

METRO VANCOUVER REGIONAL DISTRICT SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE

Tuesday, April 8, 2025

1:00 pm – 4:00 pm

Anvil Centre

A G E N D A

1. AGENDA

1.1 April 8, 2025 Meeting Agenda

2. MINUTES

2.1 March 4, 2025 Meeting Minutes

3. REPORTS

3.1 SWMP: Introduction to Options Analysis and Engagement Overview

For information

Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

4. ITEMS FOR DISCUSSION

4.1 SWMP: Draft Hierarchy and Goals

For information/feedback

Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services

- *Is there anything missing from the draft hierarchy and goals?*
- *Is there anything that should be changed or removed?*
- *Any other feedback?*

4.2 SWMP: Draft Metrics

For information/comment

Designated Speaker: Lindsay Seidel-Wassenaar, Project Lead, P.Eng., Sonnevera

4.3 SWMP: Draft Options Analysis Criteria

For information/feedback

Designated Speaker: Karen Storry, Senior Engineer, Solid Waste Services

Plenary discussion:

- *Is there anything missing from the draft criteria?*
- *Is there anything that should be changed or removed?*
- *Any other feedback?*

5. OTHER BUSINESS**5.1 Zero Waste Committee and Other Updates***For information**Designated Speaker: Paul Henderson, General Manager, Solid Waste Services***6. IAC CO-CHAIR NOMINATIONS AND ELECTION - VOTING ITEM****7. INFORMATION ITEMS****7.1 Regional Waste Flows****7.2 2025 IAC Meeting Schedule****7.3 2025 IAC Work Plan****7.4 IAC 2025 Committee Member Biographies****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	Johnston, Kurt – CleanStart Property Services	Pantazopoulos, Dimitri – Waste Connections of Canada
Agassiz, Sam – West Coast Reduction Ltd.	Kaminski, Jamie – HSR Zero Waste	Punja, Rustam – Geocycle Canada Inc.
Bryan, Lori – Waste Management Association of BC	Kawakami, Sean – Convertus Canada Ltd.	Prasad, Shad – Cascade Recovery +
Collins, James – Tymac Launch Service Ltd.	Kheyrandish, Ataollah – Richmond Steel Recycling	Skei, Dayton – Evergen Infrastructure Corp.
Crawford, Jeremy – Waste Control Services	Kiani, Aiden – Lock-Block Ltd.	Skoropada, Lorne – Ridge Meadows Recycling Society
Dietrich, Christian – Ecowaste Industries	Lannin, Mike – Super Save Group	Sigmund, Sandy – Encorp Pacific Canada, Return-It
Furtado, Glen – Cement Association of Canada	MacNeil, Patrick – Wescan Disposal Ltd.	Van Beusekom, Brent – product Care Association
Hankins, Grant – Canada Minibins.com Ltd.	MacFarlane, Angus – Growing City	Vargas, Pinky - Republic Services
JansenVandoorn, Josh – Anaconda Systems Ltd.	Mallari, Achilles – Sierra Waste Services Ltd.	Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
Janzen, Tessa – Recycle BC	McRae, Ralph – Revolution Infrastructure Inc.	Zarbl, Michael - Major Appliance Recycling Roundtable
Johnson, Gord – Northstar	Millman, David – Waste Management of Canada Corp.	
	Moucachen, Maya – Merlin Plastics	
	Muir, Wesley – Veolia North America (Canada)	

**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, March 4, 2025, virtual Zoom meeting.

MEMBERS PRESENT:

Bryan, Lori, Executive Director, Waste Management Association of BC (Co-Chair)
 Craig Hodge, Director, Zero Waste Committee (Co-Chair)
 Agassiz, Sam – West Coast Reduction Ltd.
 Collins, James – Tymac Launch Service Ltd.
 Crawford, Jeremy – Waste Control Services
 Furtado, Glen – Cement Association of Canada
 Hankins, Grant – Canada Minibins.com Ltd.
 JansenVandoorn, Josh – Anaconda Systems Ltd.
 Janzen, Tessa – Recycle BC
 Johnston, Kurt – CleanStart Property Services
 Kaminski, Jamie – HSR Zero Waste
 Kawakami, Sean – Convertus Canada Ltd.
 Kheyrandish, Ataollah – Richmond Steel Recycling
 Kiani, Aiden – Lock-Block Ltd.
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 Mallari, Achilles – Sierra Waste Services Ltd.

Millman, David – Waste Management of Canada Corp.
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 Skei, Dayton – Evergen Infrastructure Corp.
 Skoropada, Lorne – Ridge Meadows Recycling Society
 Sigmund, Sandy – Encorp Pacific Canada, Return-It
 Van Beusekom, Brent – product Care Association
 Vargas, Pinky – Republic Services
 Von Stefenelli, Nicole – Urban Impact Recycling Ltd.
 Zarbl, Michael – Major Appliance Recycling Roundtable

MEMBERS ABSENT:

Abrams, Izzie – Waste Connections of Canada
 Dietrich, Christian – Ecowaste Industries
 Johnson, Gord – Northstar

MacFarlane, Angus – Growing City
 McRae, Ralph – Revolution Infrastructure Inc.

METRO VANCOUVER STAFF PRESENT:

Ahmadvand, Sahar, Assistant Project Engineer, Solid Waste Planning
 Allan, Chris, Director, Solid Waste Operations
 Fulton, Terry, Senior Project Engineer, Solid Waste Planning
 Henderson, Paul, General Manager, Solid Waste Services
 Joy, Samantha, Engagement Specialist, Solid Waste Community Engagement

Liu, Stephanie, Program Manager, Solid Waste Community Engagement
 Mizan, Zeenia, Program Assistant, Solid Waste Services
 Storry Karen, Senior Engineer, Solid Waste Planning
 Underwood, Chris, Division Manager, Solid Waste Planning

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

March 4, 2025

2:00 PM – 4:00 PM

Virtual, Zoom Meeting

Agenda

1. 2025 Industry Advisory Committee Introductions and Welcome
2. Agenda
 - 2.1. March 4, 2025, Meeting Agenda
3. Minutes
 - 3.1. February 4, 2025 Meeting Minutes
4. Reports and Items for Discussion
 - 4.1. Solid Waste Management Plan Next Steps
For Information
Designated Speaker: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services
 - 4.2. Draft Climate 2050 Solid Waste Roadmap
For information/feedback
Designated Speaker: Sahar Ahmadvand, Assistant Project Engineer, Solid Waste Planning
5. Other Business
 - 5.1 Zero Waste Committee and Other Updates
For Information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
 - 5.2 Industry Advisory Committee Facility Tour Opportunity – Vancouver Landfill
For Information
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services
6. Co-Chair Nominations
7. Information Items
 - 7.1 Regional Waste Flows
 - 7.2 2025 Industry Advisory Committee Meeting Schedule
 - 7.3 2025 Industry Advisory Committee Work Plan

MEETING MINUTES

Co-Chair Craig Hodge called the meeting to order at 2:05 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee) meeting. Members were reminded to ensure their full name was visible on the Zoom platform so attendance could be confirmed. Members were advised that the meeting was being live-streamed and would be posted to the Industry Advisory Committee webpage.

1. 2025 INDUSTRY ADVISORY COMMITTEE INTRODUCTIONS AND WELCOME

Co-Chair, Lori Bryan welcomed both returning and new members to the Industry Advisory Committee. Each member was asked to introduce themselves, their company, and what they look forward to accomplishing on the committee over the next year.

Co-Chair Hodge reviewed member information and expectations. It was noted that if members are unable to attend a meeting, they can advise the Co-Chairs in advance to send an alternate. Alternate representatives who attend more than three (3) meetings will be required to submit an *Existing or Potential Conflict of Interest Statement* that will be posted to the Industry Advisory Committee webpage.

A list of the upcoming meeting dates was shared, highlighting that the next meeting on April 8, 2025 will be held in person.

2. AGENDA

2.1 March 4, 2025, Meeting Agenda

Co-Chair Hodge reviewed the March 4, 2025, meeting agenda. No additions were made.

3. MINUTES

3.1 February 4, 2025, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the Minutes of the February 4, 2025, Industry Advisory Committee meeting. No changes or additions were brought forward.

4. REPORTS AND ITEMS FOR DISCUSSION

4.1 Solid Waste Management Plan Next Steps

Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, Metro Vancouver, shared a presentation titled "Solid Waste Management Plan Update". The presentation highlighted the following:

- The solid waste management plan outlines solid waste strategies, actions, goals, and targets
- The new plan will identify how the region can continue to reduce waste, increase reuse and recycling, reduce greenhouse gas emissions, and work towards a circular economy
- Explanation of how the Industry Advisory Committee fits within the governance framework
- Background to position the upcoming Options Analysis phase of engagement

The Industry Advisory Committee was advised that during the April 2025 meeting, there would be an opportunity to provide feedback on the draft goals, hierarchy, metrics, and options analysis criteria.

4.2 Draft Climate 2050 Solid Waste Roadmap

Sahar Ahmadvand, Assistant Project Engineer, Solid Waste Planning, Metro Vancouver, shared a presentation titled “Climate 2050 Solid Waste Roadmap”. The presentation highlighted the following:

- Metro Vancouver Regional District Board adopted Climate 2050 Strategy in 2018 to commit the organization to
 - reach carbon neutrality by 2050
 - target a 45% reduction in emissions from 2010 levels by 2030
 - ensure infrastructure, ecosystems, and communities that are resilient to the impacts of climate change
- Climate 2050 Solid Waste Roadmap maps out the existing actions and progress to date, and the updated solid waste management plan will provide additional strategies and actions – the two will work in tandem to help us reach our climate 2050 goals
- The following projects are supporting the work:
 - District Energy System – which will use excess heat from the Waste-to-Energy Facility to heat up to 50,000 homes with a potential to reduce up to 70,000 tonnes of carbon dioxide equivalent emissions annually
 - Zero emissions hauling – assessing the business case for using zero emission vehicles for transporting solid waste, biosolids, and curbside waste collection
 - Zero emissions equipment – under new contracts, Metro Vancouver’s recycling and waste centre operators will be required to use renewable diesel for non-road mobile equipment and trucks that haul garbage to the Waste-to-Energy Facility and Vancouver Landfill, with incentives for transitioning to zero-emission equipment.
 - Metals recovery – the metals recovery system at Waste-to-Energy Facility recovers about 5,000 tonnes of non-ferrous and ferrous metals each year and this offsets around 1,000 tonnes of carbon dioxide equivalent emissions from the facility.

5. OTHER BUSINESS

5.1 Zero Waste Committee and Other Updates

Paul Henderson advised that the March 2025 Zero Waste Committee meeting has been cancelled.

The following information was shared with the Industry Advisory Committee:

- The Public/Technical Advisory Committee welcomed 11 new members
- Home Demolition Waste Reduction Forum has been scheduled for June 2, 2025, to bring businesses and governments together to discuss approaches to reducing construction and demolition waste in the region
- Engagement Panel recruitment has been extended to March 14, 2025
- The operations and maintenance contract for the Waste-to-Energy Facility has transitioned to Veolia, beginning March 3, 2025. There is an option for two five-year contract renewals.

5.2 Industry Advisory Committee Facility Tour Opportunity – Vancouver Landfill

Samantha Joy, Engagement Specialist, Solid Waste Services, Metro Vancouver, shared there is an opportunity to tour the Vancouver Landfill on Thursday, September 18, 2025. This tour will be with members of the Public/Technical Advisory Committee. Meeting invites will be sent to members soon.

Members were also reminded that they would be receiving calendar placeholders for the Zero Waste Conference on November 27, 2025. All members of the Industry Advisory Committee are welcome to attend at no charge; more information will be available as conference details are confirmed.

