



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

Tuesday, January 9, 2024

2:00 pm – 4:00 pm

A G E N D A

1. AGENDA

1.1 January 9, 2024 Meeting Agenda

2. MINUTES

2.1 November 7, 2023 Meeting Minutes

3. REPORTS

3.1 Vancouver Landfill

For information

Designated Speaker: Paul Henderson

4. INDUSTRY ADVISORY COMMITTEE 2024 KEY TOPICS

Small group (virtual breakout room) discussions:

- *Review list of possible key topics for 2024. (Attachment 1)*
 - *Does this list represent the topics you want to focus on for 2024?*
 - *What are your highest priorities?*
 - *Is anything missing?*
- *Share ideas for how IAC can discuss these topics. Possible approaches include:*
 - *Guest presenters*
 - *Member presentations*
 - *Roundtable discussions*
 - *Small group/Breakout sessions*
 - *Working groups/Sub-committees*

5. NEXT STEPS

5.1 2024 IAC Call for Membership Submissions – February 2024

Verbal Update

For information

Designated Speaker: Co-Chair

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Verbal Update

For information

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

7. INFORMATION ITEMS

7.1 Regional Waste Flows

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	Hankins, Grant – Minibins Canada	Moucachen, Maya - Merlin Plastics
Ahmadi, Taufiq – Maple Leaf Disposal	Johnson, Gord - Empower Environmental/ Northstar	Plotnikoff, Terryl - Canadian Mattress Recycling Inc.
Berkhof, Edwin – Evergen Infrastructure Corp.	JansenVandoorn, Josh - Anaconda Systems Ltd.	Polak, Mary – Waste Connections of Canada
Bryan, Lori - Waste Management Association of BC	Kaminski, Jamie - HSR Zero Waste	Prasad, Shad - Cascade Recovery + Shore, Cynthia - Republic Services
Carrusca, Ken - Cement Association of Canada	Kawakami, Sean - Convertus Group	Sigmund, Sandy – Encorp Pacific Canada
Collins, James - Tymac Launch Service Ltd.	Kiani, Aiden - Lock-Block Ltd.	Stefenelli, Nicole - Urban Impact Recycling Inc.
Coutts, Cindy – Encorp Pacific Canada	Koehn, Leanne – Ridge Meadows Recycling Society	Vargas, Pinky – Republic Services
Crawford, Jeremy – Waste Control Services	Lannin, Mike – Super Save Group	Victor, Nicole - Covanta
Dietrich, Christian – Ecowaste Industries	Lotzkar, Jacqueline - Pacific Metals Recycling Inc.	Zarbl, Michael - Major Appliances Recycling Roundtable
	Mallari, Achilles - Sierra Waste Services Ltd.	
	McAra, Matthew – GFL	
	McRae, Ralph – Revolution	
	Millman, David - Waste Management of Canada	

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver	Joy, Samantha - Metro Vancouver	Mizan, Zeenia – Metro Vancouver
Belanger, Lynn – City of Vancouver	Henderson, Paul – Metro Vancouver	Underwood, Chris – Metro Vancouver
Doorn, Nanette van – Metro Vancouver	Liu, Stephanie – Metro Vancouver	Vidler, Lynne – Metro Vancouver
	McDermott, Jon – City of 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 7, 2023, via Zoom Video Conference.

MEMBERS PRESENT:

Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)	Leanne Koehn, Ridge Meadows Recycling Society
Lori Bryan, Waste Management Assoc. of BC (Co-Chair)	Mike Lannin, Super Save Group
Izzie Abrams, Waste Connections of Canada	Achilles Mallari, Sierra Waste Services Ltd.
Edwin Berkhof, Evergen Infrastructure Corp	Matthew McAra, GFL Environmental Inc.
Ken Carrusca, Cement Association of Canada	Ralph McRae, Revolution
Jeremy Crawford, Waste Control Services Inc.	David Millman, Waste Management Association of Canada
Grant Hankins, Waste Management Assoc. of BC	Maya Mouchachen, Merlin Plastics
Gord Johnson, Empower Environmental/Northstar	Dimitri Pantazopoulos (Alternate), Waste Connections of Canada
Josh Jansen Vandoorn, Anaconda Systems Ltd.	Shad Prasad, Cascade Recovery+
Jamie Kaminski, HSR Zero Waste	Sandy Sigmund, Encorp Pacific Canada
Sean Kawakami, Convertus Canada Ltd.	Nicole Stefenelli, Urban Impact Recycling
Aiden Kiani, Lock-Block Ltd.	Pinky Vargas, Republic Services
	Nicole Victor, Covanta
	Michael Zarbl, Major Appliances Recycling Roundtable

MEMBERS ABSENT

Taufiq Ahmadi, Maple Leave Disposal	Jacqueline Lotzkar, Pacific Metals Recycling Inc.
Christian Dietrich, Ecowaste Industries	Terryl Plotnikoff, Canadian Mattress Recycling Inc.
James Collins, Tymac Launch Service Ltd.	

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Paul Henderson, General Manager, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Zeenia Mizan, Communications Officer, Strategy and Stakeholder Relations, Solid Waste Services
Lynne Vidler, Lead Senior Engineer

GUEST SPEAKER: Klaryssa Lawrie, Associate, Dillon Consulting

PREPARATION OF MINUTES: Sandra Moore, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

November 7, 2023

2:00 PM – 4:00 PM

Zoom

Agenda

1. New Co-Chair Introduction
2. Agenda
 - 2.1. November 7, 2023 Meeting Agenda
3. Minutes
 - 3.1. October 3, 2023 Meeting Minutes
4. Reports
 - 4.1. Disposal Ban Programs Review
5. Industry Advisory Committee Draft 2024 Work Plan Development
6. Other Business
 - 6.1. Zero Waste Committee Updates
7. Information Items
 - 7.1. Regional Waste Flows
 - 7.2. Industry Advisory Committee 2023 Work Plan
 - 7.3. 2023 Industry Advisory Committee Action Tracker and Summarize Meeting Action Items
 - 7.4. MVRD Board Report – Report Dated October 6, 2023, titled “External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee”
 - 7.5. MVRD Board Report – Report dated October 6, 2023, titled “External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee”
 - 7.6. Performance Metrics Scope of Work
8. Next Steps
 - 8.1. 2024 Meeting Schedule

MEETING MINUTES

Co-Chair Craig Hodge called the meeting to order at 2:01 p.m. and welcomed attendees to the Solid Waste Industry and Recycling Advisory Committee meeting. Participants were reminded to use the Zoom “raise hand” function to provide questions or comments or for any voting that might be required, and to ensure their names were correctly identified in the Participant list.

1. NEW CO-CHAIR INTRODUCTION

Co-Chair Hodge welcomed new Co-Chair Lori Bryan, Waste Management Association of BC. Co-Chair Bryan offered appreciation for being voted in as the Co-Chair and provided background on being part of the Industry Advisory Committee and the history of its conception. It was noted that the active participation from Committee members will help guide the Industry Advisory Committee to serve its intended purpose, develop real solutions, and achieve success.

Co-Chair Hodge commented on preliminary discussions held with Co-Chair Bryan on next steps for the Industry Advisory Committee and remarked on looking forward to working together. Appreciation was extended to Metro Vancouver staff who helped facilitate the recent national Zero Waste Conference.

2. AGENDA

2.1 November 7, 2023 Meeting Agenda

This item was not considered.

3. MINUTES

3.1 October 3, 2023 Meeting Minutes

Co-Chair Hodge called for any additions or changes to the meeting Minutes of October 3, 2023.

