vancouver

MANAGEMENT PLANS



GUIDING POLICY & TARGETS

2011 Solid Waste Management Plan



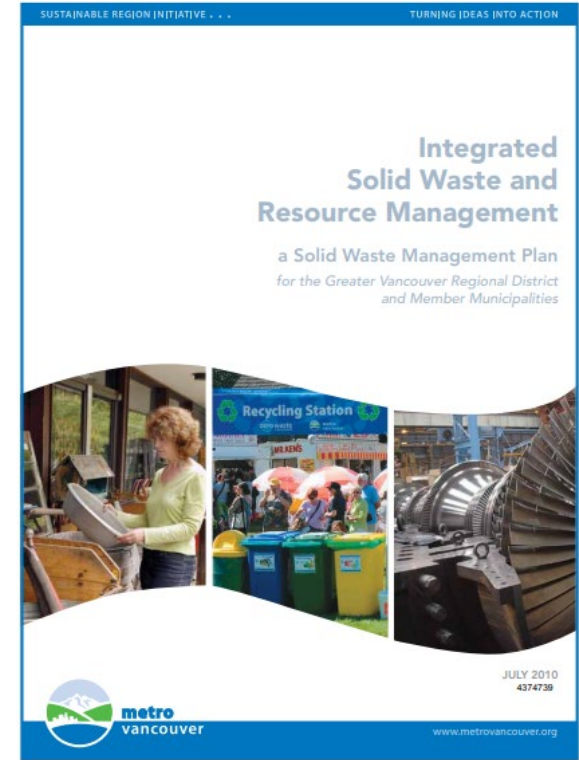
**10% Reduction Waste Generation
(Achieved 11%)**