6. CO-CHAIR NOMINATIONS

Co-Chair Hodge called for nominations three times. Pinky Vargas, Republic Services, nominated Lori Bryan for the position of Co-Chair. The nomination was accepted by Lori Bryan with a disclaimer that they are required to attend all meetings virtually for the foreseeable future.

Co-Chair Hodge advised that nominations for the Industry Advisory Committee would be accepted prior to the meeting on April 8, 2025, during which the Co-Chair elections would occur.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 2025 Industry Advisory Committee Meeting Schedule

7.3 Industry Advisory Committee Work Plan

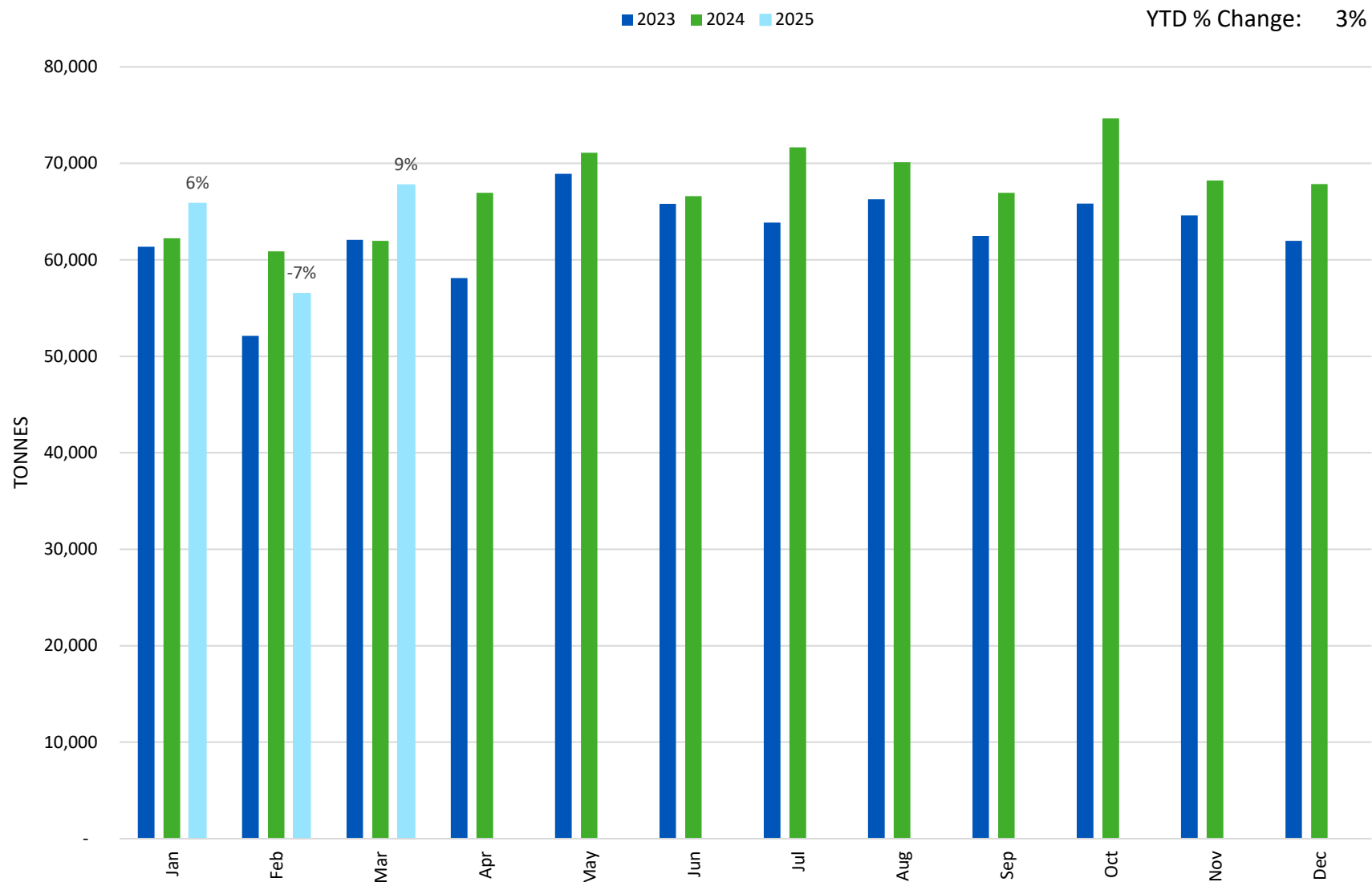
No additional questions or comments were put forward regarding the information items.

ADJOURNMENT

Co-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 in person on April 8, 2025.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:55 p.m.

Metro Vancouver Waste Quantities* 2023 - 2025**



**Data reconciled to Dec 2024

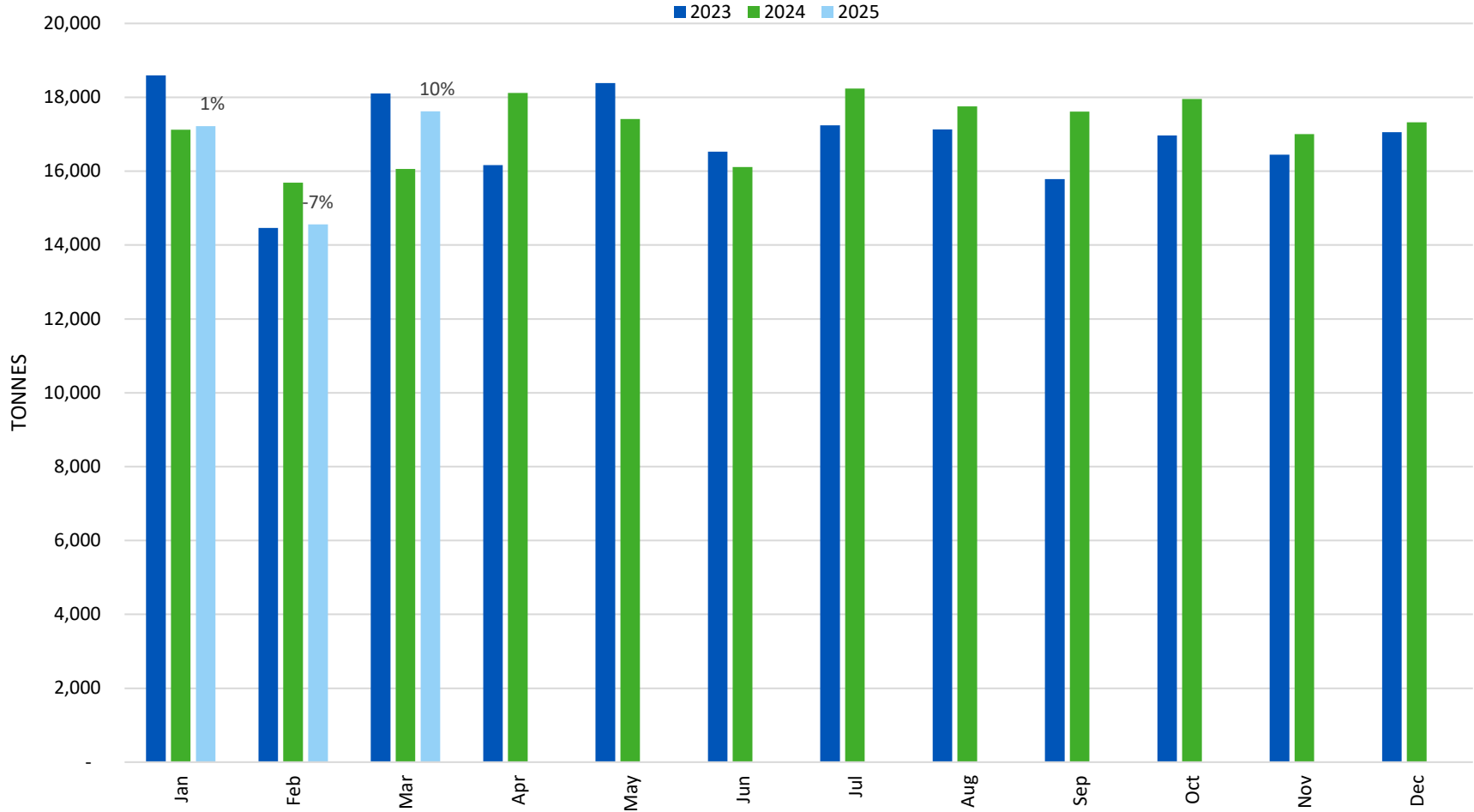
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility

City of Vancouver Waste Quantities*

2023 - 2025

(Demo garbage not included)

YTD % Change: 1%



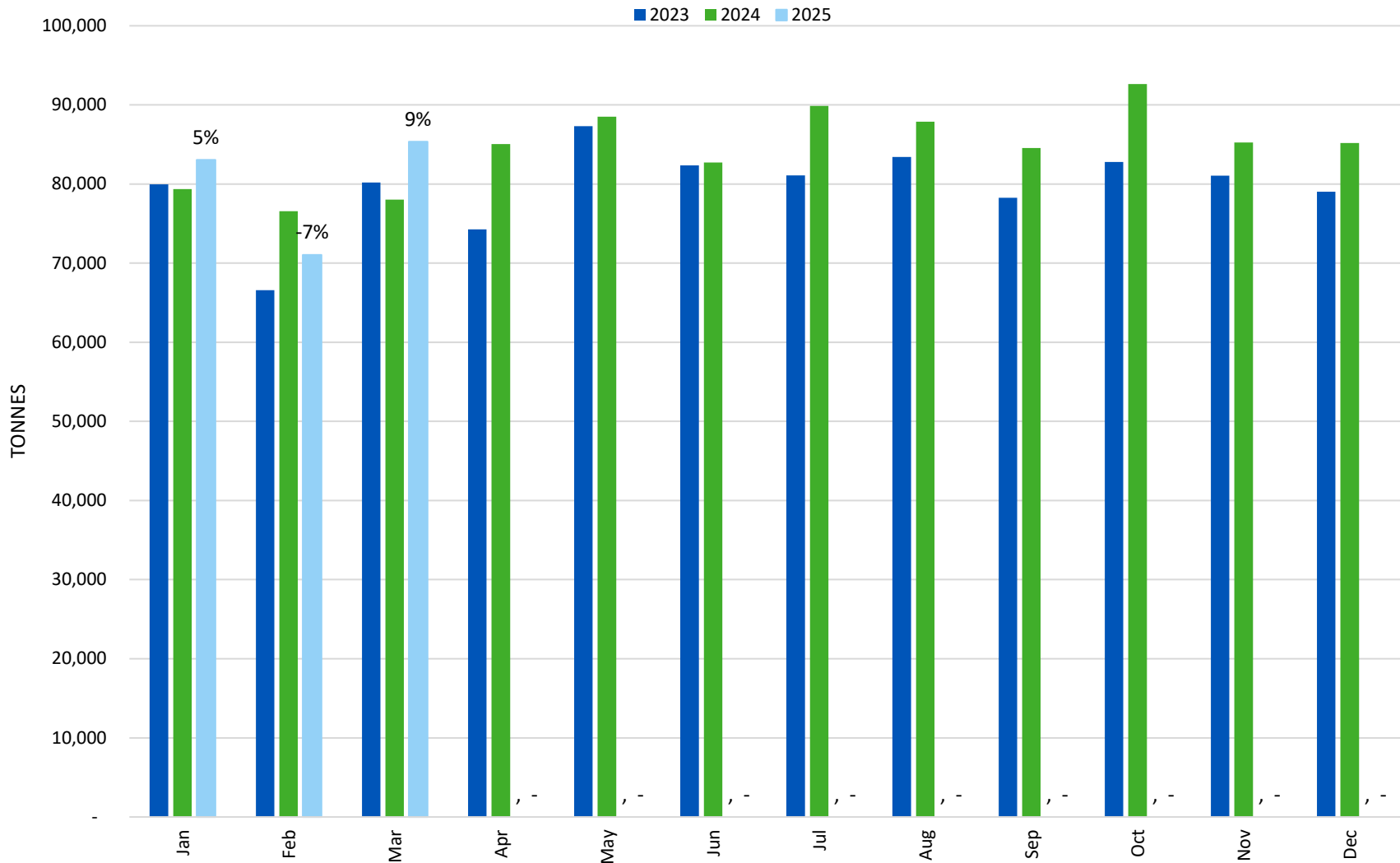
*Vancouver Landfill & Vancouver South Transfer Station

