METRO VANCOUVER REGIONAL DISTRICT SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, October 8, 2024 1:00 pm – 4:00 pm Element Hotel, Burnaby BC A G E N D A

| 1. | AGENDA |
|----|--------|
| | |

- 1.1 October 8, 2024 Meeting Agenda
- 2. MINUTES
 - 2.1 September 10, 2024 Meeting Minutes
- 3. REPORTS AND ITEMS FOR DISCUSSION
 - 3.1 Progress Update on Solid Waste Management Plan Update Timeline
 For Information / Feedback
 Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services
 - 3.2 Solid Waste Management Plan Update: Idea Generation Workshop

For Input / Feedback: Small Group Discussions
Designated Speaker: Stephanie Liu, Program Manager, Community Engagement,
Solid Waste Services and Samantha Joy, Engagement Specialist, Solid Waste Services

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

For information

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

- 4.2 Waste-to-Energy Facility Tour
- 4.3 Additional and upcoming engagement opportunities

5. INFORMATION ITEMS

- **5.1** Regional Waste Flows
- **5.2** 2024 Work Plan

Committee Co-Chairs:

Director Craig Hodge, Zero Waste Committee Vice-Chair Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste Connections of Canada Bryan, Lori – Waste Management Association of BC Collins, James – Tymac Launch Service Ltd. Crawford, Jeremy – Waste Control Services Deol, Harwant – Super Save Group Dietrich, Christian - Ecowaste Industries Furtado, Glen – Cement Association of Canada Hankins, Grant – Canada Minibins.com Ltd. JansenVandoorn, Josh – Anaconda Systems Ltd.

Kaminski, Jamie - HSR Zero Waste Kawakami, Sean – Convertus Canada Ltd. Kiani, Aiden – Lock-Block Ltd. Koehn, Leanne – Ridge Meadows **Recycling Society** Lannin, Mike – Super Save Group MacNeil, Patrick – Wescan Disposal MacFarlane, Angus – Growing City Mallari, Achilles – Sierra Waste Services Ltd. McAra, Matthew – GFL Environmental Inc. McRae, Ralph – Revolution Infrastructure Inc. Millman, David – Waste Management of Canada Corp.

Johnson, Gord - Northstar

Moucachen, Maya – Merlin Plastics Pantazopoulos, Dimitri – Waste Connections of Canada Prasad, Shad - Cascade Recovery + Scaldaferri, Fabio – Pacific Mattress Recycling Inc. Skei, Dayton – Evergen Infrastructure Corp. Sigmund, Sandy – Encorp Pacific Canada, Return-It Turner, John – BC Biocarbon Ltd. Van de Wetering, Jasper -Heidelberg Materials Canada Ltd. Vargas, Pinky - Republic Services Young, Stewart, GFL Environmental Zarbl, Michael - Major Appliance **Recycling Roundtable**

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver Belanger, Lynn – City of Vancouver Henderson, Paul – Metro Vancouver

Jessa, Imran – Delta Textiles

Exporters Inc.

Joy, Samantha - Metro Vancouver Liu, Stephanie – 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 1:00 p.m. on Tuesday, September 10, 2024, in-person at the Alan Emmot Centre.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair) Aidan Kiani, Lock-Block Ltd. Angus MacFarlane, Growing City Christian Dietrich, Ecowaste Industries Dayton Skei, EverGen

Dimitri Pantazopoulos, Waste Connections of Canada

Glen Furtado, Cement Association of Canada Ken Schultze, (Alternate for Fabio Scaldaferri, Pacific Mattress Recycling Inc.)

Glen Furtado, Cement Association of Canada

Happy Deol, Super Save Group

James Collins, Tymac Launch Service Ltd.

Jamie Kaminski, HSR Zero Waste Maya Moucachen, Merlin Plastics

Michael Zarbl, Major Appliance Recycling

Roundtable

Mike Lannin, Super Save Group Patrick MacNeil, Wescan Disposal Ltd.

Pinky Vargas, Republic Services

Ralph McRae, Revolution Infrastructure Inc.

Jeremy Crawford, Waste Control Services Ltd.