During ensuing discussion, comments were offered related to:

- Concern that Committee members may not have seen a post, which was uploaded to the Industry Advisory Committee website under the meetings tab for 10/03/2023, titled “GVS&DD Act Excerpt”, which explains the authority for the generator levy in Section 7B of the *Greater Vancouver Sewerage and Drainage District (GVS&DD) Act*
- Disagreement that Section 7B of the *GVS&DD Act* provides Metro Vancouver the authority to implement the generator levy
- Suggestion that the meeting minutes of October 3, 2023, include:
 - The explanation provided by Paul Henderson, General Manager, Solid Waste Services related to the *GVS&DD Act* (1995), offered during the October 3, 2023, meeting
 - The GVS&DD excerpt (posted to the Industry Advisory Committee website)
- Clarification that providing the GVS&DD excerpt to Committee members (via the post on the Industry Advisory Committee website) was a follow-up of the Action item identified at the October 3, 2023, meeting.

4. REPORTS

4.1 Disposal Ban Program Review

Klaryssa Lawrie, Associate, Dillon Consulting, provided an introduction, referred to a presentation titled “*Disposal Ban Program Review*”, and highlighted the purpose, which was to review Metro Vancouver’s Disposal Ban Program and determine efficiencies of the inspection program and application of surcharges.

Lynne Vidler, Lead Senior Engineer, Metro Vancouver, referred to a presentation titled “*Metro Vancouver Disposal Ban Program Review*” and highlighted the recommendations from the Consultant and the responding actions Metro Vancouver is taking or is planning to take.

During discussion and in response to questions, comments were offered regarding:

- Confirmation that the visual inspection process provides a good indication of what is in the loads
- Limitations with only inspecting the exterior of a load, and hope to continue the disposal ban program and initiate a pilot to look at other tools to demonstrate the maximizing of recycling
- The balance between adding additional inspectors with the cost incurred; the current level of inspectors ensures that haulers are not intentionally avoiding inspectors
- Surcharges for remediation; the tipping fee bylaw identifies different materials (e.g. hazardous materials have a larger surcharge if remediation is required)
- Suggestion that the report is only validating something that is already known, and doubt in the value in bringing in a third-party consultant.

ACTION: Metro Vancouver staff to remove pictures of Waste Collections of Canada trucks, depicted in the Disposal Ban Program Review Presentation.

5. INDUSTRY ADVISORY COMMITTEE DRAFT 2024 WORK PLAN DEVELOPMENT

Paul Henderson, General Manager, Solid Waste Services, referred to the Industry Advisory Committee 2023 Work Plan provided with the agenda package and reported on items completed in 2023, items currently in progress, and items proposed to be carried into the 2024 work plan.

Co-Chair Bryan continued the discussion on possible items to be carried forward to the 2024 Industry Advisory Committee Work Plan, including:

- Organics Capacity
- C&D Capacity
- Recycled Product Markets
- Solid Waste Management Plan (SWMP) Update – Idea Generation
- Policy and Competition
- Reuse and Share Ideas.

During discussion on additional topics Industry Advisory Committee Members might want to focus on in 2024, the following topics were raised:

- The future of the Vancouver Landfill and long term planning
- Disposal contracts and how they fit in the disposal matrix within Metro Vancouver
- Recycling statistics, computation, and presentation
- Explanation of the past and future anticipated Solid Waste expenditures budget
- Residual Items Review, which is currently under a draft scope for consultation and will be brought to Committee members for discussion and updates as the study moves forward
- Recycled products markets
- Innovation and options to divert materials out of the region's waste streams, e.g. organics, and helping support other organizations' organics systems
- Future capacity and lifespan of the Waste to Energy facility

Action: Metro Vancouver to identify the purpose of presentations being added to future Industry Advisory Committee Agendas – for information purposes or for discussion/feedback of Committee members.

It was noted that internal discussions would ensue with the Industry Advisory Committee Co-Chairs on appropriate next steps to bring the draft 2024 Work Plan forward for the Committee's consideration and that Committee members will be presented with a draft 2024 Work Plan at the January 2024 meeting.