Metro Vancouver and City of Vancouver Waste Quantities

2023 - 2025*

(Demo garbage not included)

YTD % Change: 2%



*Metro Vancouver data reconciled to Dec 2024

Solid Waste and Recycling Industry Advisory Committee 2025 Meeting Schedule

January						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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July						
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March						
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June						
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29	30					

September						
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28	29	30				

December						
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28	29	30	31			

- Virtual meeting - 2:00 pm to 4:00 pm
- Virtual meeting - 2:30 pm to 4:30 pm
- In Person meeting / workshop - 1:00 pm to 4:00 pm

SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE 2025 WORK PLAN

April 3, 2025

Quarter 1	Status	Approach
Draft 2023 Recycling and Garbage Statistics	Complete	Plenary
Notice of Bylaw Violation Engagement - Tipping Fee Bylaw	Complete	Plenary
Source Reduction Incentive Program	Pending	Small group
SWMP: Timeline Update	Complete	Plenary
SWMP: Climate 2050 Solid Waste Roadmap	Complete	Plenary
SWMP: Draft Goals and Hierarchy	In-progress	Small Group
SWMP: Options Analysis Criteria	In-progress	Plenary
Quarter 2	Status	Approach
Concrete and Asphalt Study Report	Pending	Plenary
Soil Management	Pending	Plenary
Vancouver Landfill/Long-Term Disposal Planning and Options	Pending	Small group
SWMP: Residuals Management Options Report and Discussions	Pending	Small group
SWMP: Targets and Performance Metrics	Pending	Small group
SWMP: Idea Generation Report Back	Pending	Plenary
Quarter 3	Status	Approach
Public Education – role of public and private entities	Pending	Small group
SWMP: Regulatory Framework	Pending	Small group
Quarter 4	Status	Approach
Share/Reuse/Repair Update	Pending	Plenary
SWMP: Recycling Statistics/Metrics	Pending	Small group
SWMP: Options Analysis	Pending	Small group

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Director Craig Hodge, Co-Chair

Metro Vancouver Board Director Craig Hodge is a City of Coquitlam Councillor, a title he has held since 2011. Director Hodge serves on the Metro Vancouver Board, and is the Vice-Chair of the Zero Waste

Committee. Director Hodge is also Chair of the National Zero Waste Council Management Board, and serves on the Metro Vancouver Regional Parks Committee and Water Committee.



Lori Bryan, Co-Chair

Lori Bryan is the Executive Director of the Waste Management Association of BC (WMABC). Lori has helped guide the association through a number of campaigns to ensure the private waste & recycling sector has a voice

at government level discussions, advocating for collaboration on solutions and maintaining an open and competitive market.

Lori started in the waste sector by working for a small company in the 1990's, who she represented at WMABC meetings. She began raising a family in 1996, while continuing to be involved by working with independent companies and took on the ED position for the WMABC in 2010. Recently, she participated on the Emergency Management of BC (EMBC) committee, both for COVID-19 and the 2021 Flooding emergencies, providing guidance on waste & recycling issues to the Province.

Lori was part of the working group that brought about the Metro Vancouver IAC and became a member to continue to work together on industry solutions.



Achilles Mallari

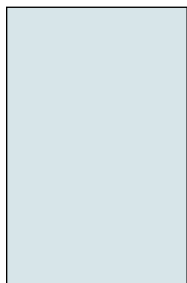
Achilles Mallari is the President of Sierra Waste Services Ltd. Achilles' background is in Operations and Quality Management through BCIT and been focused on collection and processing of solid waste and recycling, including logistics management over the past 23 years.

Through his work, Achilles has been involved in all aspects of operations at materials recovery processing facilities (MRF) including design, set up, and management of various facilities in BC and MB. Achilles currently leads and directly

manages teams in the collection of residential curbside and ICI materials. Achilles is also involved with municipal partners to review, design, and implement environmental initiatives. Through working with local processing facilities and participating in their meetings related to current policies and industry best practices, helps to understand the requirements for program success.

Achilles joined the IAC to collaborate and share his experience in the industry, and to contribute and assist Metro Vancouver as they plan new and innovative initiatives for the industry and region.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025

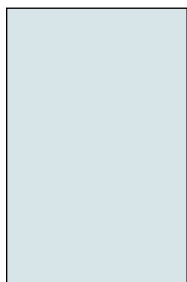


Aiden Kiani

Aiden Kiani is a Professional Engineer (P.Eng.), Geotechnical / Materials and has a Master's degree in Engineering. He also holds a Master's degree in Business Administration and a Master's degree in Educational

Technology and Learning Design. Aiden is the CEO of Lock-Block Ltd. & Green-Stone Aggregate, and is an instructor at BCIT in Civil Engineering.

Aiden joined the IAC to contribute to the development of public policies, engage in the activities of the community of practice, and help shape a sustainable lifestyle in our society.



Angus MacFarlane

Angus MacFarlane has dedicated over nine years to the waste and recycling industry, involved in various roles such as management and logistics. Angus is passionate about the industry and problem-solving. Angus' passion for

sustainability, both in his career and outdoor pursuits, reflects his commitment to making a positive impact on the environment and personal well-being.

Seeing things firsthand has inspired Angus to help find solutions and support efforts for continuous innovation in our local waste processing. By joining IAC, Angus' aim is to actively contribute to the waste and recycling goals while also bringing his passion, experiences, and perspectives.



Ataollah Kheyrandish

Ataollah Kheyrandish is a PhD graduate from the University of British Columbia, specializing in water and wastewater treatment. Over the years, Ataollah has worked on various environmental projects, including contaminated

soil management, industrial water treatment, and waste handling. They have also collaborated with First Nations and small communities to help deliver clean water solutions, ensuring access to safe drinking water in underserved areas.

For the past three years, Ataollah has worked as an Environmental Manager at a metal recycling facility, focusing on sustainability, regulatory compliance, and environmental protection. Their work includes waste management in metal recycling processes, managing industrial wastewater, and implementing best practices for responsible waste handling.

Ataollah is passionate about improving waste management strategies, enhancing resource recovery, and supporting sustainable recycling initiatives.



Brent van Beusekom

Brent van Beusekom has served as Operations Manager with Product Care, a non-profit association, for 15 years. Previously Brent worked in the private sector in hazardous waste disposal and environmental emergency response.

Brent possesses thorough knowledge of Provincial and Federal laws and regulations for dangerous goods and hazardous waste and works with other vendors in the Metro Vancouver Region to facilitate the processing and disposal of paint, flammable liquid, lights, alarms and pesticide products.

Brent is interested in being included in the discussions about waste management in the region.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Christian Dietrich

Christian Dietrich is the Vice President of Recycling and Waste Services at Ecowaste Industries. Christian's entire work experience centers around waste management, specifically hazardous waste and solid waste management. He has

worked in and led teams to design, commission, operate and maintain five separate waste processing plants ranging from a hazardous waste fuel blending facility in Tennessee, to fuel production from residential waste in London UK, to anaerobic digestion of food and garden waste in Surrey, BC.

Christian has also taken part in operational teams to improve safety and operational performance at a variety of waste processing plants including, material recovery facilities, mechanical biological treatment, combined heat and power incinerator, and waste-gasification. Christian holds a BSc Environmental Science from Lake Superior State University and an MBA from Seattle University.



David Millman

David Millman has over 30 years of experience in the waste and recycling industry working with the private and public sector. David has worked through implantation of: Waste Bans, Bylaw changes, Recycling, Organics, Short and

Longterm Disposal Options, and COVID Protocol. Proving solution to problems in both the private and public sector. David joined the IAC to work closely with all industry partners to find cost effective solutions to current and longterm issues.



Dayton Skei

Born and raised on BC's Sunshine Coast, Dayton Skei graduated from Mount Allison University and UBC with a focus on sustainability management. Dayton has worked in the waste industry for 6 years, and is currently the Sales Director

for EverGen Infrastructure Corp. Carrying a particular passion for organic waste, Dayton manages the feedstocks and outputs for each of EverGen's facilities. Dayton joined the IAC to foster connections with waste industry members and stay updated on Metro Vancouver's solid waste initiatives and policy.



Dimitri Pantazopoulos

Dimitri Pantazopoulos is a government relations and public policy consultant with a decade of experience in the waste industry. In addition, Dimitri owns and operates a public opinion research firm, that specializes in public policy and reputation management.

Dimitri joined the IAC to assist their client, Waste Connections, to represent their interests and the broad interests of a competitive market system and an approach to government management that emphasizes fiscal prudence.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Glen Furtado

Glen Furtado, M.A.Sc., P.Eng. is the Senior Director of Construction Innovation for the Cement Association of Canada. Glen's experience in design, management, and leadership roles extends over 25 years

in the private and public sectors in USA and Canada. Glen sits on several industry Boards and Committees including serving as Director on the Boards of Concrete BC and Concrete Alberta and is currently Vice-Chair of the Transportation Association of Canada's Environment and Climate Change Council. Glen joined the IAC to learn more about Metro Vancouver's solid waste and recycling policies and plans and to contribute to collaborative opportunities for waste management.



Gord Johnson

Gord Johnson is a co-founder that developed a proprietary process for the recovery of 100% of the material from asphalt shingles. Gord has 30 plus years of experience in building, growing, and managing companies. Gord

is the former CEO of Save Energy Walls, Lodgeview Entertainment & Intrepid Security.

Gord is involved with multiple jurisdictions in Canada and the US with regard to material recovery facilities and the collection of solid waste as it relates to Construction & Demolition waste especially asphalt shingles.

Gord joined the IAC as he has some experience in this field and wants to understand and apply the best practices for solid waste management not only for Gord's company but across the region and assess if they can be applied in other areas.



Grant Hankins

Grant Hankins has been involved in the industry for close to 30 years working for private and publicly traded companies in Canada and the United States. Grant currently owns assets and investments in the industry and is the Chair of

the Waste Management Association of BC as well as a member of Metro Vancouver's Solid Waste Management Plan Public/Technical Advisory Committee. Grant has a MBA, an undergraduate degree in business from SFU and business diploma with Capilano University and is currently a consultant to various companies in the industry in Canada and the US.

Grant has an interest in working collaboratively with government to develop policies and processes that create a better environment. While creating a business environment that creates an open competitive and efficient market to drive higher environmental standards while doing it in a fiscally responsible manner for tax payers.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Izzie Abrams

Izzie Abrams is Vice President Government & External Affairs, Waste Connections of Canada. Izzie's career has spanned over 5 decades in the waste industry, and Izzie has held various executive positions successfully developing

and implementing growth strategies as well as government and community affairs programs. Izzie has also held leadership roles in various trade associations, charitable foundations and not for profit organizations. Izzie holds numerous community and industry awards having been inducted into the National Waste and Recycling Association Hall of Fame in 2014.

Izzie joined the IAC to provide his industry experience and insights. As well as make a positive contribution for the advancement of better waste management practices as they relate to policy issues regarding solid waste and recycling services in Metro Vancouver.



James Collins

James Collins has worked in the local waste industry for over 20 years, starting with Philip Services Inc. providing environmentally responsible hazardous waste management. More recently with Tymac Launch Service Ltd. providing

waste management services to Canada's west coast shipping industry.