Shad Prasad, Cascade Recovery +

MEMBERS ABSENT

Lori Bryan, Waste Management Association of BC

Achilles Mallari, Sierra Waste Services Ltd. David Millman, Waste Management of Canada Corporation

Gord Johnson, Northstar

Grant Hankins, Canada Minibins.com Ltd.

James Collins, Tymac Launch Service Ltd.

Imran Jessa, Delta Textiles Exporters Inc.

Izzie Abrams, Waste Connections of Canada

Jasper van de Wetering, Heidelberg Materials Canada Ltd.

Josh JansenVandoorn, Anaconda Systems Ltd. Leanne Koehn, Ridge Meadows Recycling Society

Matthew McAra, GFL Environmental Inc. Sandy Sigmund, Encorp Pacific Canada,

Return-It

John Turner, BC Biocarbon Ltd.

Sean Kawakami, Convertus Canada Ltd. Stewart Young, GFL Environmental Inc.

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Chris Clarke, Engagement Specialist, Solid Waste Services

Karen Storry, Senior Engineer, Solid Waste Services

Lynne Belanger, City of Vancouver

Lynne Vidler, Lead Senior Engineer, Solid Waste Services

Paul Henderson, General Manager, Solid Waste Services

Samantha Joy, Engagement Specialist, Solid Waste Services

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Terry Fulton, Senior Project Engineer, Solid Waste Services

Zack Ha, Administrative Assistant, Solid Waste Services

Zeenia Mizan, Program Assistant, Solid Waste Services

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

September 10, 2024 1:00 PM – 3:00 PM In-Person

Agenda

- 1. Agenda
 - 1.1. September 10, 2024, Meeting Agenda
- 2. Minutes
 - 2.1. July 9, 2024, Meeting Minutes
- 3. Reports and Items for Discussion
 - 3.1. Weigh Scale Software System Upgrade

For Information and feedback

Designated speaker: Lynne Vidler, Metro Vancouver, Solid Waste Operations

3.2. Generator Levy

For input/feedback

Designated speaker: Paul Henderson, Metro Vancouver, Solid Waste Services Small group and plenary discussions proposed questions:

- What are your thoughts on the generator levy? What does it accomplish?
- What challenges do you see with the generator levy and how can they be addressed?
- How does the generator levy affect competition?
- What alternative regulatory approaches could be considered for Metro Vancouver?
 - Where are those approaches successfully used?
 - O What are the outcomes?
- 4. Other Business
 - 4.1. Zero Waste Committee and Other Updates

For information

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

- 4.2. Waste-to-Energy Facility Tour
- 5. Information Items
 - 5.1. Regional Waste Flows
 - 5.2. 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule (upcoming meetings)
 - 5.3. Industry Advisory Committee 2024 Work Plan

MEETING MINUTES

Co-Chair, Director Craig Hodge, called the meeting to order at 1:03 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

1. AGENDA

1.1 September 10, 2024, Meeting Agenda

Co-Chair Hodge reviewed the September 10, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 July 9, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of July 9, 2024. There were no changes or additions to the meeting Minutes of July 9, 2024.

It was noted that a Feedback Summary Report of the July small group discussion is located on the committee webpage under the July meeting tab. Anyone experiencing challenges with locating the reports was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Weigh Scale Software System Upgrade

Lynne Vidler, Lead Senior Engineer, Solid Waste Operations, Metro Vancouver, reviewed information on the new scale software system upgrade, noting the following:

- Weigh scale software collects weights for inbound and outbound transactions, calculates cost per load based on Tipping Fee Bylaw provisions, and processes disposal ban surcharges.
- Field testing was completed at Central Surrey Recycling and Waste Centre in April and May 2024.
- Go-live dates that have been completed include Central Surrey (June 1, 2024),
 Maple Ridge (July 31, 2024), and Langley (August 20, 2024)
- Upcoming go-live dates include North Surrey Recycling and Waste Centre, Waste-to-Energy Facility, and North Shore Recycling and Waste Centre (expected October and November 2024)
- Upgraded features include:
 - Account customers will receive separate monthly invoices for updated facilities and non-converted facilities until all facilities are upgraded to new software
 - Fully integrated with Moneris point of sale system
 - o Invoices out of the new software will now be emailed to the financial e-mail address on file; invoicing is completed on or around the 10th of each month.
 - Account customers receive emailed site tickets immediately after a vehicle has completed a transaction at a facility for all converted facilities.
 - Once all sites are fully updated, scheduled reports are to be sent on a daily, weekly, or monthly basis (customers can request their preference).
 - Software will enable future upgrade to touch screen unattended terminals and eventually the reduction of multiple cards per vehicle.
- Information required from account customers includes:
 - Any updated fleet vehicle information new license plates or new vehicles missing from the account