6. OTHER BUSINESS

6.1 Zero Waste Committee Updates

Paul Henderson referred to an onscreen slide and highlighted items being brought forward to the Zero Waste Committee for information or decision:

- Scaling Up Regional Reuse, Repair, and Food Recovery
- 2024 Budget and Five-Year Financial Plan
- North Surrey and Langley Recycling Depot
- Notice of Bylaw Violation and Dispute Adjudication bylaw engagement
- District Energy Waste-to-Energy Facility.

During discussion and in response to questions, comments were offered regarding:

- Suggestion to solicit the expert advice of the IAC Committee members before submitting decision items to the Zero Waste Committee
- Industry Advisory Committee Co-Chairs will be discussing how to increase member participation related to linking its work with that of the Zero Waste Committee
- View that responses to questions about the lifespan and capacity of the Vancouver Landfill are not transparent
- Confirmation that the Zero Waste Committee meetings are open to the public and live-streamed

- The Design and Operations Plan included in the Operational Certificate for the Vancouver Landfill; the remaining life of the landfill depends on the annual deposits
- Suggestion that “less is more” as it relates to the 2024 Work Plan
- Suggestion to dedicate one topic at each IAC meeting for more in-depth discussion, e.g. engage on tipping fees prior to the increases being finalized, landfill closures, plans for the current incinerator, etc.

7. INFORMATION ITEMS

7.1 Regional Waste Flows

7.2 Industry Advisory Committee 2023 Work Plan

7.3 2023 Industry Advisory Committee Action Tracker and Summarize Meeting Action Items

7.4 MVRD Board Report – Report Dated October 6, 2023, titled “External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee”

7.5 MVRD Board Report – Report dated October 6, 2023, titled “External Agency Status Report for the Solid Waste and Recycling Industry Advisory Committee”

7.6 Performance Metrics Scope of Work

In reference to the information items, Co-Chair Hodge noted all were attached to the agenda package.

8. NEXT STEPS

8.1 2024 Meeting Schedule

Co-Chair Hodge referred to the proposed 2024 meeting dates included in the agenda package and informed that calendar invitations will be sent out to Industry Advisory Committee members as placeholders.

Industry Advisory Committee Members were thanked for their participation, comments, and feedback. It was noted that the next Industry Advisory Committee meeting would be held on January 9, 2024, via Zoom.

9. ADJOURNMENT

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:36 p.m.

Solid Waste and Recycling Industry Advisory Committee 2024 Key Topic Areas Proposed by Members

- Circular Economy / 3Rs Study / Share/Reuse/Repair ideas
- Competition/Role of Public and Private Sectors in Provision of Solid Waste Services/Advancing
Zero Waste and the Circular Economy
- Concrete and Asphalt Recycling Opportunities
- Construction and Demolition Waste Management and Capacity
- Metro Vancouver Procurement Processes
- Organics Processing
- Recycled Product Markets
- Recycling Statistics
- Residuals Management

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Welcome

Burrard Inlet Port Lands



AGENDA

1. Agenda – January 9, 2024

2. Minutes – November 7, 2023

3. Reports

4. 2024 Key Topics and Small Group Discussions

5. Next Steps

6. Other Business

7. Information Items

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Reports

Waste to Energy Facility





Vancouver Landfill Site Plan

Vancouver Landfill

OVERVIEW

Paul Henderson, P.Eng.

General Manager Solid Waste Services

Solid Waste and Recycling Industry Advisory Committee Meeting - January 9, 2024

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RESIDENTIAL AND COMMERCIAL/INSTITUTIONAL GARBAGE

Facility	2022 Residential, Commercial and Institutional Garbage (tonnes)
Vancouver Landfill	638,104
Waste-to-Energy*	219,264
Contingency	144,603
Overall	1,001,881



* Waste-to-Energy Facility total was 233,000 tonnes including additional materials such as international waste and treatment plant residuals