Generation = Recycled + Disposed



**80% Recycling Rate
(Achieved 65%)**

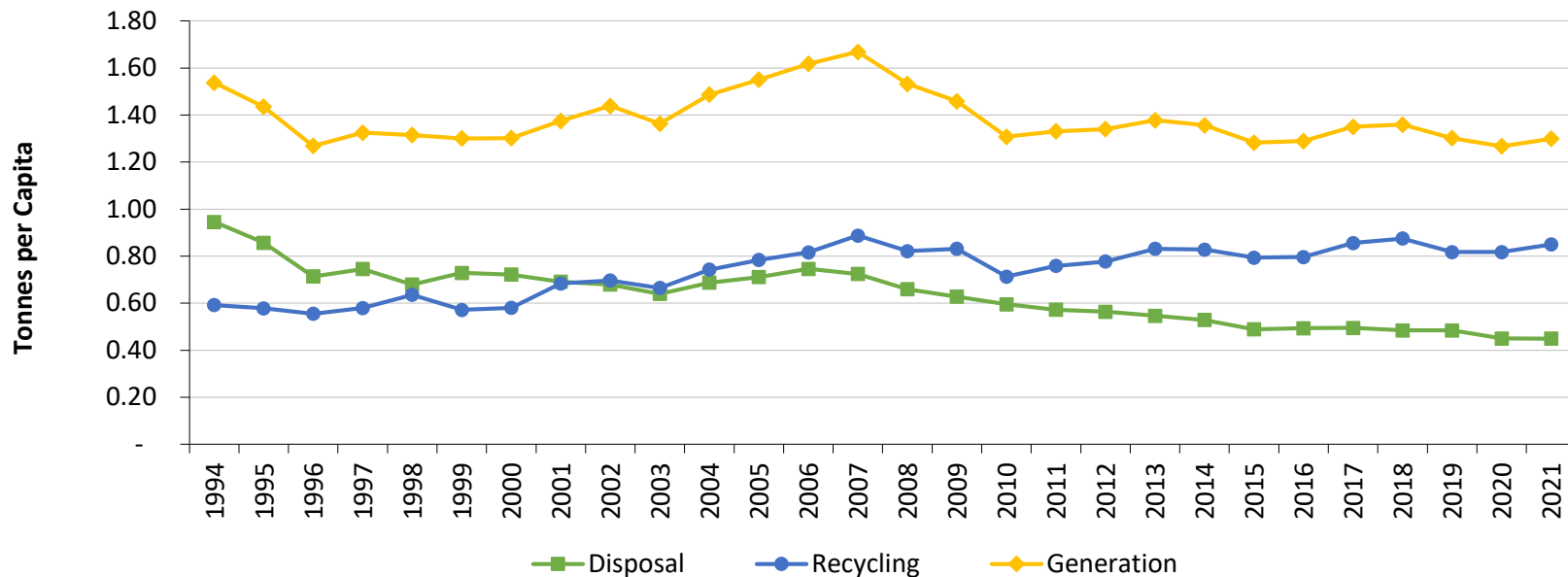
Recycling Rate = Recycled / Generated



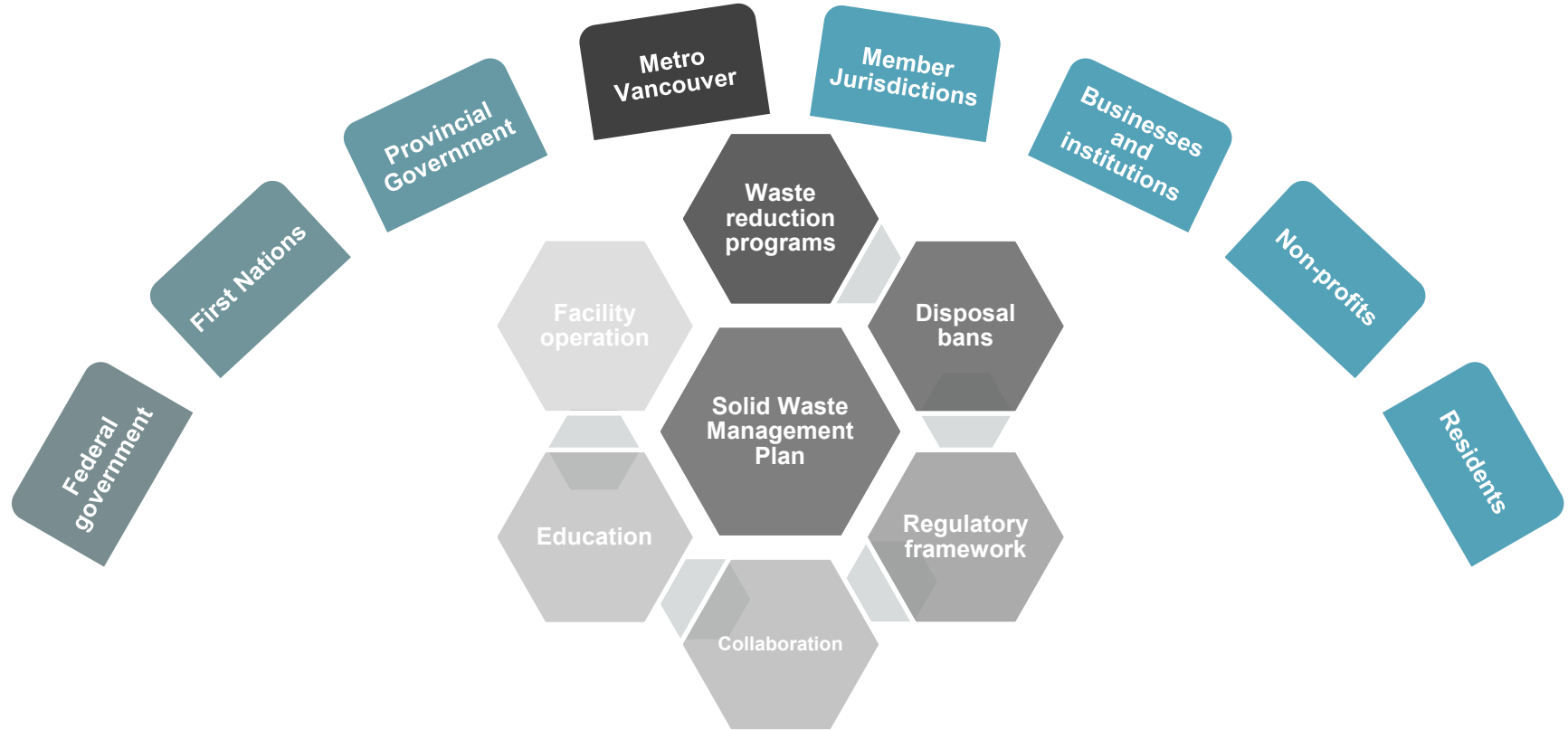
GENERATION & RECYCLING OVER TIME

From all sectors

TOTAL WASTE GENERATION, DISPOSAL AND RECYCLING RATES PER CAPITA

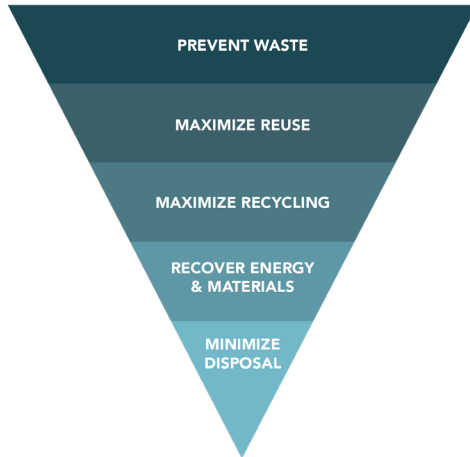


INTEGRATED SOLID WASTE SYSTEM

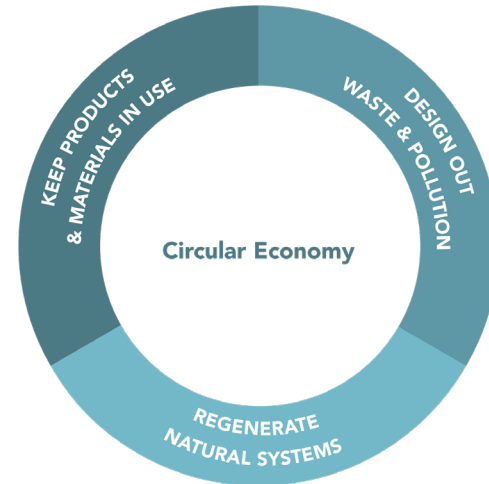


ZERO WASTE & CIRCULAR ECONOMY

THE WASTE HIERARCHY



THE 3 PRINCIPLES OF THE CIRCULAR ECONOMY



Bringing together organizations to advance waste prevention and the circular economy in Canada

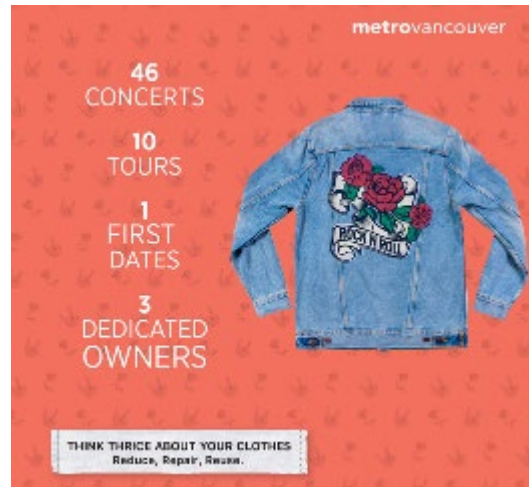
NATIONAL ZERO WASTE COUNCIL

180 + members representing:

- Provincial & local governments (& their agencies)
- Multinational businesses to small Canadian enterprises
- Industry and trade associations
- NGOs & community organizations

WASTE REDUCTION CAMPAIGNS

- Reduce single-use items
- Increase food scraps recycling
- Reduce textile waste
- Reduce holiday waste



Regional Solid Waste Facilities



UNITED BOULEVARD AND CENTRAL SURREY RECYCLING AND WASTE CENTRES



United Boulevard Recycling and Waste Centre
995 United Boulevard – Opened March 2022



Central Surrey Recycling and Waste Centre
6711 – 154 Street – Opened September 2022

RECYCLING DEPOT DEVELOPMENT

Goal to have consistent recycling options at all recycling and waste centres

Developing recycling depots at Langley and North Surrey recycling and waste centres