- Any changes to billing or mailing address
- A contact for Finance to receive ticket copies, e-surcharges, and invoices
- An operations contact to resolve operational/vehicle issues when a driver visits a site
- o All updates should be emailed to weighscalesystem@metrovancouver.org.

3.2 Generator Levy/Competition

Paul Henderson, General Manager, Solid Waste Services, shared a presentation on the Generator Levy and competition. Highlights included:

- Waste reduction and recycling achievements and an overview of facility locations
- Overview of the benefits of a public solid waste system
- Comparison of average tipping fees in comparable jurisdictions and an overview of the benefits of the generator levy from Metro Vancouver's perspective.
- Various examples of investments enabled by the generator levy were shared, including:
 - Two new recycling and waste centers (2022)
 - Residential disposal events in partnership with member jurisdictions
 - o Mattress recycling and funding for municipal recycling depots
 - Recycling depot development at Langley and North Surrey recycling and waste centres
 - Waste-to-Energy Facility district energy development
 - Bottom ash beneficial use pilots
- Greater Vancouver Sewerage and Drainage District Board approved changes to Tipping Fee Bylaw related to the generator levy on June 28, 2024
- These changes include streamlined definitions, strengthened generator levy-related records management requirements, and improved enforceability of the bylaw
- Previous feedback received from the haulers regarding the generator levy.
- The Industry Advisory Committee feedback will be reported to the Zero Waste Committee, incorporated and included in the feedback for the Idea Generation phase of engagement on the solid waste management plan update, and considered in the next phase of engagement.

Paul Henderson asked if anyone had any initial questions or comments on the presentation shared. The following questions and comments were raised:

- Curiosity regarding Metro Vancouver's determining the tipping fee amount for Toronto and if private facilities were also considered
 - The response was that the Toronto tipping fee was listed on the City of Toronto's website; Metro Vancouver is aware that there are private facilities, but for this comparison, the fee considered was referenced from the City of Toronto website
- Further information was requested on why Metro Vancouver shared the tipping fees for Seattle and San Francisco
 - The response was that Metro Vancouver selected larger cities and systems that were more complex yet comparable to the Metro Vancouver model

Industry Advisory Committee members were separated into breakout groups and had 20 minutes to consider the questions below or suggest any other relevant questions. Each breakout group included a Metro Vancouver staff note taker, and a representative from each group provided a report back to the larger group on highlights of their discussions.

Questions for consideration:

- What are your thoughts on the generator levy? What does it accomplish?
- What challenges do you see with the generator levy and how can they be addressed?
- How does the generator levy affect competition?
- What alternative regulatory approaches could be considered for Metro Vancouver?
 - Where are those approaches successfully used?
 - O What are the outcomes?

Following the small group discussions, a representative from each group reported back on key highlights from their discussions.

A feedback summary from the small group discussion will be posted to the Industry Advisory Committee web page separately from the minutes. The Chair confirmed that the input and feedback were being captured and would be summarized, reported to the Zero Waste Committee, and included in the plan update.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson provided an update on recent discussions and activities of the Zero Waste Committee:

- The Integrated Solid Waste and Resource Management Plan Biennial report was distributed for feedback; this feedback was reported to the Zero Waste Committee last week and will be provided to the Ministry of Environment and Climate Change Strategy
- The Waste-to-Energy Facility financial summary is an annual report where the cost of operating the Waste-to-Energy facility is summarized; this year, additional items were included in this summary, including:
 - o Identification of debt associated with projects at Waste Energy Facility
 - Comparisons of the net cost for the Waste-to-Energy Facility, Vancouver Landfill, and contingency disposal; when accounting for recycling and waste center costs. The cost of managing waste through Metro Vancouver's contingency disposal contracts is roughly twice as much as the cost of managing waste at the Vancouver Landfill and Waste-to-Energy facility.
- Extended producer responsibility update:
 - The provincial government has a five-year plan that involves adding new materials to the EPR program, including mattresses, compressed canisters, fire extinguishers, medical sharps and other products, intended to be in place for 2025; however, feedback was received from the province in August 2024 that the regulations will not be updated this fall. The Board will write the province to stress the importance of including these materials in the regulations
- Manager's report:
 - o Upcoming engagements include:
 - Notice of Bylaw Violation adding Tipping Fee Bylaw provisions
 - A proposed amendment to the Waste-to-Energy Facility Operational Certificate to delay the reduction in discharge limits for sulphur dioxide and hydrogen chloride for 3 years
 - Solid waste management plan update idea generation

- Single-use item and plastic waste prevention update
- Textiles update
- 2024 Smart Waste Program Report published in August 2024
- District Energy British Columbia Utilities Commission exemption granted in August
 2024

A member asked about a recently closed private facility where waste remains unattended at the site.

Paul Henderson explained that there is a regulatory process currently underway. The member requested that the outcome of this process be shared with the committee once details are publicly available.

4.2 Waste-to-Energy Facility Tour

The tour was postponed to accommodate in-person meetings in September and October 2024. A new date will be scheduled, and all members are welcome to attend. An invitation for the new tour date will be sent out in the next couple of weeks.

5. INFORMATION ITEMS

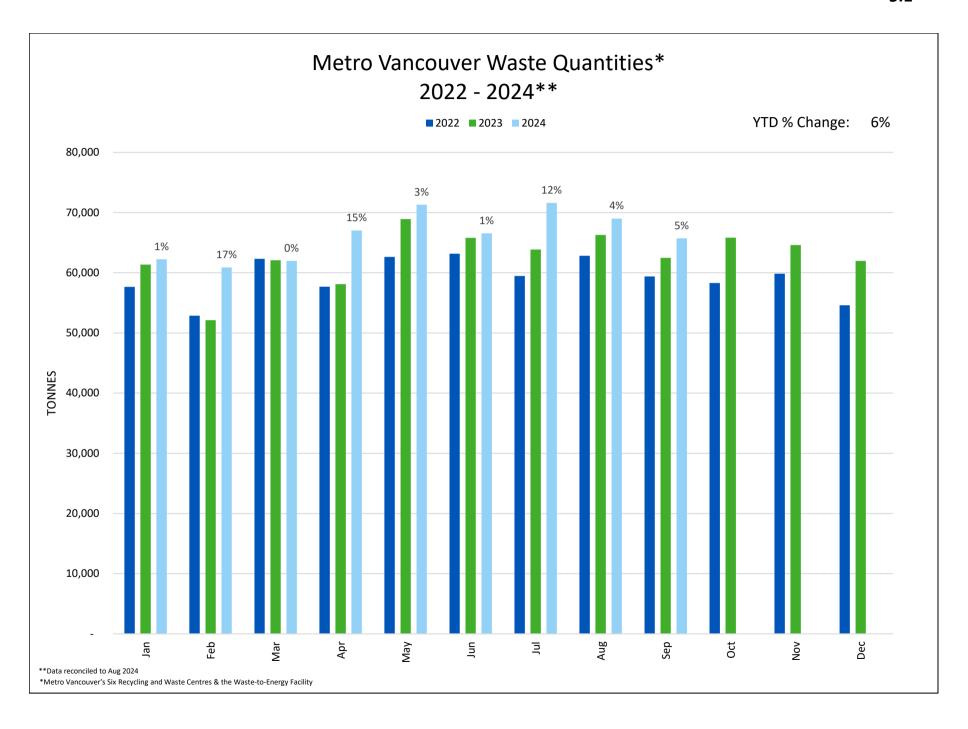
- 5.1 Regional Waste Flows
- 5.2 2024 Solid Waste and Recycling Industry Advisory Committee Meeting Schedule (upcoming meetings)
- 5.3 Industry Advisory Committee 2024 Work Plan

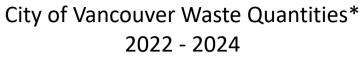
No questions were raised in relation to the Information Items.