James joined the IAC because he thinks it is important to participate and give back to the community. The more people that do this, the better the place is in which to live.



Jamie Kaminski

Jamie Kaminski is a Zero Waste Business Associate (ZWA, TRUE Advisor) and is President of Happy Stan's Recycling Services Ltd. Zero Waste. Jamie is a Board Member of Zero Waste Canada and the Zero Waste International Alliance, and is

Chair of the Zero Waste Definition and Zero Waste Hierarchy working group.

Jamie's 27 years plus of experience is in solid waste management from both a ground level and policymaking perspective. Jamie's area of expertise lies within international best practices, specifically internationally accepted zero waste policies and programs. Jamie works with fellow policy advisors to create strong, practical and enforceable policies that drive change towards zero waste. Jamie has developed extensive experience in understanding how regional policies and bylaws affect the existing waste management system from the perspective of the service provider, the client, as well as the region as a whole.

Jamie joined the IAC to support Metro Vancouver in their desire to incorporate more Zero Waste programs, policies and metrics into their solid waste management plan update.

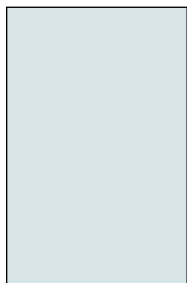


Jeremy Crawford

Jeremy Crawford has worked in the industry for the past 14 years in various roles and is currently the General Manager of Waste Control Services, where one of Jeremy's responsibilities is to operationalize the company's strategy and execute its business plans.

Jeremy joined IAC to collaborate with peers within the industry and Metro Vancouver, to assist and support decision making by Metro Vancouver as it relates to solid waste and recycling services in the Metro Vancouver region.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Josh JansenVandoorn

Born and raised in Langley BC, Josh JansenVandoorn graduated from Trinity Western University and is the father of three kids.

Josh has worked in the waste industry for 12 years both on the hauling and processing side. Josh

has been a director with the Waste Management Association of BC for the last 8 years.



Lorne Skoropada

Lorne Skoropada is a hard-working innovative individual with experience and education in solid waste management. Lorne has served as Operations Director for Ridge Meadows Recycling since 2007. A member of SWANA, and

the Coast Waste Management Association, Lorne is Looking forward to sharing their industry experience.



Kurt Johnston

Kurt Johnston is a Vancouver-based business leader with over fifteen years of experience in strategic operations, sales, and social enterprise management. Currently, Kurt serves as CEO of CleanStart Property Services, an award-winning

social enterprise committed to providing junk removal, cleaning, and pest control services while creating job opportunities for individuals facing barriers to employment. Kurt's professional journey has spanned diverse industries, from innovative construction solutions to insurance services and the outdoor industry.

Kurt is excited to join the IAC and bring Kurt's expertise in sustainable operations and social enterprise management. Kurt aims to contribute strategic insights to drive impactful, inclusive solutions for our community's social and environmental challenges.



Maya Moucachen

Maya Moucachen is an Electrical Engineer and Director of Business Development at Merlin Plastics. Maya holds a MS from University of Illinois at Urbana-Champaign, an MBA from INSEAD.

Maya joined Merlin Plastics in 2012.

Since 1987, Merlin Plastics has planned, developed, and refined the re-processing of PE, PP, LDPE, and PET. The company began its recycling business out of a 2,000 square foot warehouse in Delta, B.C. and now operates recycling facilities totaling over one million square feet with sister plants in Alberta, Ontario, California and Oregon. Merlin Plastics has been honoured to receive various awards.

Maya is passionate about the environment, and feels blessed to have a career that is consistent with her personal environmental values. Maya is honoured to be a member of the Solid Waste and Recycling Industry Advisory Committee.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Michael Zarbl

Michael Zarbl joined the Major Appliance Recycling Roundtable as the Executive Director in July 2017. Prior to that, Michael was the Director of Operations at Recycle BC (formerly MMBC) the Extended Producer Responsibility

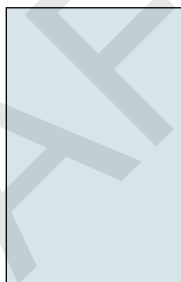
program for packaging and printed paper in British Columbia. Before joining Recycle BC, he was the Senior District Manager for Waste Management of Canada Company for four years, where he was responsible for the entire operation of the Vancouver Hauling District. Prior to that, Michael held various private sector positions at major corporations such as Director of Operations with Ryder Container Terminals, a large export/import and distribution facility for Canadian manufacturers and major Canadian retailers, Distribution Centre Manager for Martin Brower of Canada (distributor for McDonald's Restaurants of Canada), and with Coca-Cola Bottling Co. He has an extensive supply chain management background with direct experience in the key activities along the supply chain, culminating in direct waste management industry experience.



Mike Lannin

Mike Lannin has been working in the waste industry in varying capacities for nearly 20 years. He is currently a manager at Super Save Group, a private waste hauling organization. Mike joined the IAC as an opportunity

to learn more about the issues surrounding the solid waste industry in the area currently, and to contribute to the ongoing development of the industry going forward.



Nicole Stefenelli

Nicole Stefenelli is the CEO and Founder of Urban Impact Recycling, a local waste management service provider. Nicole has been involved in the industry since 1990 and looks forward to serving on the Industry Advisory Committee.



Patrick MacNeil

Patrick MacNeil is an advocate for recycling and environmentally conscious waste handling procedures and policies that are feasible and long term minded. Patrick has worked in the waste and recycling industry for 19 years.

Patrick joined the IAC to help form policy that will have a beneficial outcome for generations to come.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Pinky Vargas

In 2021, Pinky Vargas joined Republic Services. Prior to joining the company, Pinky worked for Washington energy utilities for 14 years, on Energy Efficiency, Community Outreach, and Account Management. Pinky also served

on Bellingham City Council for eight years and completed their term in December 2021. Pinky has extensive experience in project and account management and working with government entities on a host of issues. Pinky was born and raised in Canada and moved to the United States 24 years ago. Pinky holds a Bachelor of Science Degree in Business Management and has training in mediation and negotiation.

Pinky has been actively involved in conservation and sustainability for over 15 years. Managing our waste sustainably and responsibly is a critical issue in our world today and Pinky is compelled to be part of the solution. Pinky enjoys working among those who have the greatest impact and helping each other come to solutions for the long term. It is Pinky's personal purpose to lead local communities in environmental solutions and advocate for a circular economy, effective government, economic development, social justice, women's equality, outdoor recreation, wellness, and a good quality of life.

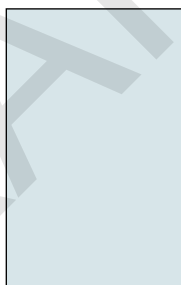


Ralph McRae

Ralph McRae is the Chairman & CEO of Revolution and a participant in the waste and recycling industry in Metro Vancouver for 35 years. Ralph has been involved in solid waste collection and disposal,

ICI recycling, composting, construction and demolition materials processing and the production of alternate fuels.

Ralph joined the IAC to improve the management of solid waste in the region and bring fiscal accountability to the process.



Rustam Punja

Rustam Punja has been involved in the waste industry since 2005 and has worked in collection, recycling, and environmental remediation. In 2013, Rustam took on the role of alternative fuels manager at Lafarge Canada's Richmond

cement plant. Rustam's primary focus is identifying and commercializing waste streams or byproducts that could serve as viable replacements for virgin fuel and raw materials consumed by Lafarge's cement operations in Western Canada.



Sam Agassiz

Sam Agassiz is a finance professional with experience in public practice accounting, operational finance, and operational management. Sam works with West Coast Reduction managing their

Vancouver facility. Sam looks forward to meeting and collaborating with other waste and recycling industry stakeholders.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Sandy Sigmund

Sandy Sigmund is Vice President Development & Chief Marketing Officer of Encorp Pacific Canada. Sandy has been a senior executive with Encorp since its inception in 1995 and leads the stewardship agency's marketing,

communications and program development efforts. Prior to Encorp, Sandy had an extensive career in retail management specializing in sales, marketing, and merchandising. Sandy is the Past President of the board for the Ridge Meadows Recycling Society and serves on the management board of the National Zero Waste Council.

As Encorp strives to increase the recovery and recycling rate for the obligated products under the stewardship plan we continuously search for new and innovative ways to collaborate and partner with others in the industry.



Sean Kawakami

Sean Kawakami is the Business Development Manager for Convertus Group who specialize in the design, construction, finance, and operation of organic waste processing facilities. Convertus operates 12 facilities in Canada,

notably including the Nanaimo Circular Waste BC and Surrey Biofuel sites. Sean started in the industry with Rehrig Pacific and his experience in supply, collection and processing affords him a unique perspective of the solid waste industry in our province.

As a resident of the lower mainland and a solid waste professional, contributing to the long-term success of the solid waste industry in the region is important to Sean on numerous levels. Sharing information from different stakeholders on the committee can help manage the unique challenges of solid waste in our region and it is the best way to ensure industry and government are working together to develop a sustainable plan for our future.



Shad Prasad

With over 30 years in the logistics/warehousing industry, Shad Prasad has seen a large amount of waste. Shad is driven to change habits and approach to recycling by educating people on available recycling alternatives through awareness and education.

Shad is the Plant Manager for Cascades Recovery +, Vancouver and Surrey, where the company is involved in recycling fibre from commercial facilities throughout the lower mainland. Cascades Recovery + is committed to reducing fibre waste entering the landfills.

Shad joined the IAC to gain knowledge on future recycling goals and initiatives and how he can contribute to a greener community.



Tessa Janzen

A dedicated environmental stewardship professional with over eight years of experience in the non-profit, post-secondary, and private business industries.

Tessa Janzen revels in bringing people together to tackle complex problems and find innovative solutions that make life better for people and the planet. When not working Tessa enjoys snowboarding, camping and hiking with their dog.

Tessa has worked with Recycle BC for five-years on curbside, multi-family, and depot residential recycling programs. They are currently the Manager of Collection for residential recycling EPR programs.

Solid Waste and Recycling Industry Advisory Committee – Member Biographies 2025



Wesley Muir

Wesley Muir has been in the solid waste management industry for 23 years with Waste Management, Progressive Waste Solutions and Veolia as well as a consultant to provincial governments on a wide range of non-hazardous waste

management issues. Throughout their career, Wes has been active in all activities throughout the waste services continuum including collection, transfer, waste diversion and recycling, energy recovery, landfill disposal and new technologies.

Wesley is also an active volunteer with public and private waste services associations including BC SWANA, Coast Waste Management Association and the Waste Management Association of BC.

Wesley's interest in the Industry Advisory Committee is to help contribute to the urgent public policy debate on how Metro Vancouver can address its current and future challenges.

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Welcome

Burrard Inlet Port Lands



COLLECTION NOTICE

Video and audio footage from this meeting is being collected under section 26(c) of the *Freedom of Information and Protection of Privacy Act*. It will be used to create a public record of the meeting and assist minute-takers in accurately documenting the events.

If you have any questions about this collection, please contact a Privacy Officer at Metro Vancouver, Metrotower III, 4515 Central Boulevard, Burnaby, BC, V5H 0C6 or 604-432-6200 or privacy@metrovancover.org.