Langley Recycling and Waste Centre



North Surrey Recycling and Waste Centre

ENVIRONMENTALLY RESPONSIBLE WASTE DISPOSAL

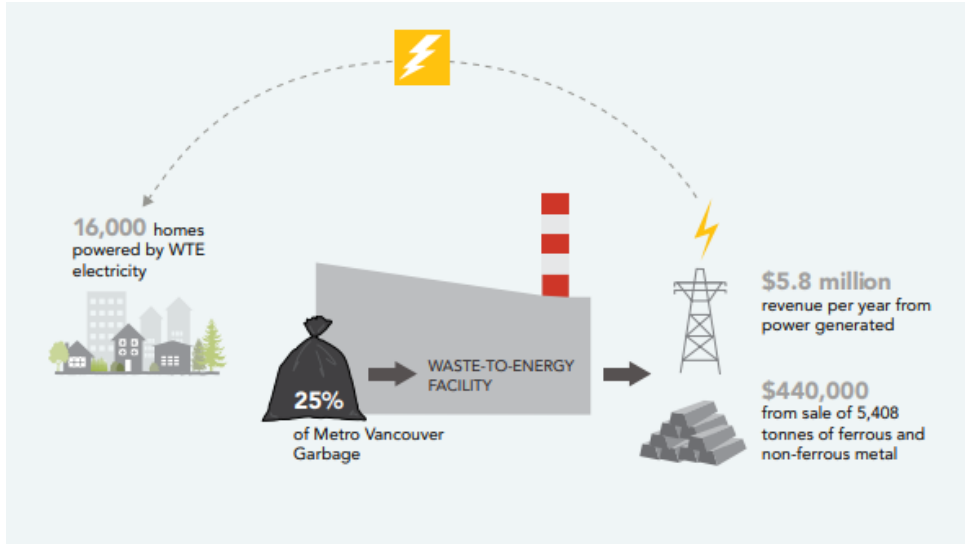
Waste-to-Energy Facility

Vancouver Landfill

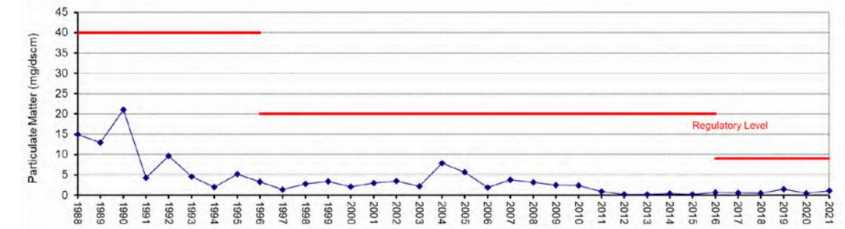
Contingency disposal



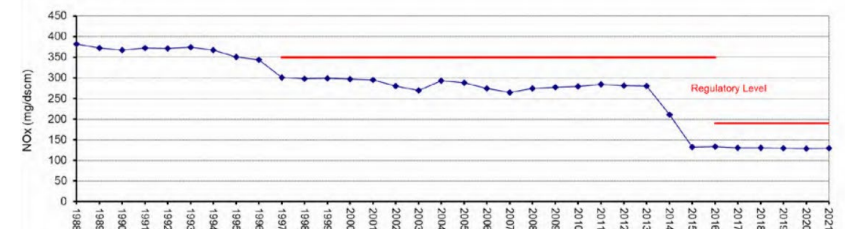
WASTE-TO-ENERGY FACILITY



Particulate Matter



Nitrogen Oxides



WASTE-TO-ENERGY FACILITY DISTRICT ENERGY PROJECT



- No change in Waste-to-Energy Facility emissions or amount of waste processed
- Triples energy recovery
- Heat and hot water for up to 30,000 homes
- Up to 45,000 tonnes per year of GHG emission reductions
- Self-funded over life of project



Vancouver Skyline



Questions?

metrovancouver



metrovancover

Break

Ironworkers Memorial Bridge

DISCUSSION QUESTIONS

Q1: What waste reduction, recycling and garbage disposal topics are most important, now and into the future?



Q3: The updated solid waste management plan is intended to reflect the values of everyone in the region. What values, interests, and priorities can be considered?



Q2: List words or phrases that describe what matters, when deciding what to do with products, packaging and materials that are no longer needed.



Q4: Thinking of how we purchase, use, reuse, repurpose, recycle and throw things away in the Metro Vancouver region, what could be better in the future than it is today?

REPORT-BACK

INSTRUCTIONS

- Designate a spokesperson
- Share your top takeaways from any of the questions with the group



The Shipyards, North Vancouver

NEXT STEPS

- Report back to Zero Waste Committee after meetings/workshops with First Nations, advisory committees, and member jurisdiction staff
- Collaborative Engagement
- Launch public engagement
- Vision and guiding principles engagement report
- Provide draft vision statement and guiding principles to the Zero Waste Committee and Board for consideration



Vancouver Skyline



Thank you

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Committee Co-Chair Nomination

Ironworkers Memorial Bridge

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Information Items

Georgia Strait view from Cypress