2022 VANCOUVER LANDFILL TONNAGE

From 2022 Vancouver Landfill Annual Report

Materials	Tonnage
Residential and Commercial Garbage	638,104
Bottom Ash	37,281
Treatment Plant Residuals	6,069
Marine Debris and Agricultural Waste	63
Construction and Demolition Waste	52,969
Total	734,396

SITE PLAN



Location: Delta
Ownership: City of Vancouver
Began Operations: 1966
Total Property: 320 Ha
Landfill Footprint: 225 Ha
Annual capacity: 750,000 tonnes

AGREEMENTS

Tri-Partite Agreement

- Between Vancouver, Metro Vancouver and Delta
- Outlines cost sharing framework
- Outlines benefits to Delta from Metro Vancouver
- Expires 2037

Vancouver-Delta Agreement

- Between Vancouver and Delta
- Outlines benefits to Delta from City of Vancouver
- Expires earlier of 2037 or 20,000,000 tonnes from 1997

VANCOUVER LANDFILL REMAINING CAPACITY PARAMETERS

Parameter	Value
Waste capacity as of October 1, 1997	20 million tonnes
Remaining capacity as of December 31, 2022	5,716,355 tonnes
Year expected to reach 20 million tonnes based on current quantities	Approximately end of 2030

NEXT STEPS

- Focus on waste reduction
 - Updated solid waste management plan to focus on waste prevention and reduction
 - Reducing waste will mean 20 million tonnes reached post 2030
- Continue to manage residual garbage after Landfill agreements expire
 - Increased remote landfill disposal is a possible short term solution
 - Residual Waste Management Options Review to provide more information on potential options



Sunset at MV Head Office

Thank you

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Industry Advisory
Committee 2024
Key Topics –
Small Group
Discussion

Jericho Beach



WHAT WE HEARD

- Engage the expertise of the committee members and give opportunities to provide input and recommendations on solid waste issues
- A leaner work plan with fewer information-only presentations
- Opportunity for in-depth discussion on selected/scheduled topics

TOPICS OF INTEREST FROM MEMBER INPUT

Circular Economy / 3Rs Study / Share/Reuse/Repair ideas

Competition / Role of Public and Private Sectors in Provision of Solid Waste Services / Advancing

Concrete and Asphalt Recycling Opportunities

Construction and Demolition Waste Management and Capacity

Metro Vancouver Procurement Processes

Organics Processing

Recycled Product Markets

Recycling Statistics

Residuals Management

KEY TOPICS OF INTEREST

Small Group Discussion

Review the list of topics suggested by members.

- Does this list represent the topics you want to focus on in 2024?
- What are your highest priorities?
- Is anything missing?

KEY TOPICS OF INTEREST

Small Group Discussion

Share ideas for how to discuss these topics.
Possible approaches include:

- Guest presenters
- Member presentations
- Roundtable discussions
- Small group / Breakout sessions
- Working groups / Sub-committees

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Next Steps

Georgia Strait view from Cypress



CALL FOR MEMBERSHIP SUBMISSIONS 2024

- Call for member submissions will go out at the end of January via an email to solid waste and recycling industry contacts
- Existing IAC members who wish to remain on the committee should submit their statement of interest annually
- Member submission deadline will be in mid-February
- First meeting of the 2024 IAC will be March 5.

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Other Business

Ironworkers Memorial Bridge



6.1 ZERO WASTE COMMITTEE UPDATES

January Zero Waste Committee

- 2024 Zero Waste Committee Work Plan
- Manager's Report:
 - SWMP Draft Vision and Guiding Principles review process
 - Single-Use Item Reduction Regulations update