AGENDA

1. Agenda – April 8, 2025
2. Minutes – March 4, 2025
3. Reports
4. Items for Discussion
5. Other Business
6. Member Co-Chair Nominations and Election
7. Information Items

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Reports

Central Surrey Waste and Recycling Centre





Metro Vancouver Staff Workshop

3.1 Solid Waste Management Plan Update

TIMELINE UPDATE

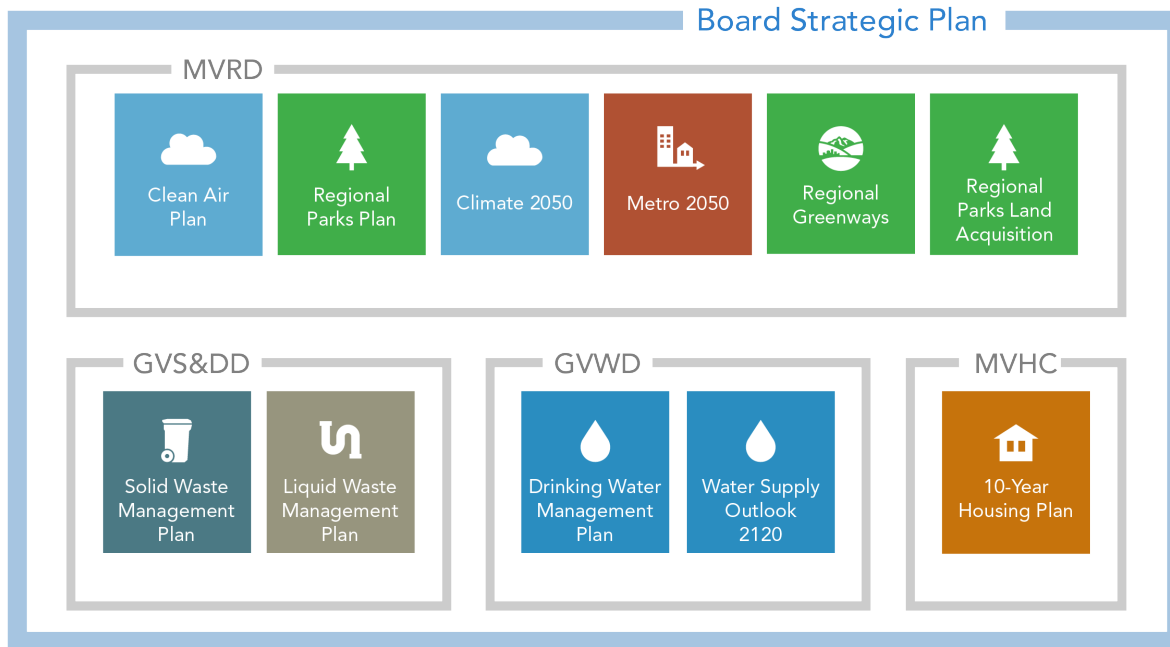
Stephanie Liu

Program Manager, Solid Waste Community Engagement

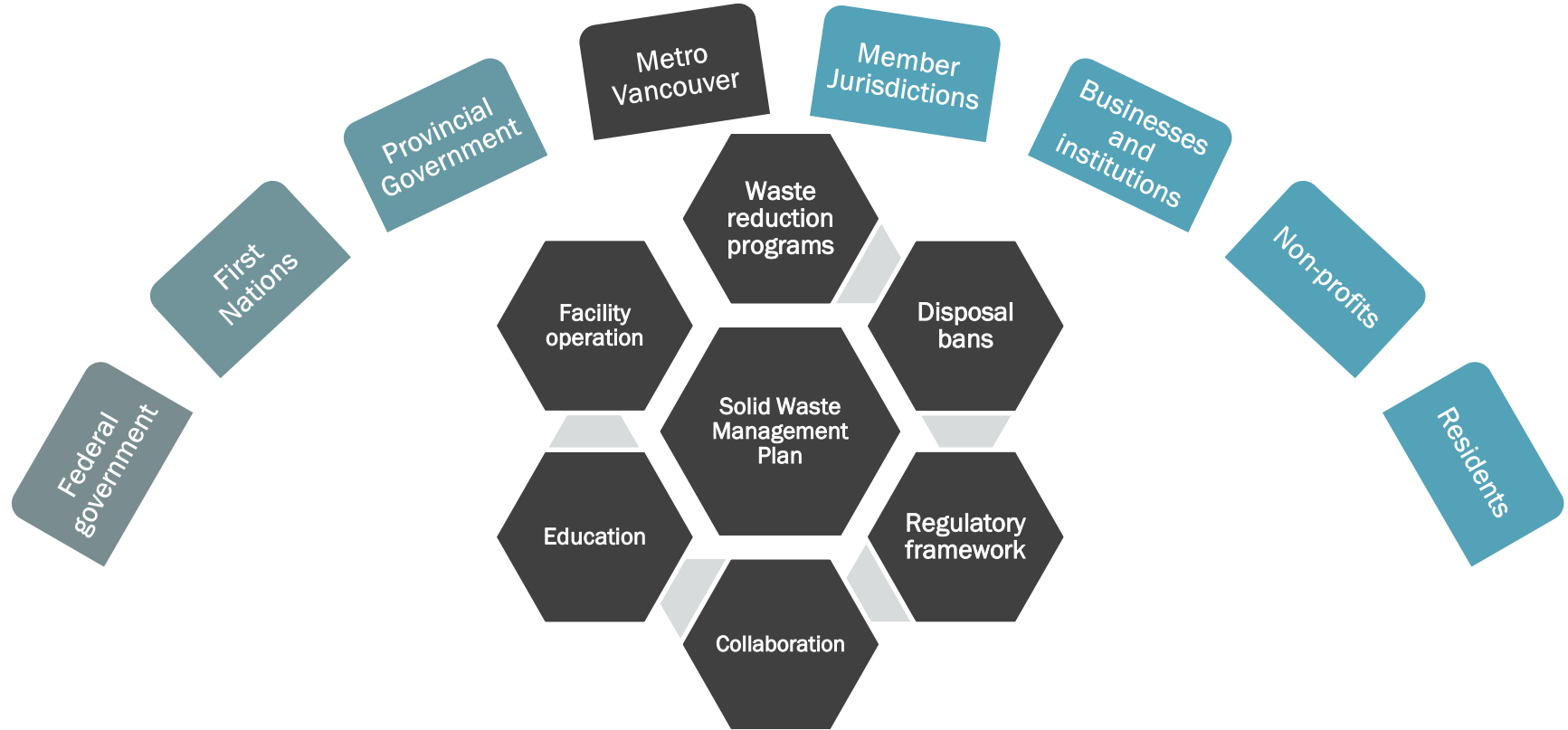
Solid Waste and Recycling Industry Advisory Committee – April 8, 2025

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MANAGEMENT PLANS



ROLES & RESPONSIBILITIES



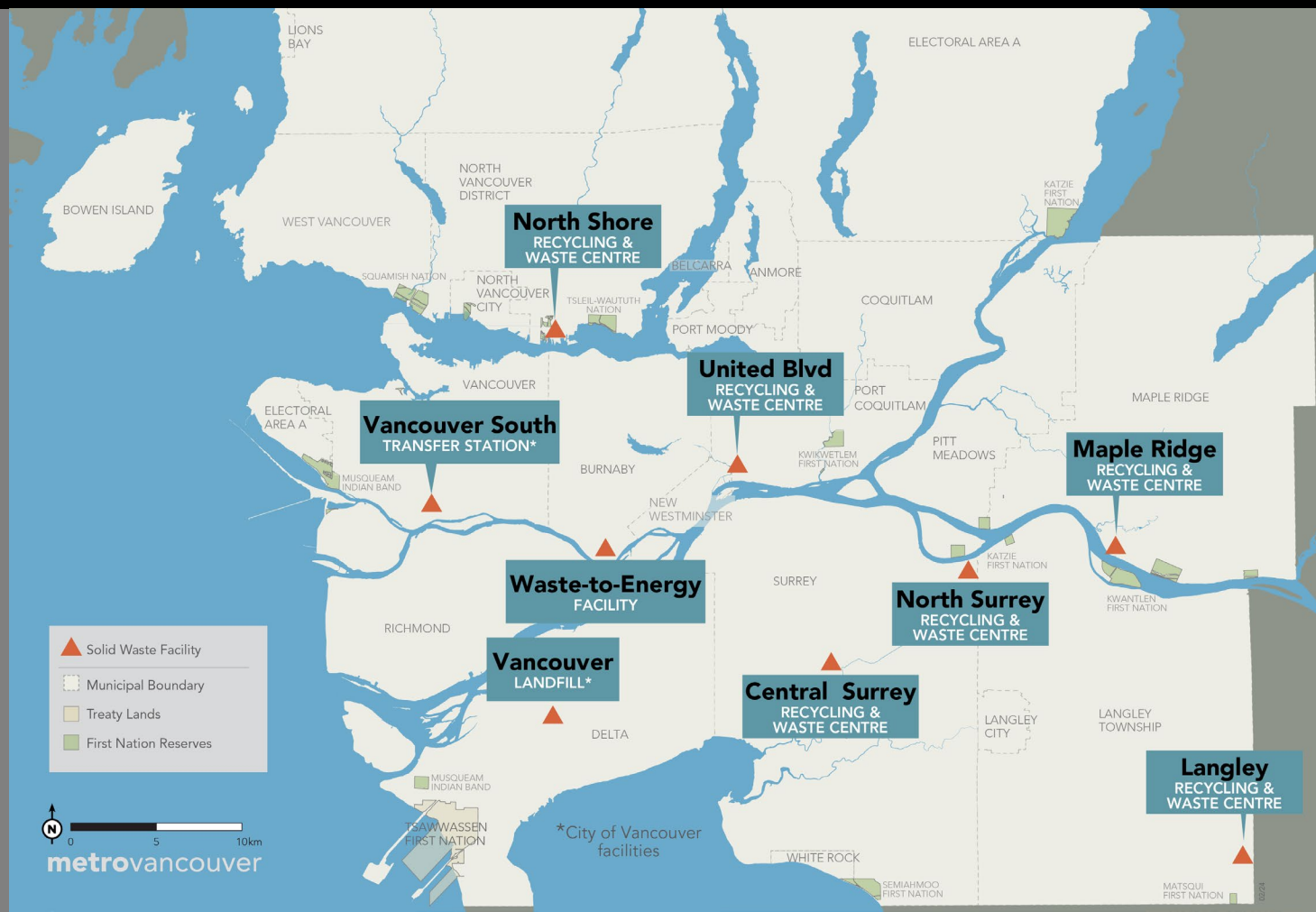


Solid Waste Facility Locations

Responsible for 6 recycling and waste centres, 1 waste-to-energy facility

65% recycling rate

Advance waste prevention and the circular economy



BEHAVIOUR CHANGE CAMPAIGNS

Single-use item reduction
(What's Your Superhabit?)