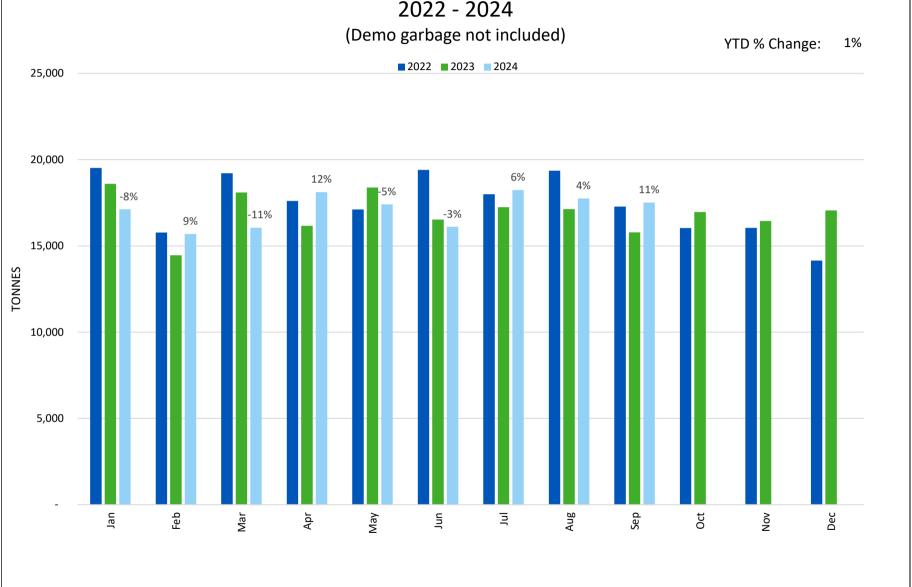
ADJOURNMENT

Chair Hodge thanked members for their comments and feedback and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held on October 8, 2024, in person at Element Vancouver Metrotown, in Burnaby and would focus on idea generation for the solid waste management plan update.

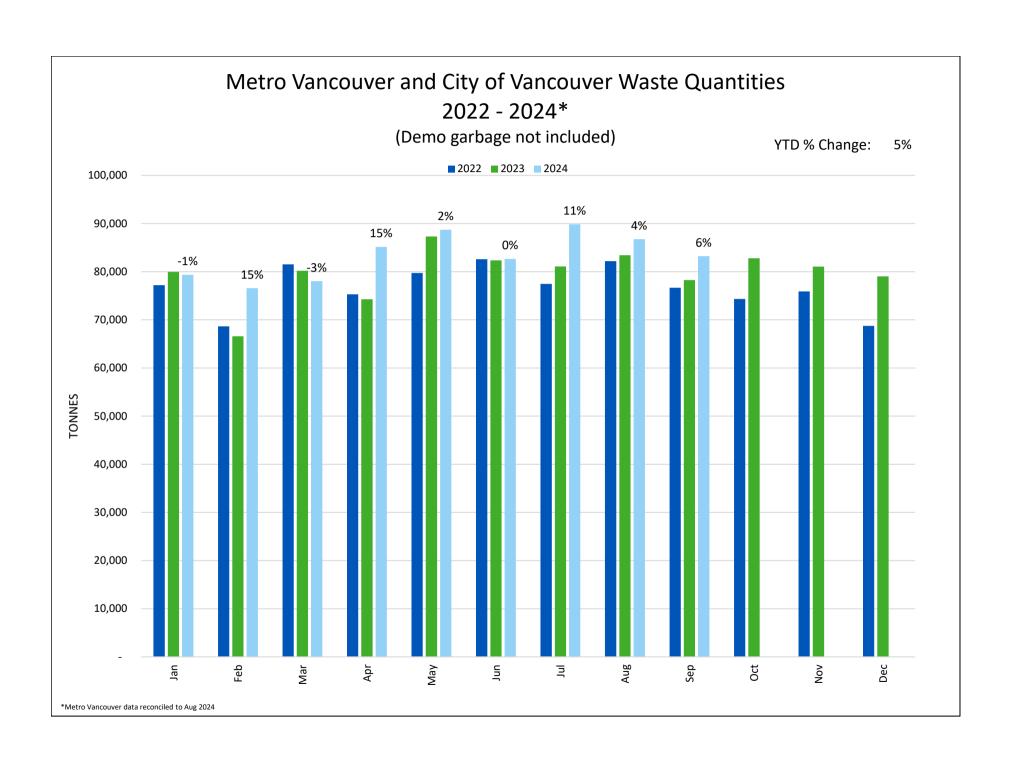
The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:03 p.m.