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Information Items



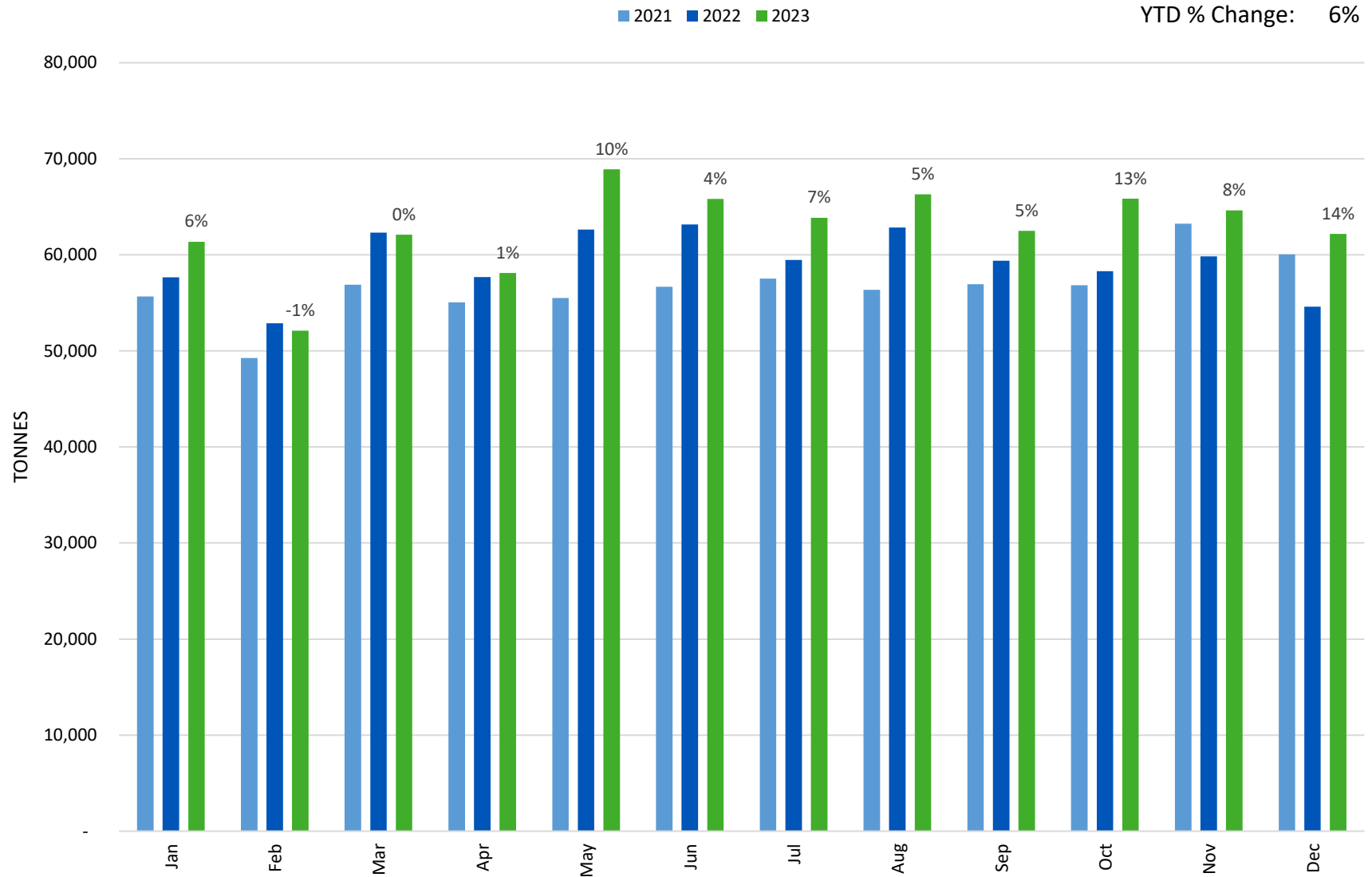


Vancouver Skyline

Thank you

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Metro Vancouver Waste Quantities* 2021 - 2023**