Food scraps recycling (Food
Scraps Aren't Garbage)

Food waste prevention (Love
Food Hate Waste)

Textiles waste reduction (Think
Thrice)

Holiday waste reduction (Create
Memories, Not Garbage)



ABOUT THE SOLID WASTE MANAGEMENT PLAN

- Priority solid waste strategies, actions, goals, and targets
- Current plan approved in 2011 by the Province
- Required under the *Environmental Management Act*
 - Provincial *Guide to Solid Waste Management Planning*

The new plan will identify how the region can continue to:

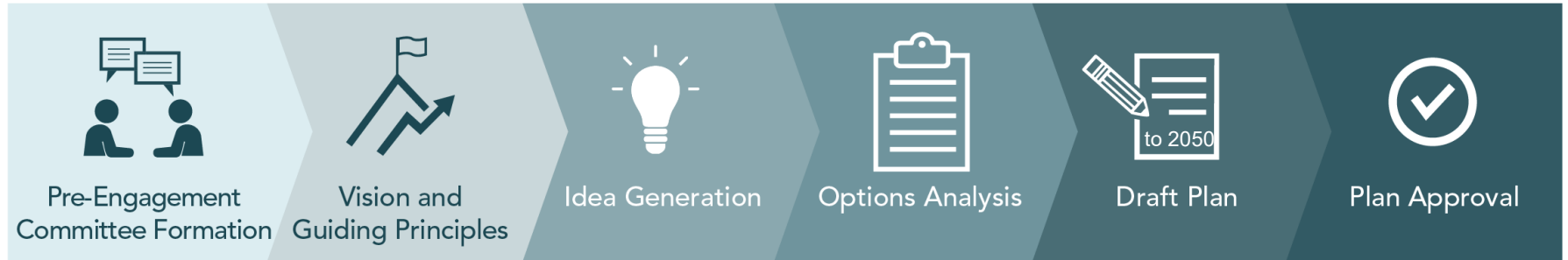
Reduce waste

Increase
reuse and
recycling

Reduce
greenhouse
gas emissions

Work towards
a circular
economy

PROJECT TIMELINE UPDATE



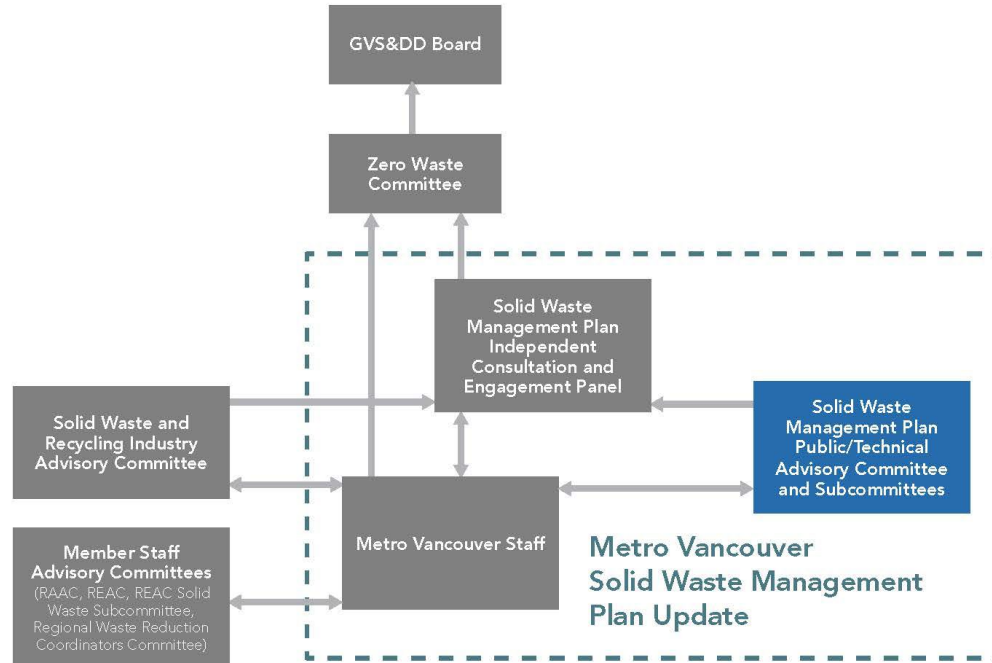
we are here

PLANNING HORIZON

Actions focused on the next 10 years, planning for 2050



GOVERNANCE FRAMEWORK



VISION AND GUIDING PRINCIPLES

Complete

“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.



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



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



Environmental stewardship and climate action.



Inclusive solid waste services and programs.



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



Transparency about what happens to waste and recycling.

IDEA GENERATION

Idea Generation

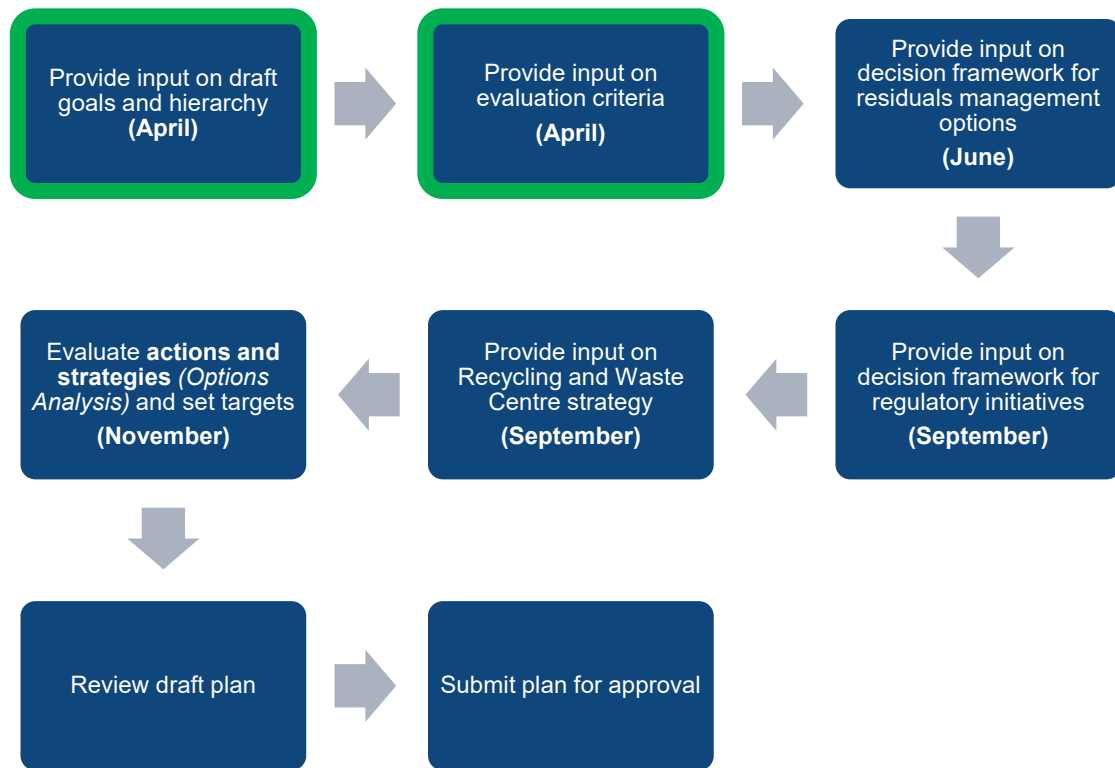
- Seven issue/opportunities discussion question asked to engagement audiences
- Responses captured in feedback log
- Led to development of long list of potential actions

Options Analysis

- Ideas will be narrowed down and evaluated according to criteria discussed with committees



PATH TO DRAFT PLAN – REMAINING STEPS



TODAY'S FEEDBACK SESSION

- Hierarchy
 - What are our priorities?
- Goals
 - What do we want the plan to achieve?
- Metrics
 - How will we measure our progress?
- Evaluation Criteria
 - How will we evaluate options?





Metro Vancouver Skyline

Questions?

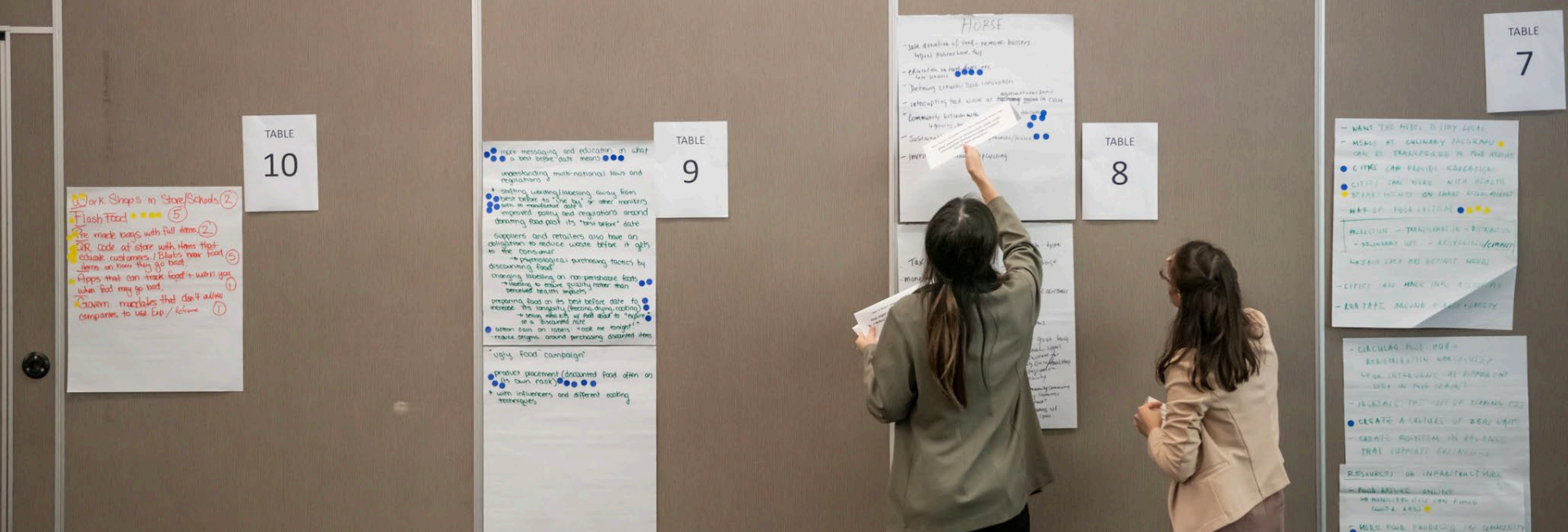
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Items for Discussion

Central Surrey Waste and Recycling Centre





4.1 Solid Waste Management Plan - Goals & Hierarchy

Terry Fulton, P.Eng.