*Vancouver Landfill & Vancouver South Transfer Station





SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE 2024 WORK PLAN

October 8, 2024

| Quarter 1 | Status or Scheduled Month | Approach |
|--|------------------------------|---------------------------|
| Call for Submissions for 2024 IAC Membership | Complete | Plenary |
| Concrete and Asphalt Recycling Review – Draft Study Scope | Complete | Plenary |
| Integrated Solid Waste and Resource Plan Biennial Report | Complete | Plenary |
| Residuals Management Options Review – Draft Study Scope | Complete | Plenary |
| Quarter 2 | Status or Scheduled Month | Approach |
| Construction and Demolition Waste Management and Capacity | Complete | Small group |
| Co-Chair Election (Nominations in March) | Complete | Plenary |
| Prioritize timeline for solid waste management plan development | In-progress | Plenary |
| Recycling capacity and product markets (including organics) | Complete | Small group |
| Solid Waste Management Plan Update – Idea Generation: Issue/Opportunity Report Review | Complete | Small group |
| Solid Waste Management Plan Update – Vision and Guiding Principles Report Back | Complete | Small group |
| Quarter 3 | Status or Scheduled Month | Approach |
| Metro Vancouver Capital Budget | Complete | Small group |
| Vancouver Landfill/Long-term disposal planning (including contingency disposal) | Complete | Small group |
| Public Education – role of public and private entities | Pending | TBD |
| Generator Levy and Competition | Complete | Small group |
| Circular Economy and Share/Reuse/Repair ideas | Pending | Small group |
| Quarter 4 | Status or Scheduled Month | Approach |
| Recycling Statistics/Metrics | Pending | Plenary |
| Solid Waste Management Plan Update – Idea Generation | In-progress | Small group / workshop |



AGENDA

- 1. Agenda October 8, 2024
- 2. Minutes September 10, 2024
- 3. Reports and Items for Discussion
 - 3.1 Progress Update on Solid Waste Management Plan Update Timeline
 - 3.2 Idea Generation Discussions and Workshop
- 4. Other Business
- 5. Information Items





Transfer Station recycling bins

Solid Waste Management Plan Update

NEXT STEPS

Terry Fulton, P.Eng.

Senior Project Engineer, Solid Waste Services

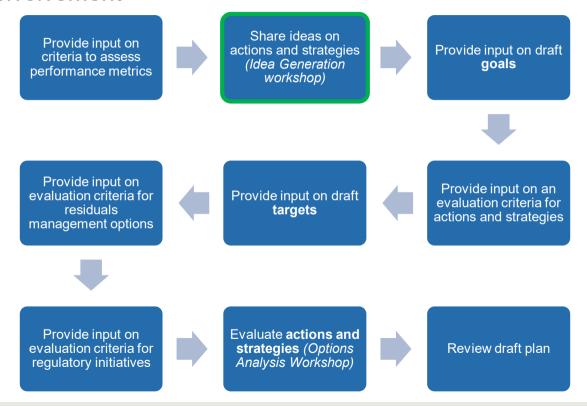
Solid Waste and Recycling Industry Advisory Committee - October 8, 2024

PLAN COMPONENTS

- Vision and Guiding Principles
- Goals
- Targets
 - Performance Indicator Evaluation Framework
- Actions and Strategies
 - Regulatory Criteria
 - Residuals Management Options Framework
 - Overall Action Evaluation Criteria

