



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

**Tuesday, January 7, 2025
2:00 pm – 4:00 pm
Virtual Zoom meeting
A G E N D A**

1. AGENDA

1.1 January 7, 2025 Meeting Agenda

2. MINUTES

2.1 November 5, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Notice of Bylaw Violation Engagement – Tipping Fee Bylaw Provisions

For information/feedback

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

3.2 Draft 2023 Recycling and Garbage Statistics

For information/feedback

Designated Speaker: Kelly Du, Project Engineer, Metro Vancouver Solid Waste Services

4. INDUSTRY ADVISORY COMMITTEE 2025 KEY TOPICS AND WORK PLAN DEVELOPMENT

For input/feedback

- *Review list of potential key topic areas for 2025.*
 - *Does this list represent the topics you want to focus on in 2025?*
 - *Is anything missing?*

5. NEXT STEPS

5.1 2025 IAC Call for Membership Submissions – February 2025

For information

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



5.2 2025 Committee Meeting Dates

For information

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

6. OTHER BUSINESS

6.1 Zero Waste Committee and Other Updates

For information

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

6.2 Concrete and Asphalt Recycling Options Webinar

For information

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

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 2025 Draft work plan topics

7.3 2025 Meeting Schedule

7.4 Letter to Minister of Environment and Parks - Expanding Product Categories in Extended Producer Responsibility

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	Johnson, Gord – Northstar	Pantazopoulos, Dimitri – Waste Connections of Canada
Bryan, Lori – Waste Management Association of BC	Kaminski, Jamie – HSR Zero Waste	Prasad, Shad – Cascade Recovery +
Collins, James – Tymac Launch Service Ltd.	Kawakami, Sean – Convertus Canada Ltd.	Scaldeferri, Fabio – Pacific Mattress Recycling Inc.
Crawford, Jeremy – Waste Control Services	Kiani, Aiden – Lock-Block Ltd.	Skei, Dayton – Evergen Infrastructure Corp.
Deol, Harwant – Super Save Group	Koehn, Leanne – Ridge Meadows Recycling Society	Sigmund, Sandy – Encorp Pacific Canada, Return-It
Dietrich, Christian – Ecowaste Industries	Lannin, Mike – Super Save Group	Turner, John – BC Biocarbon Ltd.
Furtado, Glen – Cement Association of Canada	MacNeil, Patrick – Wescan Disposal Ltd.	Van de Wetering, Jasper – Heidelberg Materials Canada Ltd.
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.	Young, Stewart, GFL Environmental Inc.
Jessa, Imran – Delta Textiles Exporters Inc.	McAra, Matthew – GFL Environmental Inc.	Zarbl, Michael - Major Appliance Recycling Roundtable
	McRae, Ralph – Revolution Infrastructure Inc.	
	Millman, David – Waste Management of Canada Corp.	
	Moucachen, Maya – Merlin Plastics	

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver	Joy, Samantha - Metro Vancouver	Mizan, Zeenia – Metro Vancouver
Belanger, Lynn – City of Vancouver	Liu, Stephanie – Metro Vancouver	Underwood, Chris – Metro Vancouver
Henderson, Paul – Metro Vancouver	McDermott, Jon – City of 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, November 5, 2024, virtual Zoom meeting.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)	Aiden Kiani, Lock-Block Ltd.
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)	Leanne Koehn, Ridge Meadows Recycling Society
Izzie Abrams, Waste Connections of Canada	Mike Lannin, Super Save Group
Jeremy Crawford, Waste Control Services	Angus MacFarlane, Growing City
James Collins, Tymac Launch Service Ltd.	Patrick MacNeil, Wescan Disposal Ltd.
Happy Deol, Super Save Group	Achilles Mallari, Sierra Waste Services Ltd.
Christian Dietrich, Ecowaste Industries	David Millman, Waste Management of Canada Corp.
Glen Furtado, Cement Association of Canada	Dimitri Pantazopoulos, Waste Connections of Canada
Grant Hankins, Canada Minibins.com Ltd.	Shad Prasad, Cascade Recovery + Dayton Skei, EverGen
Josh JansenVandoorn, Anaconda Systems Ltd.	John Turner, BC Biocarbon Ltd.
Gord Johnson, Northstar	Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Jamie Kaminski, HSR Zero Waste	Pinky Vargas, Republic Services
Sean Kawakami, Convertus Canada Ltd.	

MEMBERS ABSENT:

Imran Jessa, Delta Textiles Exporters Inc.	Sandy Sigmund, Encorp Pacific Canada, Return-It
Matthew McAra, GFL Environmental Inc.	Stewart Young, GFL Environmental Inc.
Ralph McRae, Revolution Infrastructure Inc.	Michael Zarbl, Major Appliance Recycling Roundtable
Maya Moucachen, Merlin Plastics	
Fabio Scaldaferrri, Pacific Mattress Recycling Inc.	

METRO VANCOUVER STAFF PRESENT:

Brooke Atkinson, Senior Engagement Specialist	Samantha Joy, Engagement Specialist, Metro Vancouver
Chris Clarke, Engagement Specialist, Metro Vancouver	Stephanie Liu, Program Manager Community Engagement, Solid Waste Services
Nanette van Doorn, Communications Coordinator, Solid Waste Services	Terry Fulton, Senior Project Engineer, Metro Vancouver
Paul Henderson, General Manager, Metro Vancouver	Zack Ha, Administrative Assistant, Metro Vancouver

PREPARATION OF MINUTES: Priya Kullar, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

November 5, 2024

2:00 PM – 4:00 PM

Virtual, Zoom Meeting

Agenda

1. Agenda
 - 1.1. November 5, 2024, Meeting Agenda
2. Minutes
 - 2.1. October 8, 2024, Meeting Minutes
3. Reports and Items for Discussion
 - 3.1. Developing Goals and Targets for an Updated Plan
For information
Designated Speaker: Terry Fulton, Senior Project Engineer, Solid Waste Services
 - 3.2. Solid Waste Management Plan Update – Performance Metrics Review
For information/feedback
Designated Speaker: Lyndsay Seidel-Wassenaar, Project Lead, Sonnevera
Small group and plenary discussions proposed questions:
 - *What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?*
 - *How do you see the waste and recycling industry being involved?*
 - *What types of information/data could the recycling and waste industry reasonably provide?*
 - 3.3. 2025 IAC Draft Work Plan Development
For input/feedback
Designated Speaker: Lori Bryan, IAC Co-Chair
Plenary discussion proposed question:
 - What are some potential topics the committee could focus on in 2025?
4. Other Business
 - 4.1. Zero Waste Committee and Other Updates
For information
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
 - 4.2. 2025 Meeting Dates (Tentative)
For information/feedback
Designated Speaker: Samantha Joy, Engagement Specialist, Solid Waste Services
5. Information Items
 - 5.1. Regional Waste Flows
 - 5.2. 2024 Work Plan
 - 5.3. 2025 Draft Meeting Schedule

MEETING MINUTES

Co-Chair, Director Craig Hodge, called the meeting to order at 2:06 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee (Industry Advisory Committee) meeting.

Co-Chair Hodge noted that the meeting was being live streamed, and a public record of the meeting would be posted to the website.