**Data reconciled to Nov 2023

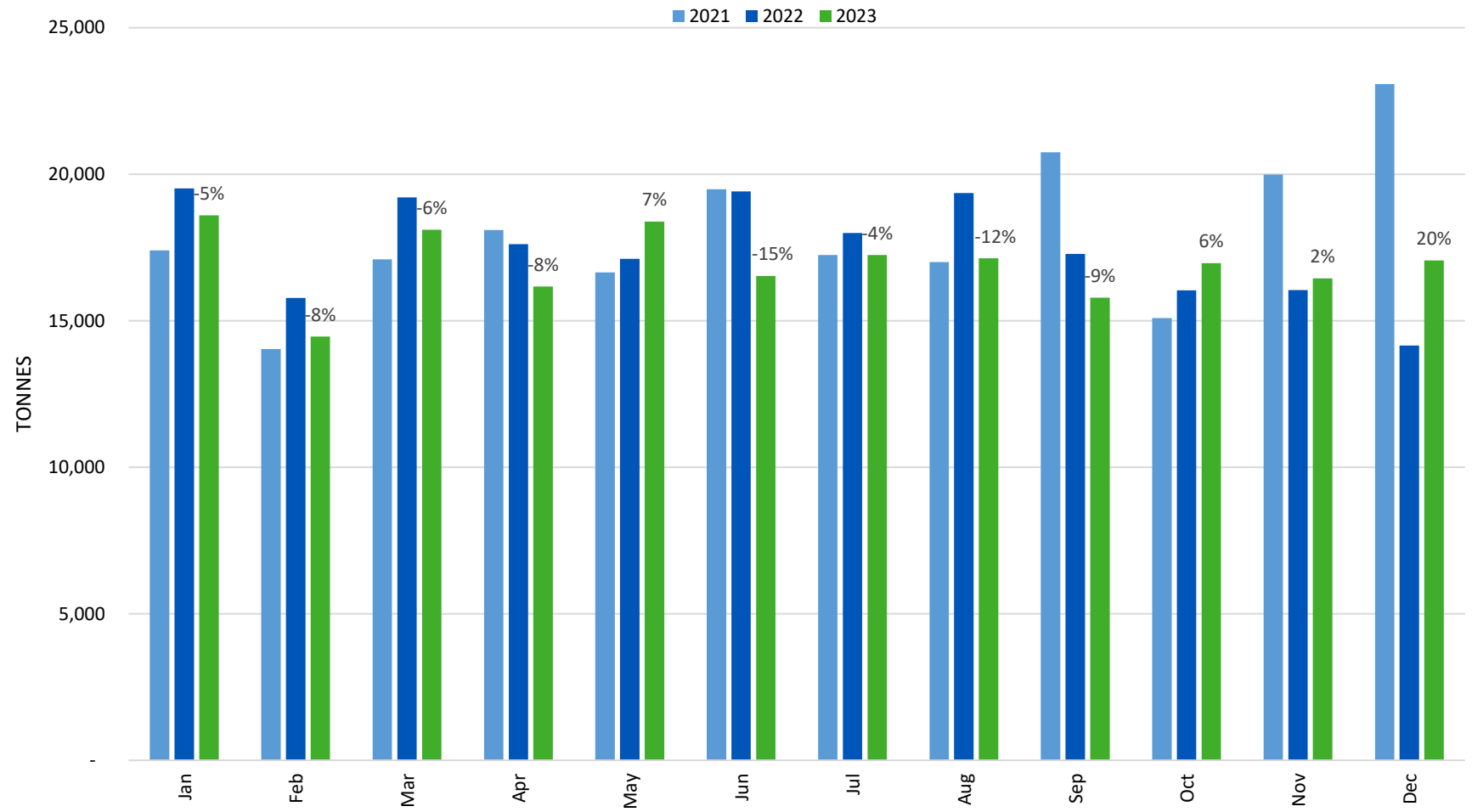
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility

City of Vancouver Waste Quantities*

2021 - 2023

(Demo garbage not included)