PATH TO DRAFT PLAN

Committee Involvement



PROCESS





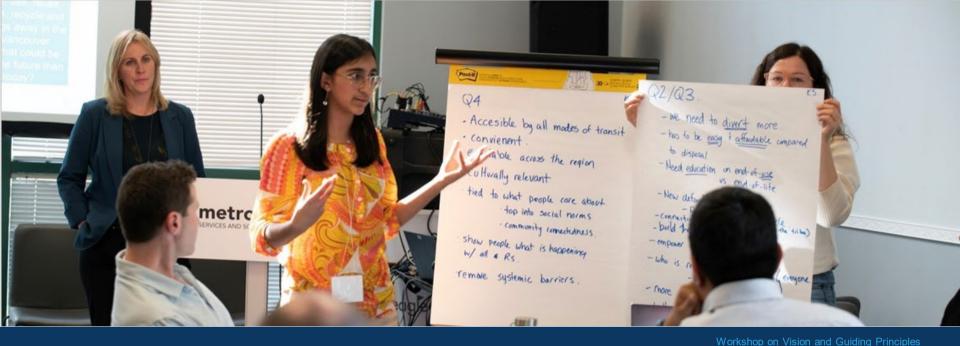


| Committees | | Public | | Board | |
|------------|--|--------|-----------------------------------|-------|-------------------------|
| • | Idea generation workshop Input on goals, targets, and evaluation criteria | • | Idea generation engagement | • | Adopt goals and targets |
| • | Options evaluation workshop Input on regulatory criteria, climate roadmap, and residuals management criteria | • | Options analysis engagement | • | Approve draft plan |
| • | Input on draft plan | • | Draft plan engagement | | |



Metro Vancouver Skyline

Questions?



Workshop on vision and Guiding Principle

Solid Waste Management Plan Update

PROJECT OVERVIEW AND IDEA GENERATION

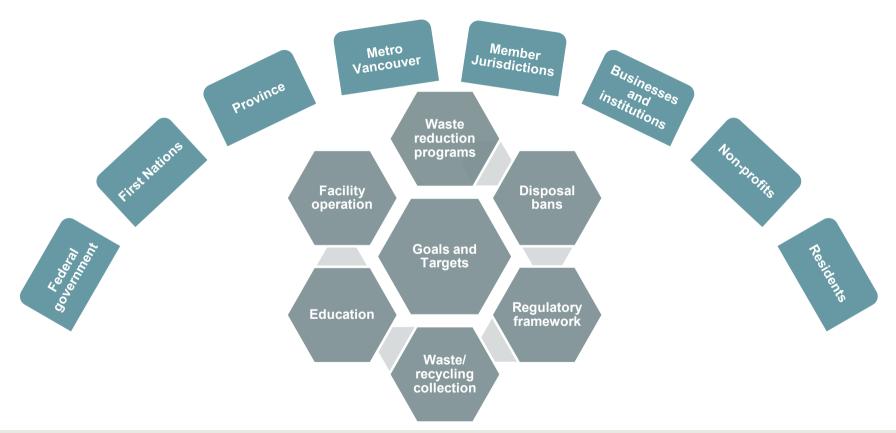
Stephanie Liu

Program Manager, Community Engagement, Solid Waste Services

metrovancouver

Solid Waste and Recycling Industry Advisory Committee – October 8, 2024 Orbit Link: Add when archiving presentation to Orbit

INTEGRATED SOLID WASTE SYSTEM



PLAN TIMELINE



VISION AND GUIDING PRINCIPLES

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



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



Inclusive solid waste services and programs.



A solid waste system that is **resilient** to climate change and future challenges.



Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation.



Accountability from residents, businesses, and governments to prevent waste.

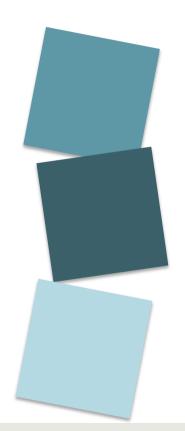


Transparency about what happens to waste and recycling.



Environmental stewardship and **climate** action.