1. AGENDA

1.1 November 5, 2024, Meeting Agenda

Co-Chair Hodge reviewed the November 5, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 October 8, 2024, Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of October 8, 2024. There were no changes or additions to the meeting Minutes of October 8, 2024.

It was noted that a feedback summary from the October meeting has been published to the Industry Advisory Committee webpage under the October meeting tab. Anyone experiencing challenges locating the report was encouraged to contact Metro Vancouver staff.

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Developing Goals and Targets for an Updated Plan

Terry Fulton, Senior Project Engineer, Solid Waste Services, shared a presentation titled, “Developing Goals and Targets for an Updated Plan”. The purpose of this presentation was to provide goals and context to frame the discussion on performance metrics questions that followed. The presentation highlighted the following:

- A summary of the plan components
- BC Waste Hierarchy vs. other hierarchies (which de-emphasize disposal)
- Considerations for updated targets
- Previous feedback on performance metrics
- Conceptual goals

3.2 Solid Waste Management Plan Update – Performance Metrics Review

Lyndsay Seidel-Wassenaar, Project Lead, Sonnevera, shared a presentation titled, “Performance Metrics Study Update”. The highlights from the presentation include:

- Considerations for developing metrics
 - When selecting metrics, it is important to consider the key purpose of tracking information
 - Several metrics will be required to properly review and analyze different trends
- Summary of performance metrics project scope
- Considerations for developing a performance metrics applicability criteria
- Examples of performance metrics from a jurisdictional review

Lyndsay Seidel-Wassenaar shared that the next steps include continuation of this work over the next few months and to review with Metro Vancouver.

Co-Chair Hodge advised that attendees would be placed into smaller groups for the breakout discussions. Before proceeding to the breakout rooms, attendees were asked if they had any questions about the presentation that was just shared. The following questions and *responses* were provided:

- Why was Richmond used as a comparable jurisdiction when they are part of Metro Vancouver?
 - *Richmond had specific examples and areas that they are leading in (construction waste for example) that warranted more inquiry. In addition, we looked at cities outside of the Lower Mainland (e.g. Victoria) and other areas in North America and Europe.*
 - *Committee members were encouraged to share other jurisdictions that should be included in the research.*
- In the previous presentation shared by Terry Fulton, there was a list of concerns and considerations outlined. At what point are we addressing those and/or how will they be followed up to ensure they are addressed?
 - *All the feedback received from the Industry Advisory Committee this year is being considered as input to the solid waste management plan update. In addition, we are reporting to the Zero Waste Committee in November on feedback heard from the Industry Advisory Committee regarding the Generator Levy.*

Three questions were presented for discussion. Industry Advisory Committee members were divided into breakout groups and allocated time in four different roundtable groups, with 20 minutes each, to consider the questions below. Each breakout group included a Metro Vancouver staff note taker.

Questions for consideration:

- *What should Metro Vancouver consider when evaluating potential metrics to include in the updated solid waste management plan?*
- *How do you see the waste and recycling industry being involved?*
 - *What types of information/data could the recycling and waste industry reasonably provide?*

Following the breakout, a representative from each group reported back on key highlights from their discussions. The following comments were either verbally shared in the Zoom meeting or the notes from the breakout session was shared onscreen for all attendees to see.

A summary of feedback from the small group discussions is available in a [separate document posted to the Industry Advisory Committee web page](#).

3.3 2025 IAC Potential Topic Development

Co-Chair, Lori Bryan, shared a presentation titled, “Industry Advisory Committee Draft 2025 Work Plan Development” and provided a review of the different items discussed in 2024.

Committee members were asked the following question for consideration: “What are some potential topics the committee could focus on in 2025?” The following comments were offered:

- Need to determine which waste hierarchy will be used before determining new topics.
- Topics that were suggested, but not included, in 2024’s plan can be revisited for the new plan.

A committee member asked about soil management and why this is not currently a Metro Vancouver solid waste issue?

- *Soil is a material that is not covered in the current Solid Waste Management Plan. Although it is a significant issue in the region looking at soil as a specific issue is considered out of scope*
- *Co-Chair Hodge recommended adding this topic to the list of potential topics for further discussion along with metrics.*

Co-Chair Bryan stated that the next steps include sharing the potential topic areas with attendees in January 2025. IAC members will vote on the work plan in early 2025. Co-Chair Bryan stated that any suggestions on what to include in the 2025 plan can be sent to Metro Vancouver staff for consideration and inclusion.

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

Paul Henderson, General Manager, Solid Waste Services, provided an update on recent discussions and activities of the Zero Waste Committee and reported:

- The Consultation and Engagement Panel terms of reference was updated, which relates to creating a mechanism to add additional members to the panel.
- The Industry Advisory Committee Feedback Summary Report was circulated to the committee two weeks ago and did not receive additional feedback.
- There is a combined Zero Waste Committee and Public/Technical Advisory Committee meeting happening in November. This meeting is part of the engagement process for the Idea Generation phase of engagement for the solid waste management plan update. There are 14 individual presentations; each presenter has five minutes to present and receive questions:
 - The regular Zero Waste Committee meeting is at 1:00 p.m., and public participation meeting will take place at 2:00 p.m.
 - This meeting will be livestreamed, and participants can be viewed online.

4.2 2025 Meeting Dates (Tentative)

Samantha Joy, Engagement Specialist, Solid Waste Services, shared a slide with the tentative meeting dates for 2025. A finalized calendar will be shared in January. Members were reminded that the Co-Chairs can request more or less meetings than what is proposed as per the Terms of Reference.

5. INFORMATION ITEMS

- 5.1 **Regional Waste Flows**
- 5.2 **2024 Work Plan**
- 5.3 **2025 Draft Meeting Schedule**

No questions were raised concerning the Information Items.