Senior Project Engineer, Metro Vancouver

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PLAN COMPONENTS

Vision & Guiding Principles

- Set the plan direction and reflect fundamental values

Goals

- Long-term aims to be achieved as an outcome of the plan

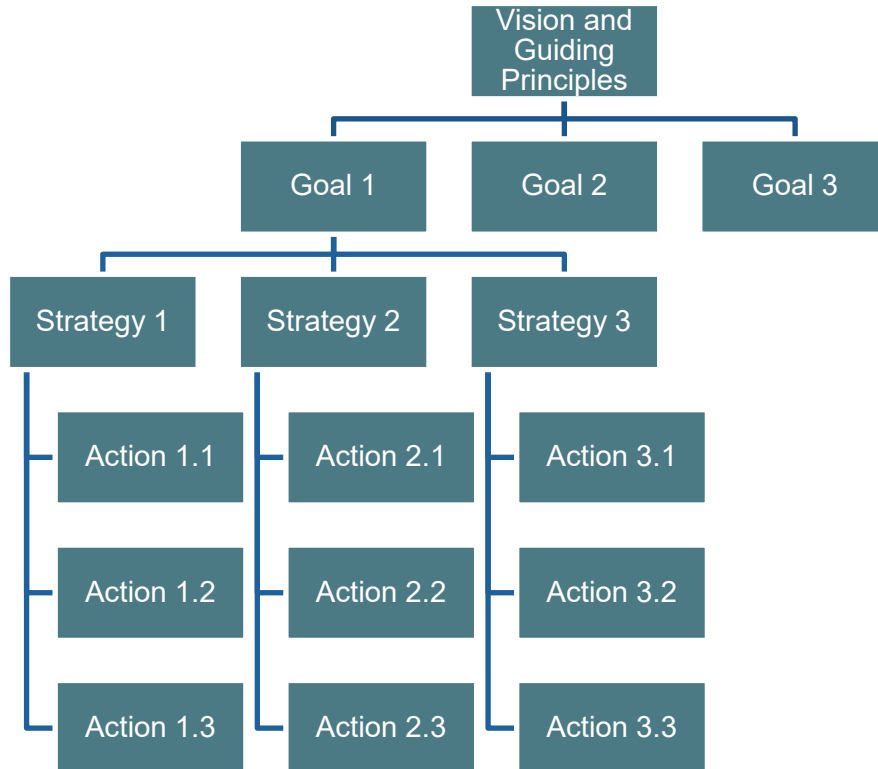
Metrics & Targets

- A way of measuring progress

Strategies & Actions

- Product of idea generation and options analysis

ORGANIZING THE PLAN



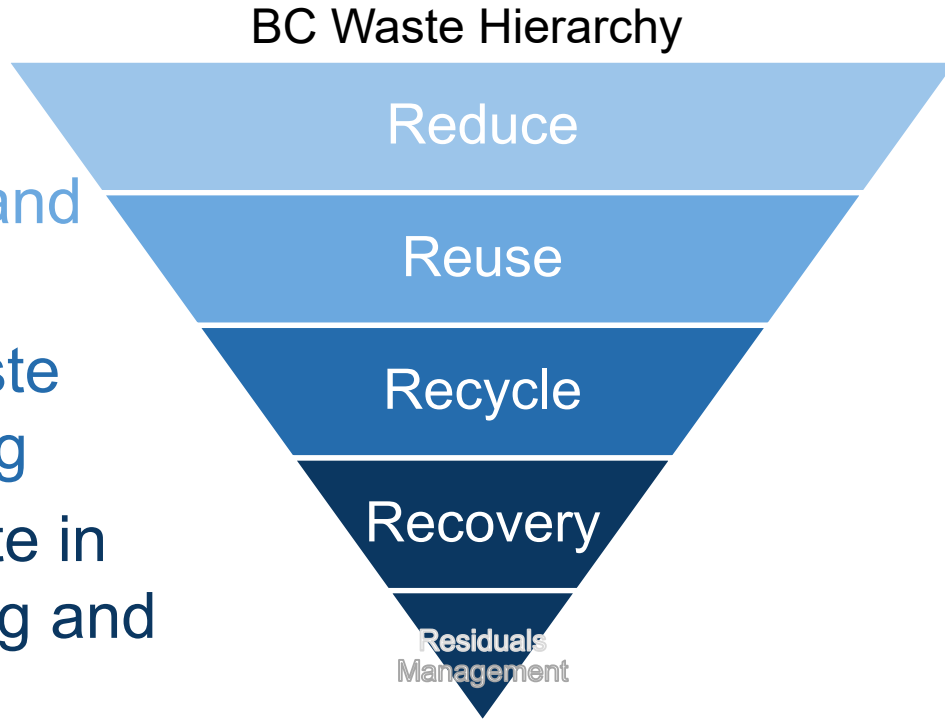
Goals – long term aims to be achieved as an outcome of the plan

Strategies – approaches to accomplish the plan goals

Actions – specific programs, policies and initiatives

2011 PLAN GOALS

1. Minimize Waste Generation
2. Maximize Reuse, Recycling and Material Recovery
3. Recover energy from the waste stream after material recycling
4. Dispose of all remaining waste in landfill, after material recycling and energy recovery

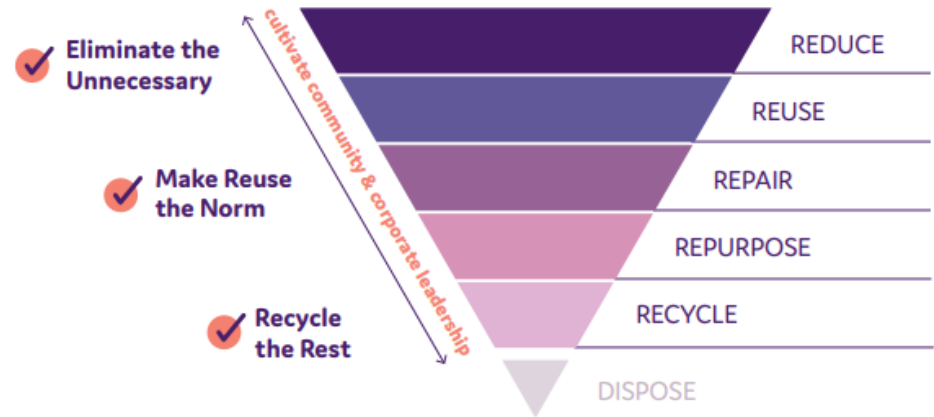


OTHER HIERARCHIES

ZERO WASTE APPROACH FOR VANCOUVER



CITY OF VICTORIA



WHAT WE HEARD

Adopt a more circular model

Don't count fuel as recycling

Prioritize environmental stewardship

Disposal should not be a focus

Keep it simple

Use accessible language

Adopt the zero waste hierarchy

Waste prevention should be a priority

Be careful about definitions

Focus on highest and best use

Do not include waste-to-energy

Expand reduction and reuse

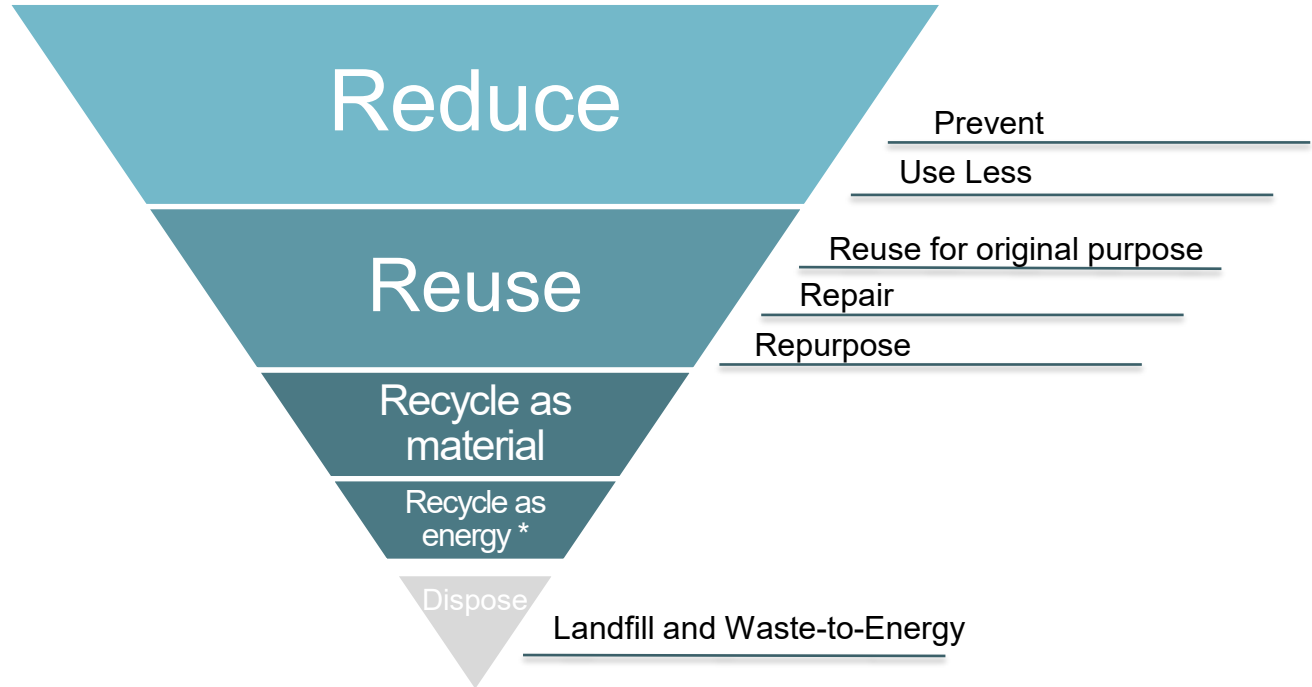
Consider the 9 R's framework

Ensure transparency

Increase recycling efforts

Use an existing standardized hierarchy

DRAFT HIERARCHY



* Recycled as fossil fuel substitutes

DRAFT GOALS

1

Prioritize waste prevention

3

Make it easier to recycle effectively

2

Keep materials in use as long as possible

4

Dispose of remaining garbage responsibly



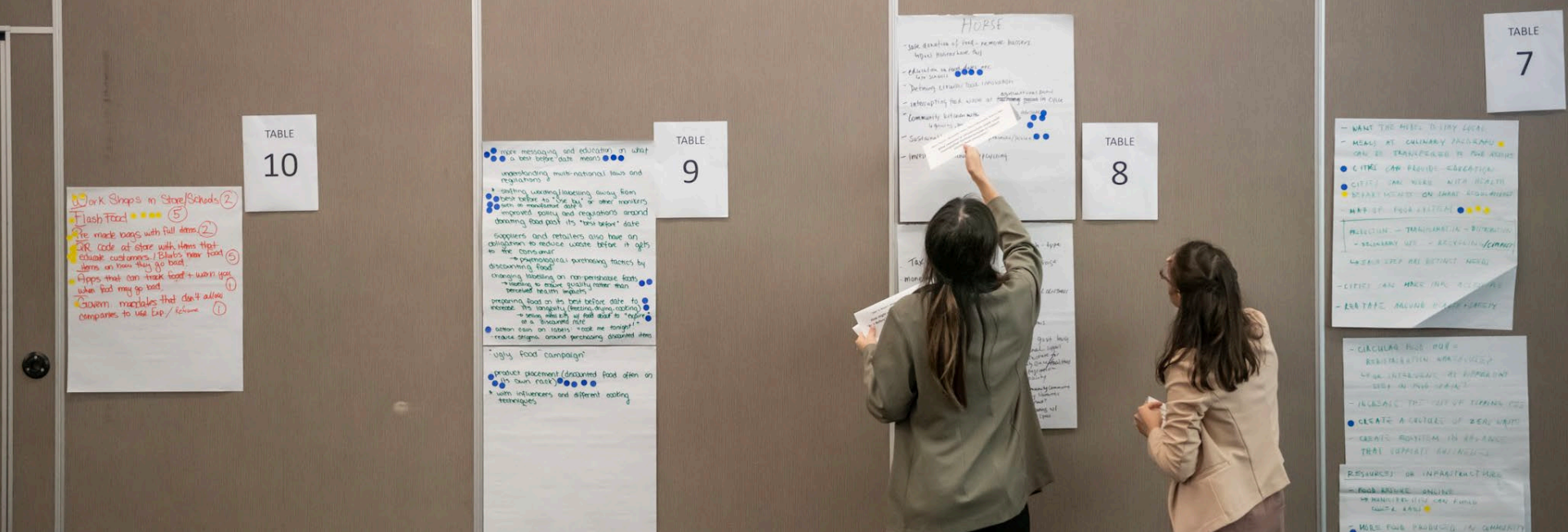
SMALL GROUP DISCUSSION

Draft hierarchy

- Is there anything missing from the draft hierarchy?
- Is there anything that should be changed or removed?
- Any other feedback?

Draft goals

- [illegible]



4.2 Solid Waste Management Plan - Metrics

Lindsay Seidel-Wassenaar, P.Eng.