FROM IDEAS TO PLAN



Idea Generation

- Focus areas created based on feedback from vision and guiding principles phase
- Will result in set of potential actions and strategies

Options Analysis (Subsequent Phase)

 Evaluation criteria will be developed and applied to the ideas generated in previous phase



PREVIOUS FEEDBACK: INDUSTRY ADVISORY COMMITTEE Challenges

- Uncertainty related to end-use markets for recycling
- Generator levy is a barrier to innovation and competition
- Low availability of industrial land for recycling and reuse infrastructure creates capacity challenges
- Lack of information, resources, or buy-in to recycle and reuse among some waste generators
- Insufficient financial incentives to recycle cost of disposal is too low

PREVIOUS FEEDBACK: INDUSTRY ADVISORY COMMITTEE

Ideas / Solutions

- Develop sustainable end-use markets for recyclables/organics
- Financial incentives for haulers and businesses to recycle more and to innovate
- Stronger regulatory framework to support C&D recycling
- Metro Vancouver should sell solid waste facilities, rely on private solutions, focus on regulatory role
- Prioritize and invest in sorting and processing technologies focus on recovery
- Raise the generator levy or use other funding models (e.g. at point of purchase or through tax base)



IDEA GENERATION DISCUSSION

- Share your ideas and priorities that could be incorporated into the updated plan.
- We will have 20 minutes at the first table and 15 minutes at the second table.
- You will have 10 minutes after discussions to read the notes from the other tables and add anything you feel may have been missed.

HOW WILL FEEDBACK BE USED

Feedback provided at this meeting will be summarized and included in a publicly available engagement report. Personal information will not be recorded, and comments will not be attributed to individuals.

ISSUES/OPPORTUNITIES DISCUSSION QUESTIONS

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

- Rethink and prevent waste in the first place?
- Enhance accountability for eliminating waste?
- Leverage knowledge and expertise through collaboration?
- Increase participation and reduce contamination in organics and recycling programs?
- Promote confidence in recycling systems?
- Expand inclusive programs and services?
- Plan for future infrastructure and systems for waste management across the region?

Discussion prompts

- ✓ What actions could be taken to address the challenges related to these topics?
- ✓ What role do businesses, waste and recycling industry, non-profits, community organizations, and others play?
 - ✓ How can these parties be effectively included in meaningful collaboration?

Closing Discussion

✓ Is there anything else you'd like to add to the conversation on this topic?

NEXT STEPS

 Continue idea generation engagement

- Develop criteria for evaluation of ideas and potential solutions
 - Input from advisory committees





Metro Vancouver Skyline

Thank you



4.1 ZERO WASTE COMMITTEE UPDATES

- Solid Waste Services Financial Plan 2025-2029
 - Includes Solid Waste Services work plan for 2025
- Amendments to the Tipping Fee Bylaw Rates
 - Increase garbage tipping by \$7 per tonne
 - Increase generator levy by \$3 per tonne
- Single-Use Item Reduction Campaign Results
 - 37.2 million media impressions, 500,000 video views, 7,500 likes, comments, and shares on social media
 - Single-use item disposal has decreased compared to 2022

4.1 ZERO WASTE COMMITTEE UPDATES

Manager's report

- 2024 Create Memories Not Garbage Campaign
- District Energy System Agreement update
- Procurement updates:
 - District Energy
 - Recycling and waste centres operations and maintenance
 - Waste-to-Energy Facility operations and maintenance
- New executive director at RCBC
- Right to Repair and Greenwashing

4.2 WASTE-TO-ENERGY FACILITY TOUR

- Tour is scheduled for 11 am on November 22, 2024
- Members can meet at the Waste-to-Energy Facility
- PPE will be available for anyone who needs it, further details will be included in the calendar invitation
- Please accept the calendar invitation if you are planning to join

4.3 ADDITIONAL ENGAGEMENT OPPORTUNITIES

- Zero Waste Committee and PTAC presentation day November 7
 - Present to the committees on ideas for the solid waste management plan update
- Independent Consultation and Engagement Panel Date TBD
- Provide feedback any time through an interview, phone call, or written comments



INFORMATION ITEMS

- 5.1 Regional Waste Flows
- 5.2 Industry Advisory Committee 2024 Work Plan



Vancouver Skyline

Thank you