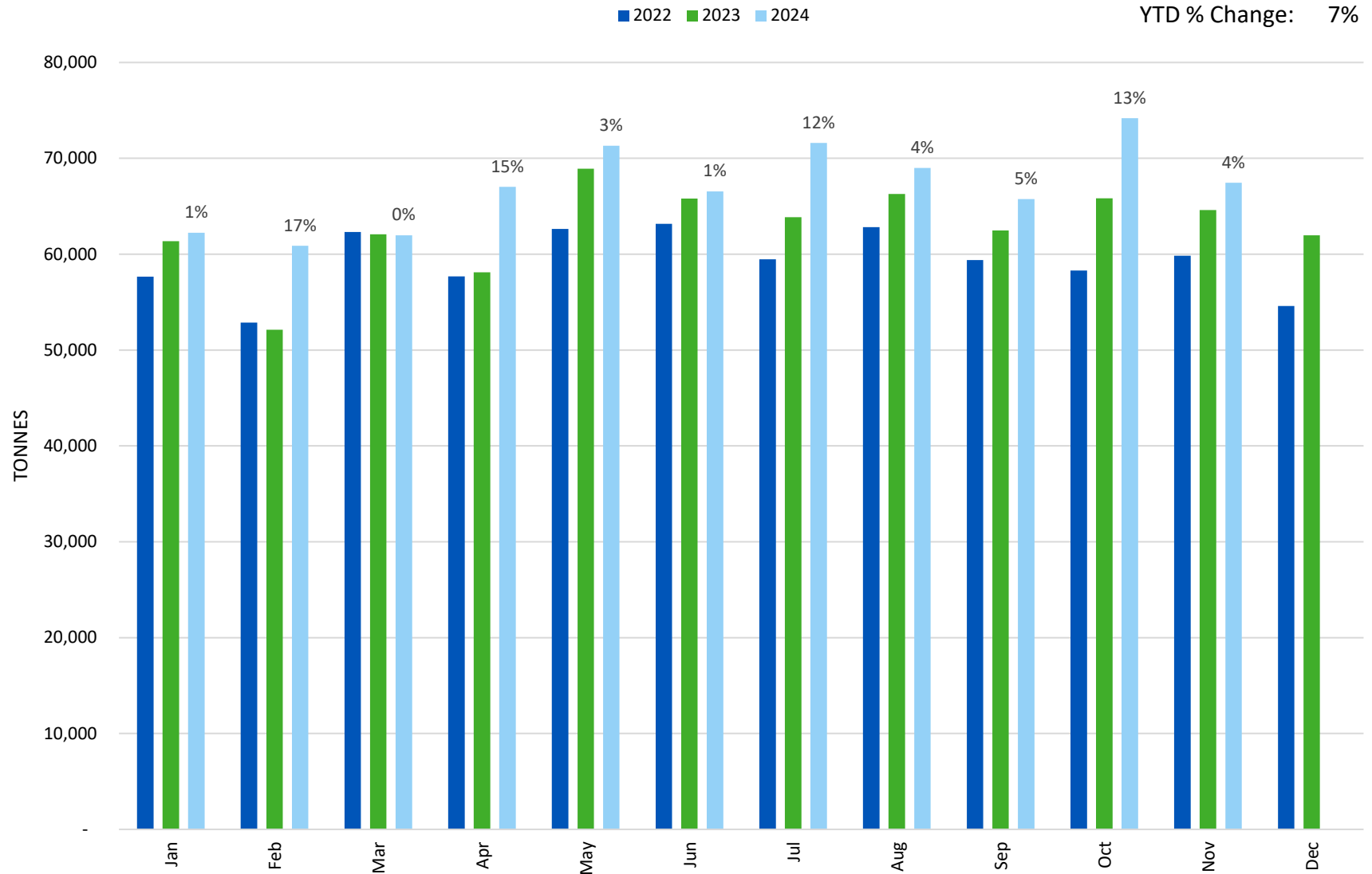
ADJOURNMENT

Co-Chair Hodge advised attendees that the Waste-to-Energy Facility tour is taking place on November 22, 2024. Members can either advise Metro Vancouver staff they will be attending or respond to the calendar invite directly. 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 on January 7, 2025, virtually via Zoom.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:35 p.m.

DRAFT

Metro Vancouver Waste Quantities* 2022 - 2024**



**Data reconciled to Aug 2024

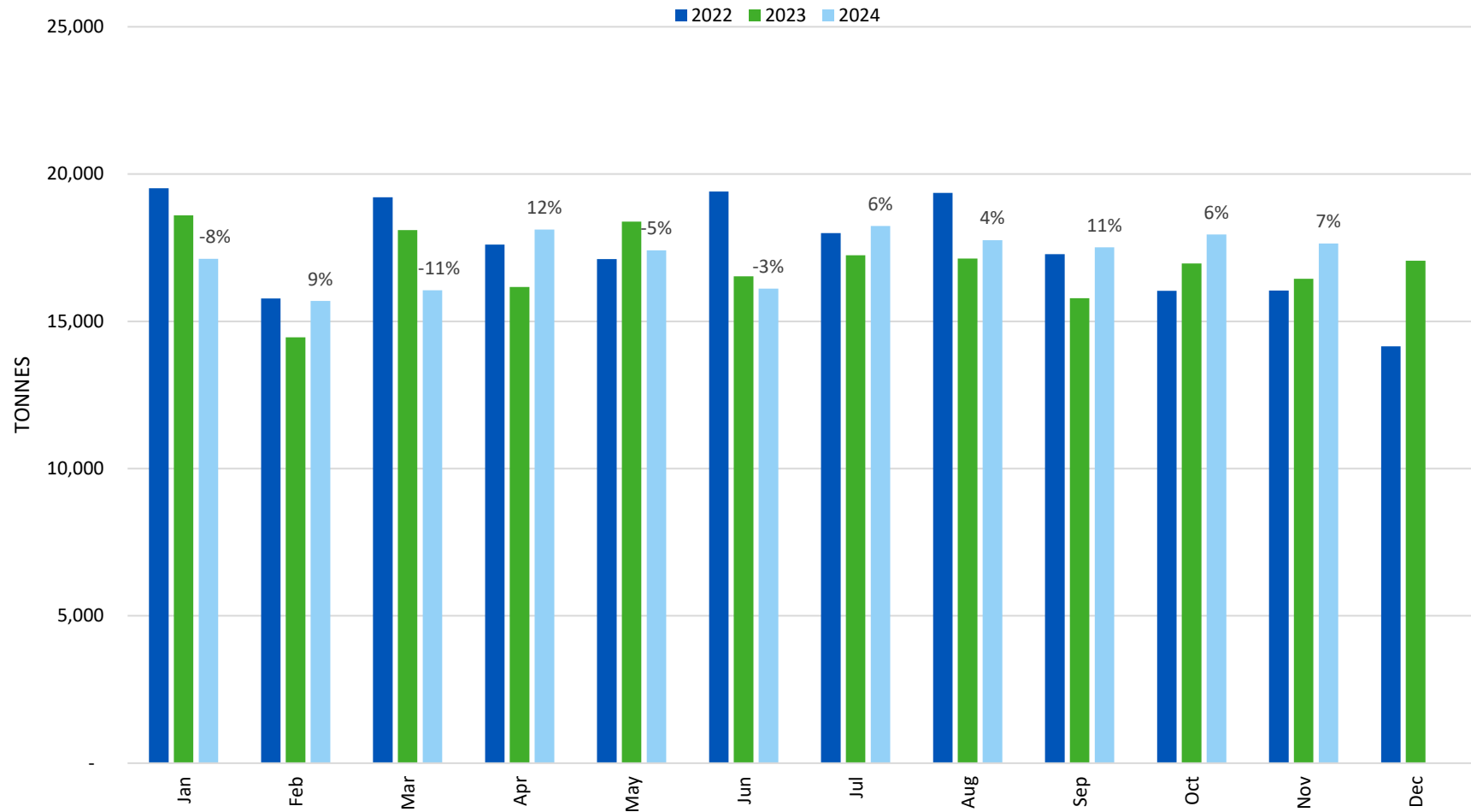
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility

City of Vancouver Waste Quantities*

2022 - 2024

(Demo garbage not included)