Project Lead, Sonnevera

Solid Waste and Recycling Industry Advisory Committee – April 8, 2025

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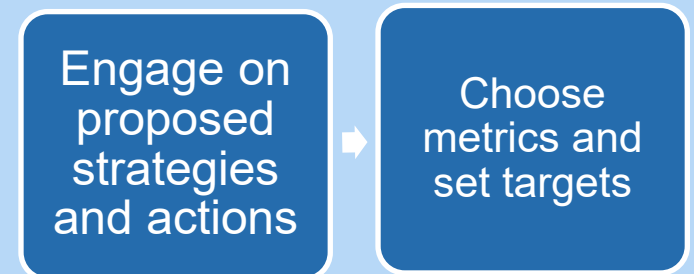
MEASURING PROGRESS TOWARD PLAN GOALS

- Plan progress will be monitored using a suite of metrics:
 - High level primary metrics linked to goals (e.g. disposal rate)
 - Secondary metrics linked to specific strategies (e.g. tonnes food rescued)

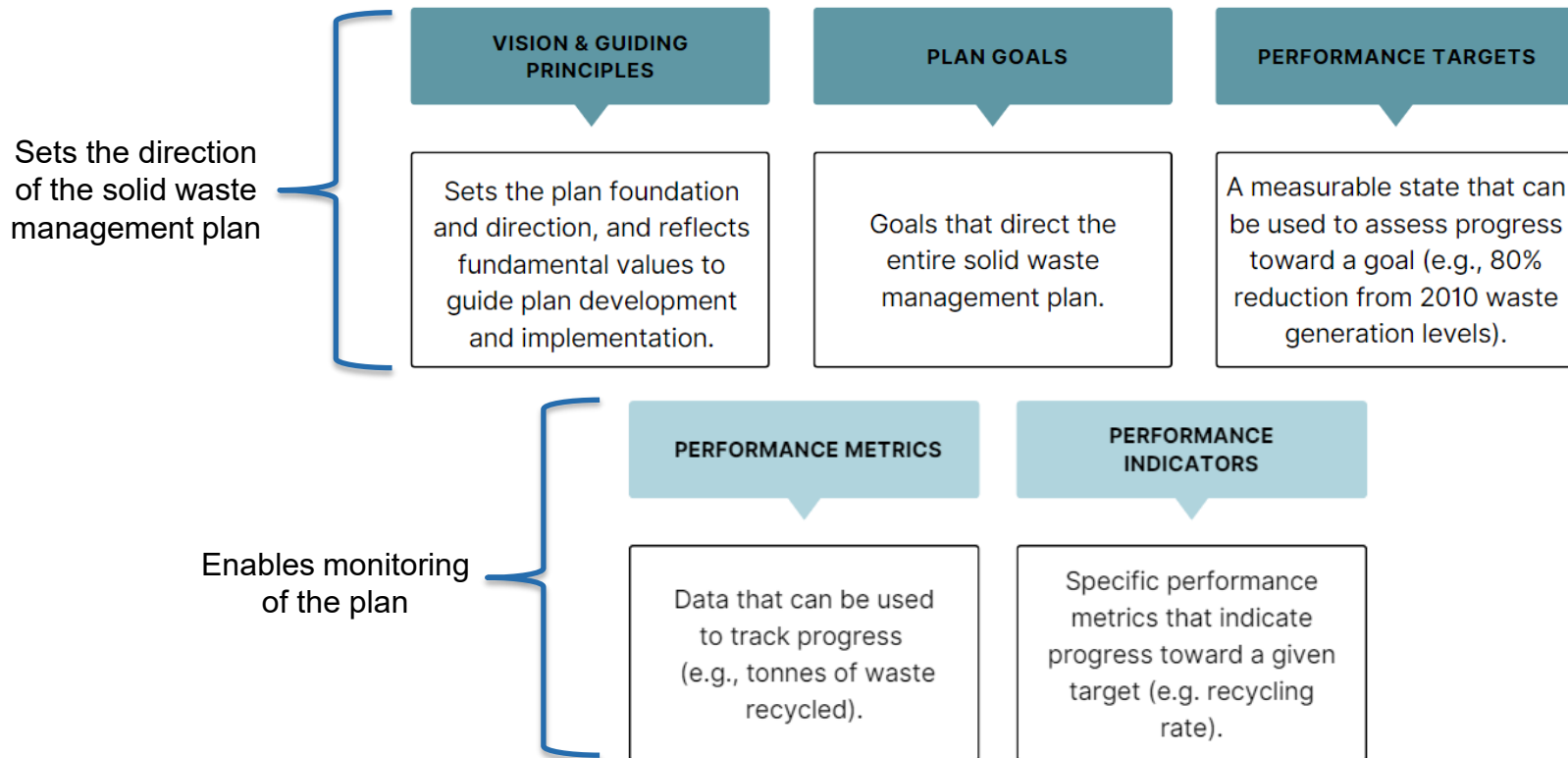
Stantec Performance Metrics Review (Today)



Committee Discussions (Fall 2025)



Developing Metrics and Indicators



Background – Stantec Performance Metrics Review

Work completed to-date:

- Jurisdictional/Organizational scan
- Interviews with jurisdictions and organizations
- Data summary and comparison
- Assessment of metrics against criteria

Performance Metrics Applicability Criteria

Specificity

How specific is the metric?

Data Type

How is the data measured?

Data Quality

Is the data measured or estimated?

Data Source

How frequently is the data measured?

Effort

How many resources does the metric require to measure and/or report on?

Data
Accessibility

Is the data easily accessible or harder to access?

Primary Metrics

The following are recommended primary metrics that Metro Vancouver could use to measure progress toward each goal:

Goal	Metric
All Goals	GHG emission reductions from solid waste initiatives
Prioritize waste prevention	Decrease in tonnes of waste generated per capita
Keep materials in use as long as possible	Increase in tonnes of measurable reuse
Make it easier to recycle effectively	Increase in Recycling rate (Total recycled/total generated)
Dispose of remaining garbage responsibly	Decrease in kg/capita disposal

Secondary Metrics

The following are example secondary metrics that Metro Vancouver could use to measure progress toward each goal:

Goal	Example Metric
Prioritize waste prevention	<ul style="list-style-type: none">– Awareness of prevention practices
Keep materials in use as long as possible	<ul style="list-style-type: none">– # of items repaired at repair events– # of homes relocated– Tonnes of food rescued by local organizations
Make it easier to recycle effectively	<ul style="list-style-type: none">– kg/capita recycling by collection method (curbside/depot) and sector– Contamination rate of recycling streams– Recycling program participation rates
Dispose of remaining garbage responsibly	<ul style="list-style-type: none">– % of waste generated sent to disposal– # of cases of illegal dumping– Direct GHG emissions from disposal

Next Steps

Finalize performance metrics report with recommended primary metrics



Publish draft report and distribute to advisory committees for feedback



Use report to inform discussions on targets once options are analyzed



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Questions?

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4.3 Options Analysis Criteria and Process

EVALUATION CRITERIA AND RUBRIC FOR ANALYSIS

Karen Storry

Senior Engineer, Solid Waste Services

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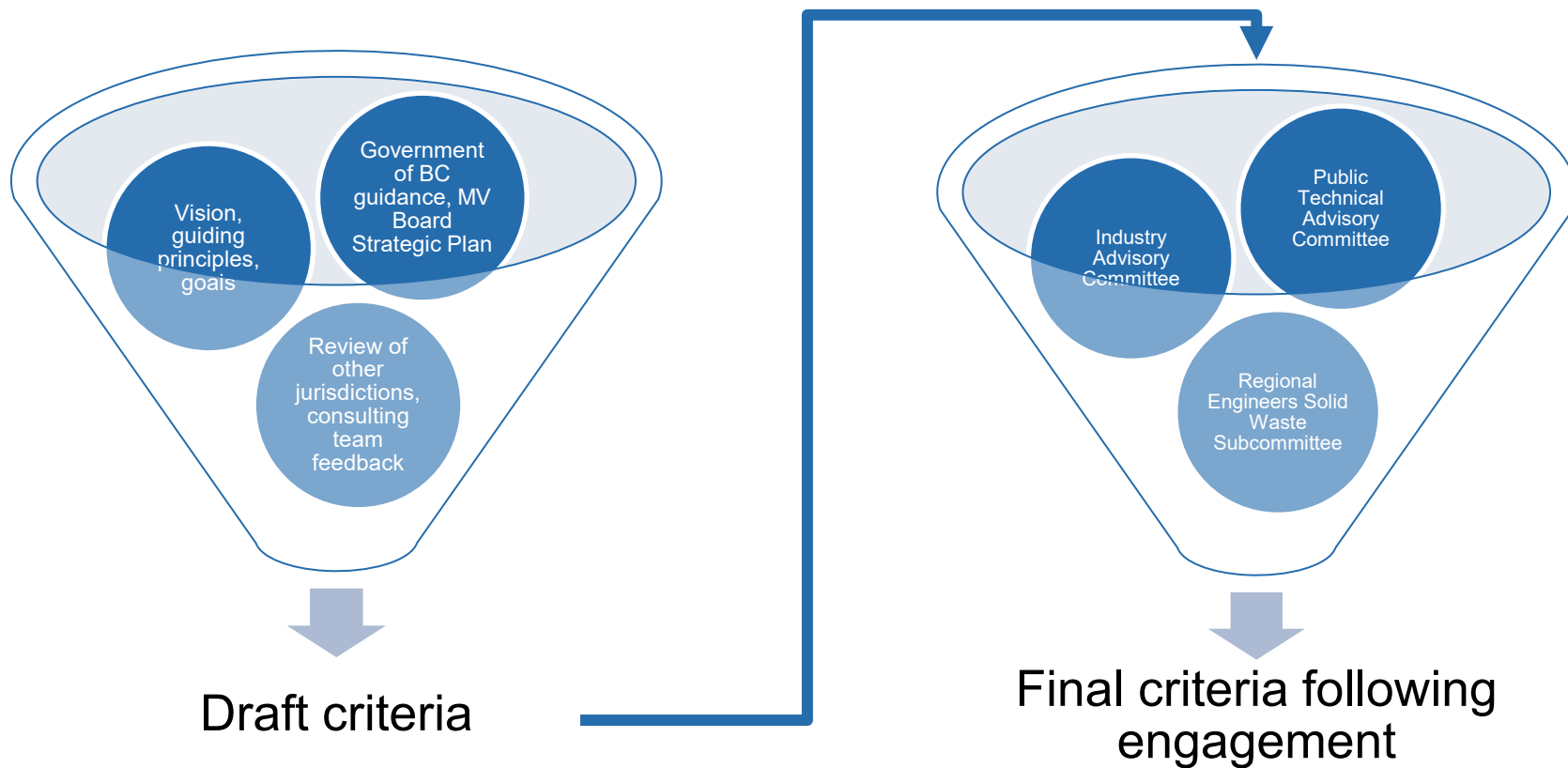
OPTIONS ANALYSIS PHASE

Purpose and Process

Involves evaluating all input from the Idea Generation phase to produce a list of strategy and action options for engagement.



EVALUATION CRITERIA DEVELOPMENT



DRAFT IDEA EVALUATION CRITERIA

For developing options

Economic	Environment	Social	General
<ul style="list-style-type: none">• Affordability• Economic Prosperity• Collaboration• Innovation	<ul style="list-style-type: none">• Circularity• Waste reduction• Greenhouse gas emissions reduction• Resilience• Environmental stewardship	<ul style="list-style-type: none">• Inclusion• Convenience• Community participation• Supports waste prevention habits and actions	<ul style="list-style-type: none">• Practicality of Implementation• Accountability• Transparency• Consistency/harmonization

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Other Business

Georgia Strait view from Cypress

5.1 ZERO WASTE COMMITTEE AND OTHER UPDATES

- No meeting in March – IAC was previously updated on many of the agenda items for April
- Notice of Bylaw Violation Enforcement and Dispute Adjudication
- Single-Use Plastics Reduction Actions
 - Per-capita disposal of SUI in Metro Vancouver has decreased to below 2018 levels
 - Current focus on behaviour change, supporting province-wide regulations, and increasing reuse at public events and venues.

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Co-Chair Election

Jericho Beach



6.1 MEMBER CO-CHAIR ELECTION

- The Co-Chair will be elected for a term of one year by a 50%+1 majority vote of voting members present.
- Voting members are defined as IAC members who have held membership for at least one month prior to the day of the vote.
- Lori Bryan was nominated at the March meeting.
- Nominations will be called today for any additional nominations before we proceed with the election.

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Information Items



INFORMATION ITEMS

- 7.1 Regional Waste Flows
- 7.2 2025 IAC Meeting Schedule
- 7.3 2025 IAC Work Plan
- 7.4 IAC 2025 Draft Committee Member Biographies



Vancouver Skyline

Thank you

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