YTD % Change: -3%



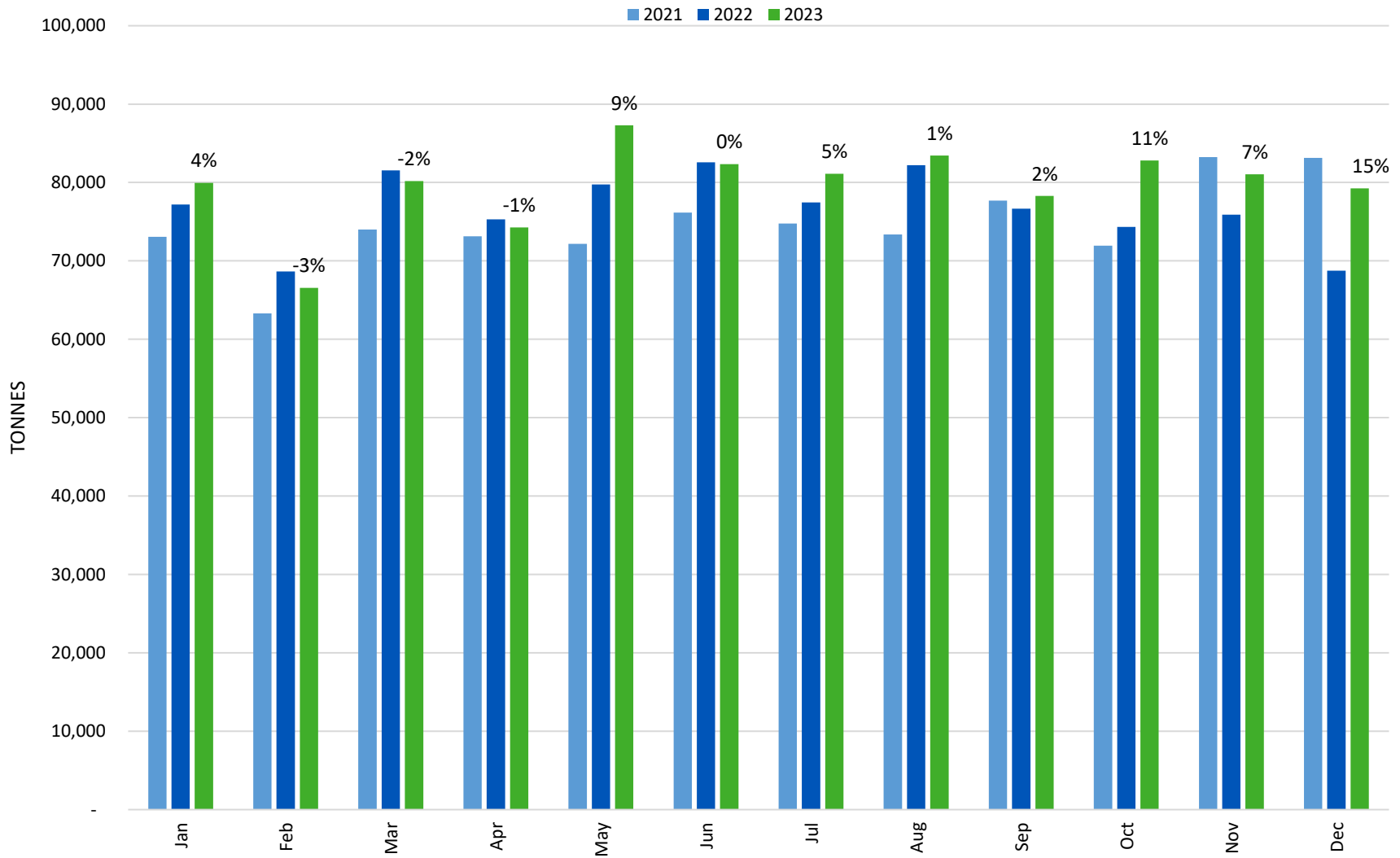
*Vancouver Landfill & Vancouver South Transfer Station

Metro Vancouver and City of Vancouver Waste Quantities

2021 - 2023*

(Demo garbage not included)

YTD % Change: 4%



*Metro Vancouver data reconciled to Nov 2023