YTD % Change: 2%



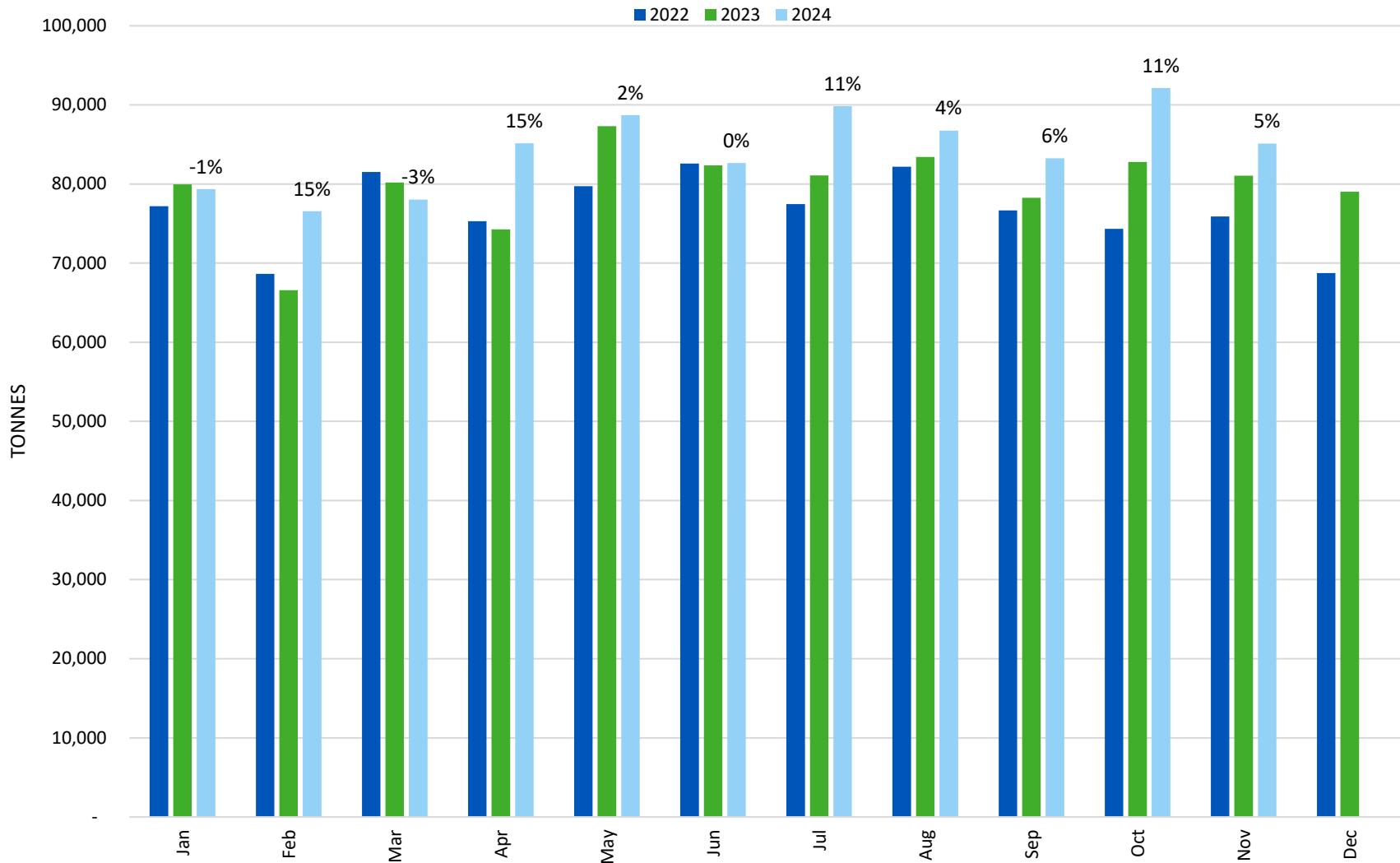
*Vancouver Landfill & Vancouver South Transfer Station

Metro Vancouver and City of Vancouver Waste Quantities

2022 - 2024*

(Demo garbage not included)

YTD % Change: 6%



*Metro Vancouver data reconciled to Aug 2024

Solid Waste and Recycling Industry Advisory Committee 2025 Work Plan – Potential Work Plan Areas

Potential Topic Areas

- Share/Reuse/Repair update
- Public Education – role of public and private entities (2024)
- Solid waste management plan update
 - Adoption of a waste hierarchy and draft goals
 - Feedback on evaluation criteria
 - Idea Generation report back
 - Metrics – targets and performance indicators
 - Options Analysis workshop
 - Regulatory framework
 - Residuals framework (resulting from studies)
- C&D Reduction Update
- Climate 2050 Roadmap
- Soil Management

Annual administrative items on the work plan:

- Call for member submissions (Jan/Feb)
- 2025 work plan vote (Feb)
- Co-Chair Election (Nominations in March and April, vote at April meeting)

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
19	20	21	22	23	24	25
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April						
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June						
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September						
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28	29	30				

December						
Su	Mo	Tu	We	Th	Fr	Sa
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
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

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

November 27, 2024

File: CR-12-01
Ref: SDD 2024 09 27

The Honourable Tamara Davidson, M.L.A.
Minister of Environment and Parks
PO Box 9047 Stn Prov Gov
Rm 112, Parliament Buildings
Victoria, BC V8W 9E2
VIA EMAIL: ENV.Minister@gov.bc.ca

Dear Minister Davidson:

Expanding Product Categories in Extended Producer Responsibility

Congratulations on your appointment as Minister of Environment and Parks. The provincial government's work in advancing reuse, recycling, and the circular economy is critical in reducing waste, reducing greenhouse gas emissions, as well as creating meaningful employment and economic benefit for residents and businesses in British Columbia.

At its September 27, 2024 meeting, the Board of Directors of the Greater Vancouver Sewerage and Drainage District (GVS&DD) passed the following resolution:

That the Greater Vancouver Sewerage & Drainage District Board write to the Minister of Environment and Climate Change Strategy, requesting that updates to the B.C. Recycling Regulation be expedited to include mattresses, compressed canisters, fire extinguishers, medical sharps, and other products to ensure these materials can be included in the provincial extended producer responsibility program as soon as possible.

Since the Ministry of Environment and Climate Change Strategy's announcement in 2021, Metro Vancouver and member jurisdictions have been eagerly awaiting the addition of new product categories to the *B.C. Recycling Regulation* and the creation of new extended producer responsibility programs to be implemented by 2025. Mattresses, compressed canisters, fire extinguishers, medical sharps, and other priority products have previously been identified by local governments, through research studies, Ministry of Environment and Climate Change Strategy consultation events, and Union of BC Municipalities resolutions.

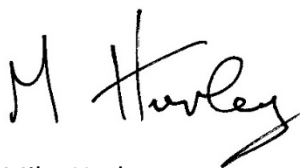
71076251

Moderately hazardous products, such as emerging electronics and electric vehicle batteries and other products like mattresses and foundations, are problematic and costly for local governments to manage at end-of-life. Delays in the implementation of extended producer responsibility programs for these priority product categories mean costs continue to be borne by local governments rather than the producers and consumers of these products. For example, Metro Vancouver member jurisdiction large-item pick-up programs and illegal dumping clean-up costs exceeded \$6 million in 2023. Garbage tipping fees at Metro Vancouver solid waste facilities continue to subsidize the cost of mattress recycling by more than \$1 million per year. The subsidy allows for reduced mattress recycling fees to encourage residents to use the service rather than illegally dumping mattresses and box springs.

In summer 2024, Ministry staff informed Metro Vancouver staff and other interested parties that updates to the *B.C. Recycling Regulation* to include mattresses, compressed canisters, fire extinguishers, medical sharps, and other products were delayed. Consequently, these products will not be regulated as part of extended producer responsibility in 2025 as originally communicated. This delay means significant costs continue to be borne by local governments and ratepayers beyond 2025, and more of these materials will be disposed of rather than recycled. Metro Vancouver urges the Ministry of Environment and Parks to expedite amendments to the *B.C. Recycling Regulation* to include mattresses, compressed canisters, fire extinguishers, medical sharps, and other priority products.

Please let us know how Metro Vancouver can support with advancing extended responsibility programs or other provincial initiatives to reduce waste. We appreciate your attention to this matter and would be pleased to discuss any aspect of our letter with you at your convenience. Ministry staff are welcome to contact Paul Henderson, General Manager, Solid Waste Services, by phone at 604-432-6400 or by email at paul.henderson@metrovancover.org.

Yours sincerely,



Mike Hurley
Chair, Metro Vancouver Board



Sarah Kirby-Yung
Chair, Zero Waste Committee
Metro Vancouver

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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 – January 7, 2025
2. Minutes – November 5, 2024
3. Reports and Items for Discussion
4. Industry Advisory Committee 2025 Work Plan
5. Next Steps
6. Other Business
7. Information Items

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Reports and Items for Discussion

Central Surrey Waste and Recycling Centre





Vehicle approaching weigh scale

Notice of Bylaw Violation Bylaw – Tipping Fee Bylaw Provisions

Paul Henderson

General Manager, Solid Waste Services

Solid Waste and Recycling Industry Advisory Committee, January 7, 2024

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NOTICES OF BYLAW VIOLATION

- Notices of Bylaw Violations are an administrative compliance promotion tool available to local governments:
 - Penalty amounts up to \$500 per offence
 - Discounts for early payment and surcharges for late payment
 - Independent dispute adjudication process

METRO VANCOUVER NOTICE OF BYLAW VIOLATION HISTORY

- Notice of Bylaw Violation bylaws in place for MVRD and member jurisdictions
- April 2023: GVS&DD and GVWD were granted authority to develop Notice of Bylaw Violation bylaws
- May 2024: Notice of Bylaw Violations in place for liquid waste bylaws
- July 2024: Notice of Bylaw Violations in place for GVS&DD Bylaw 181 (solid waste facility licensing bylaw)

TIPPING FEE BYLAW NOTICE OF BYLAW VIOLATION PROVISIONS

- Initiating engagement on the development of Notice of Bylaw Violations for Tipping Fee Bylaw, including generator levy requirements



United Boulevard Recycling and Waste Centre

NEXT STEPS



Trucks unloading at the United Boulevard Recycling and Waste Centre



Thank you

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United Boulevard Recycling and Waste Centre

2023 Annual Report

INTEGRATED SOLID WASTE AND RESOURCE MANAGEMENT PLAN PROGRESS

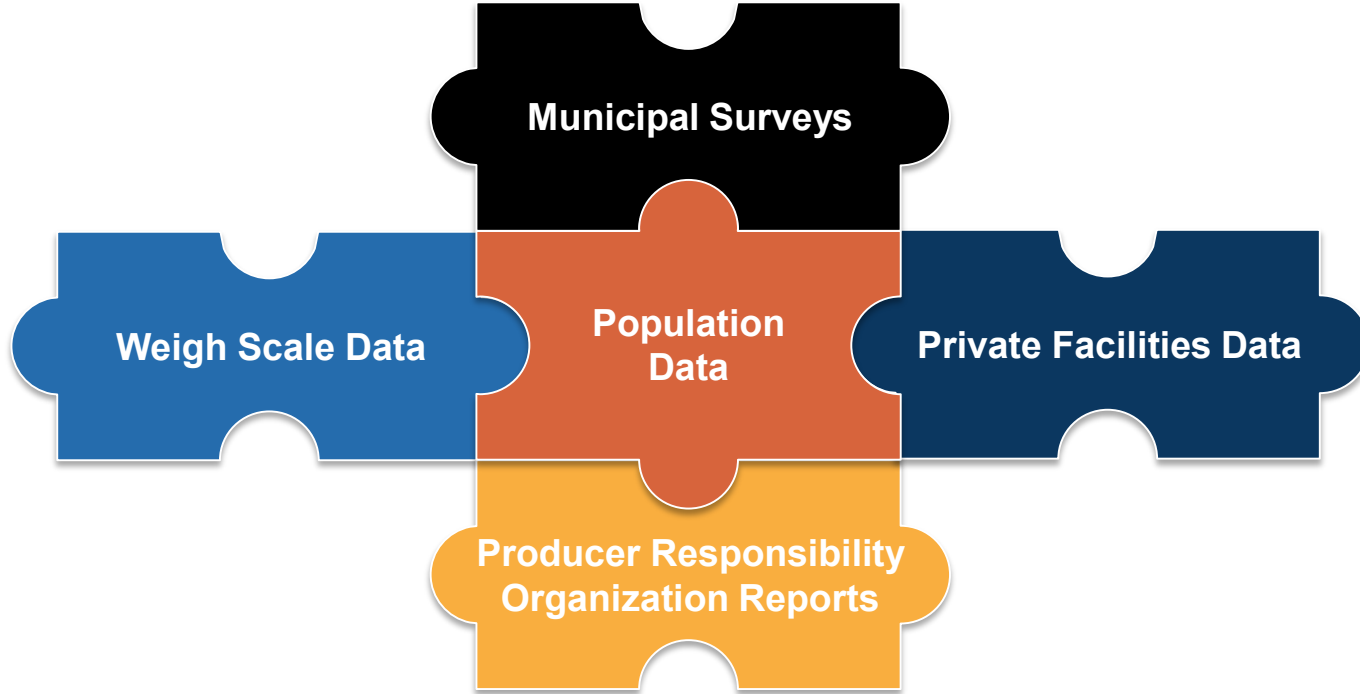
Kelly Du, P.Eng

Project Engineer, Solid Waste Services

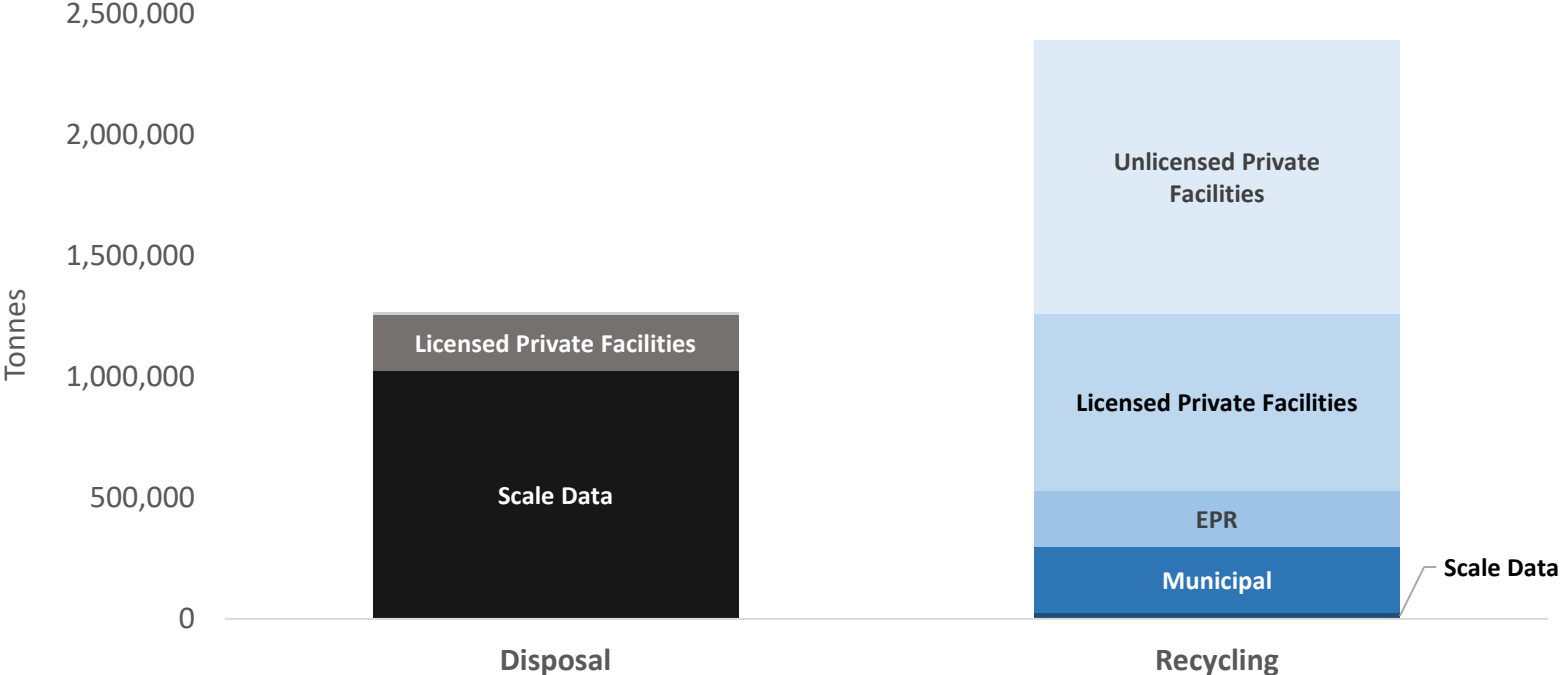
Solid Waste and Recycling Industry Advisory Committee meeting - January 7, 2025

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RECYCLING STATISTICS INFORMATION SOURCES



DATA SOURCES



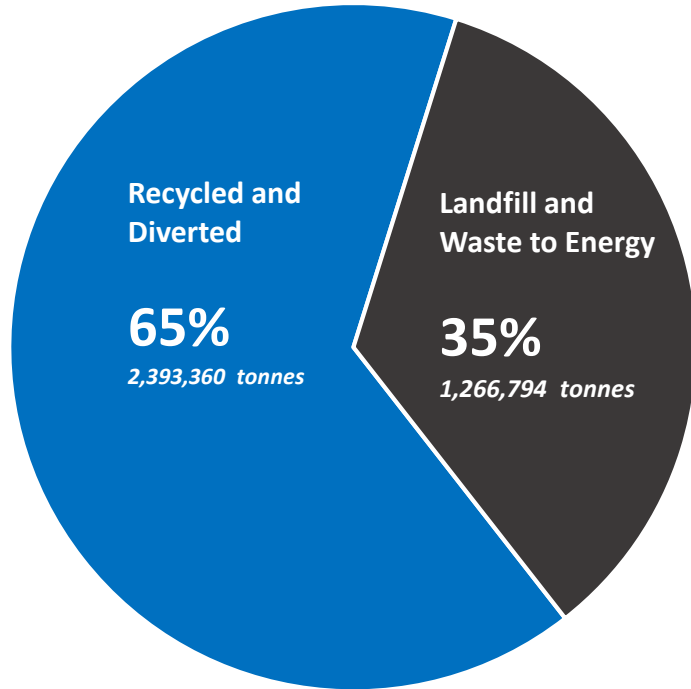
WHAT IS INCLUDED

Facility or Material Type	How it's incorporated
Waste-to-Energy Facility	Counted as disposal except for metals recovered for recycling
EPR Materials	Residuals counted as disposed where reported by stewards
Composting Facilities	Residuals counted as disposed for facilities within Metro Vancouver
Material Recovery Facilities	Residuals counted as disposed, outbound materials sent for processing counted as recycling, including material used as fuel substitutes
Processing Facilities	Residuals counted as disposed for facilities within Metro Vancouver

WHAT IS NOT INCLUDED

- Agricultural Waste
- Industrial Waste
- Forestry Waste
- Water and Wastewater Treatment Plant Residuals
- Material Managed On-Site (e.g. Backyard composting)
- Excavation Soils
- Landfill Cover Material
- Scrap Metal from yards or automotive recycling

RECYCLING RATE



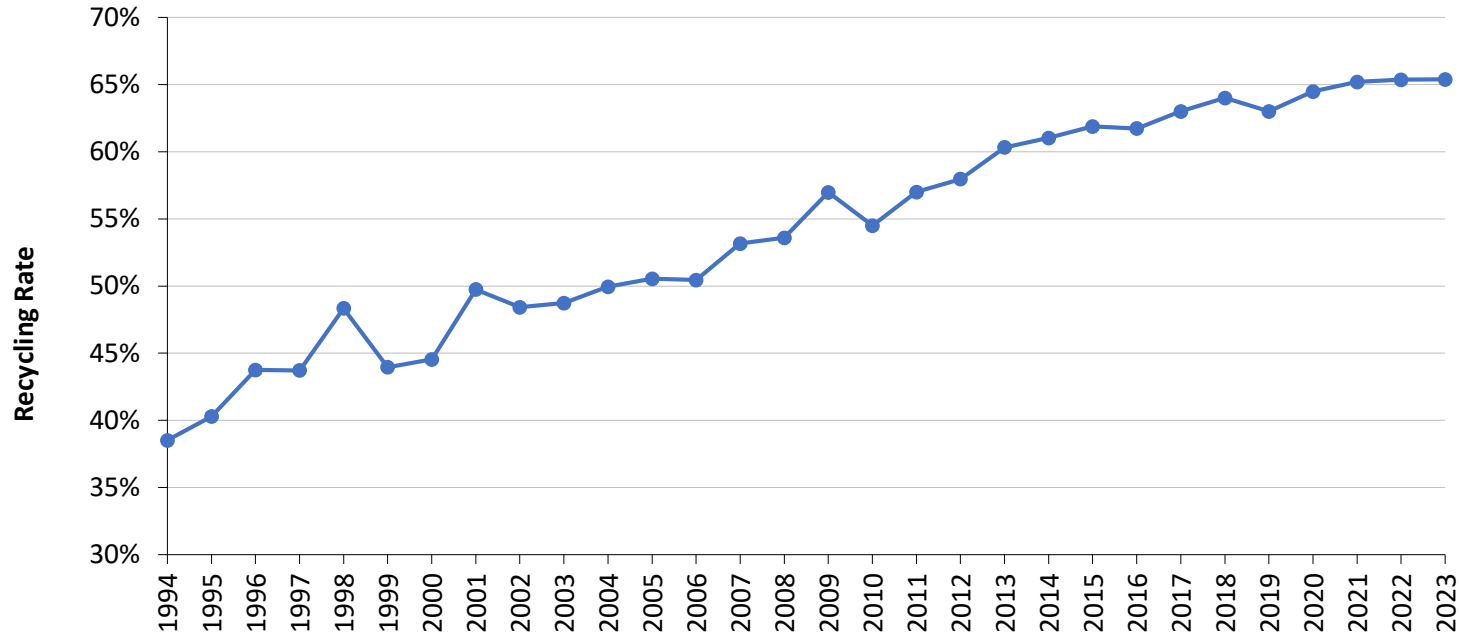
2023 Recycling Rate Highlights

- Recycling rate remained the same as 2022
- Commercial waste generation continued to increase while residential waste generation has tapered off

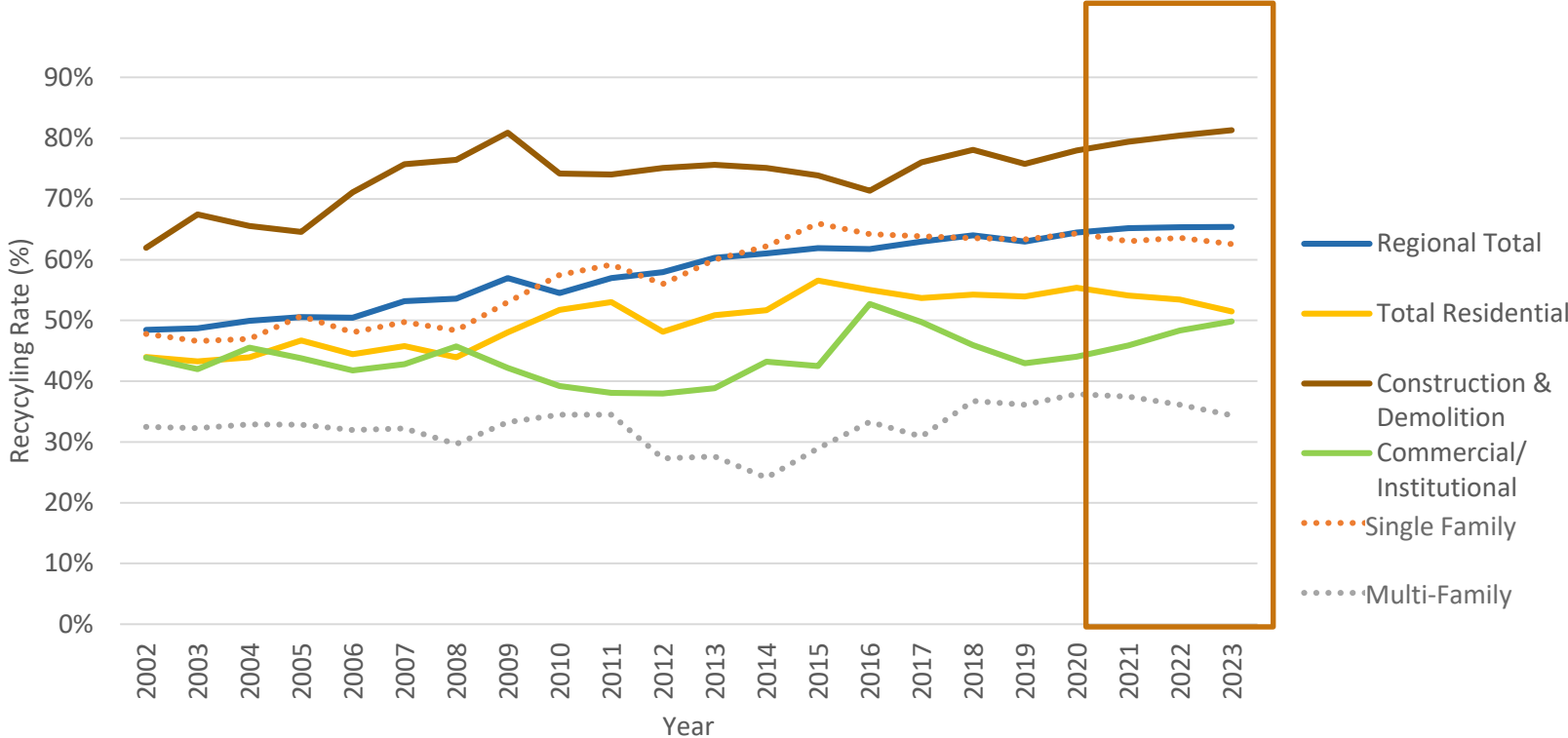
Year	Recycling Rate
2022	65%
2023	65%

RECYCLING RATE OVER TIME

From all Sectors

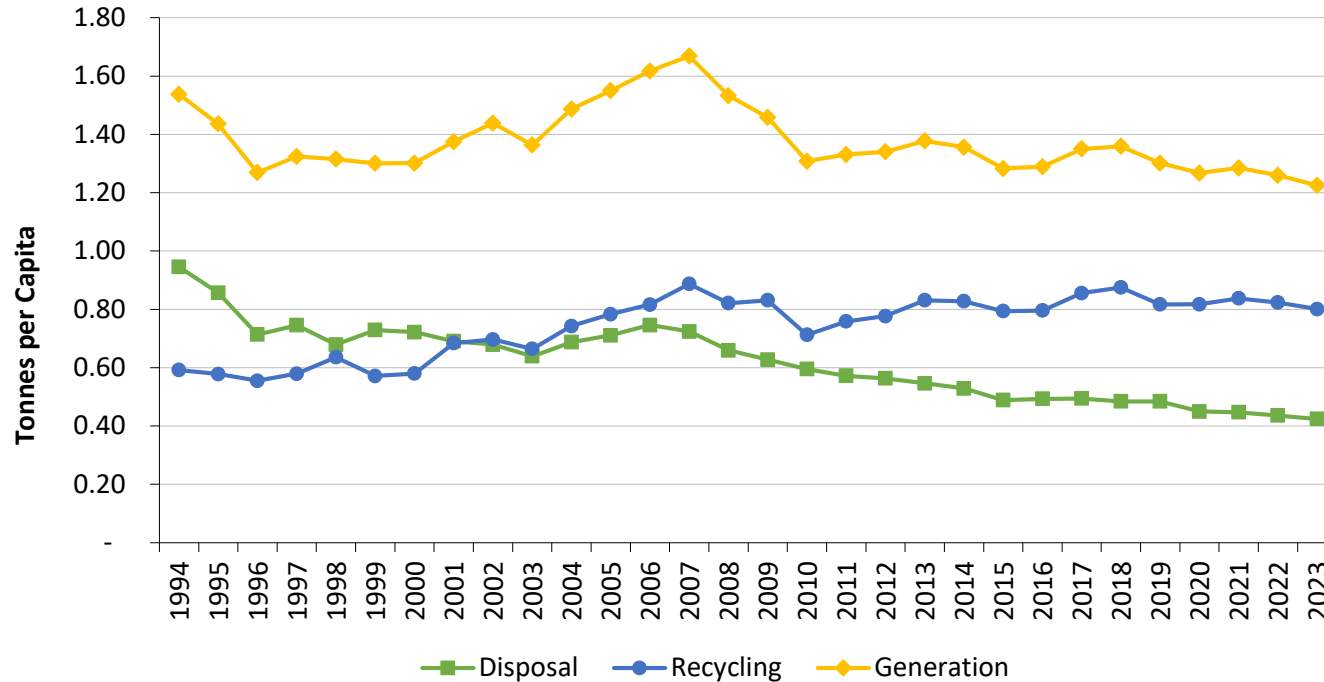


RECYCLING RATE TREND BY SECTOR



GENERATION & RECYCLING RATE OVER TIME

From all sectors



2023 SUMMARY

WASTE SECTOR		DISPOSED (tonnes)		RECYCLED (tonnes)		RECYCLING RATE (%)		
		2022	2023	2022	2023	2022	2023	% change*
Residential	tonnes	505,592	538,114	579,754	571,230	53%	51%	-2%
	tonnes/capita	0.18	0.18	0.20	0.19			
	Single Family tonnes	248,750	252,228	434,495	421,472	64%	63%	-1%
	Multi-Family tonnes	256,842	285,886	145,259	149,758	36%	34%	-2%
Commercial/Institutional	tonnes	400,976	401,742	375,466	398,826	48%	50%	1%
	tonnes/capita	0.14	0.13	0.13	0.13			
Residential + Commercial/ Institutional	tonnes/ household	0.81	0.80	0.85	0.82	51%	51%	-1%
Construction & Demolition	tonnes	338,955	326,938	1,395,360	1,423,304	80%	81%	1%
Total	tonnes	1,245,523	1,266,794	2,350,580	2,393,360	65%	65%	0%
	tonnes/capita	0.44	0.42	0.82	0.80			
	tonnes/ household	1.11	1.08	2.10	2.04			

*numbers may not add up correctly due to rounding

RECYCLING

MATERIAL TYPE	TOTAL (tonnes)	CHANGE IN TOTAL (YEAR OVER YEAR)
Asphalt	295,422	0%
Batteries	13,884	0%
Concrete	870,092	0%
Electronic & Electrical Equipment	10,719	-1%
Paper/Paper Products	322,903	-5%
Glass	47,869	-14%
Gypsum	63,349	8%
Household Hazardous Waste	24,579	1%
Metal	61,300	5%
Other	778	
Plastic	57,639	7%
Textiles	288	-22%
Tires	19,925	4%
Wood	191,859	19%
Yard & Food	412,753	5%
TOTAL	2,393,360	2%

2023 Recycling Highlights

- Increases in wood, gypsum and plastic
 - Most notable from commercial non-EPR materials
 - Reported recycled concrete and asphalt tonnage from facilities increased
 - 2021 Values used in Calculation

RECYCLING

MATERIAL TYPE	TOTAL (tonnes)	CHANGE IN TOTAL (YEAR OVER YEAR)
Asphalt	295,422	0%
<i>*Reported Asphalt</i>	492,602	67%
Batteries	13,884	0%
Concrete	870,092	0%
<i>*Reported Concrete</i>	1,068,904	23%
Electronic & Electrical Equipment	10,719	-1%
Paper/Paper Products	322,903	-5%
Glass	47,869	-14%
Gypsum	63,349	8%
Household Hazardous Waste	24,579	1%
Metal	61,300	5%
Other	778	
Plastic	57,639	7%
Textiles	288	-22%
Tires	19,925	4%
Wood	191,859	19%
Yard & Food	412,753	5%
TOTAL	2,393,360	2%
<i>*Total (including reported concrete and asphalt)</i>	2,858,307	22%

Regional Recycling Rate

(using reported concrete and asphalt values)

69%

FUTURE REPORTING UPDATES

- 2025 Data: Separate reporting of recycled commodities used as fuel substitutes
- Integrate new metrics following the Solid Waste Management Plan updates
- Continuing to review and improve:
 - Reuse data
 - Accuracy of recycled material data
- Exploring dashboard format to present data

NEXT STEPS

- Public/Technical Advisory Committee presentation – February 2025
- 2023 Solid Waste Management Annual Summary Report published – February 2025
- Zero Waste Committee presentation – February 6, 2025



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Questions?

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IAC Potential Work Plan Topics

Jericho Beach



2025 WORK PLAN – POTENTIAL TOPICS

General Topics	Solid Waste Management Plan Update topics
Circular Economy - Share/Reuse/Repair update	Adoption of a waste hierarchy and draft goals
Climate 2050 Roadmap	Feedback on evaluation criteria
C & D Reduction Update	Idea Generation report back
Public Education - role of public and private education	Metrics – targets and performance indicators
Soil Management	Options Analysis workshop
	Regulatory framework
	Residuals framework (resulting from studies)

DISCUSSION

- Does this list represent the topics the committee is interested in focusing on in 2025?
- Is there anything missing or that could be removed?



Next Steps

Waste-to-Energy Facility tour – IAC members and Co-Chair

5.1 NEXT STEPS

Call for submissions for IAC 2025 Committee

- Submission period from January 15 to February 12
- Online form will be accessible via link in the email and the IAC web page
- Email to committee members and industry contacts
January 15
- 2025 committee members will receive instructions for filling out the potential conflict of interest form after February 12
- First meeting of the 2025 committee – March 4, 2025

5.2 2025 MEETING SCHEDULE

- January 7
- February 4
- March 4
- April 8 (in-person)
- May 6*
- June 10
- September 9*
- October 7 (in-person)
- November 4*

*Note time change for selected dates

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Other Business

Ironworkers Memorial Bridge



6.1 ZERO WASTE COMMITTEE UPDATES

- Regional Reuse, Repair, and Food Recovery programs
- Multi-Family Residential Waste Reduction and Recycling
- Zero Waste Committee Work Plan report
- Manager's Report
 - Collaborative Engagement update
 - Public presentation on ideas for the solid waste management plan update available – ZW and PTAC presentations
 - Food Scraps Recycling Campaign (Jan 13 to Mar 9)

6.2 CONCRETE AND ASPHALT RECYCLING OPTIONS

Webinar

- Wednesday, January 22, 9:30 am to noon
- Presentations and discussion on future applications for recycling concrete and asphalt aggregates
- Sign up on the website, through the link that was emailed, or contact staff for more information

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Information Items



INFORMATION ITEMS

- 7.1 Regional Waste Flows
- 7.2 IAC 2025 Draft Work Plan Topics
- 7.3 IAC 2025 Meeting Schedule (updated)
- 7.4 Letter: Expanding Product Categories in Extended Producer Responsibility – Outgoing to Minister of Environment and Parks



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Thank you

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