



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

Tuesday, June 11, 2024

2:00 pm – 4:00 pm

A G E N D A

1. AGENDA

1.1 June 11, 2024 Meeting Agenda

2. MINUTES

2.1 May 14, 2024 Meeting Minutes

3. REPORTS AND ITEMS FOR DISCUSSION

3.1 Disposal Ban Exemption Pilot Program

For information and input

Designated Speaker: Paul Henderson, Metro Vancouver

3.2 Recycling and Organics Capacity and Product Markets

For input/feedback – small group discussions

Designated Speaker: Karen Storry, Senior Engineer, Metro Vancouver

With respect to recycling capacity and product markets:

- *What is currently working well?*
- *What could be improved? What should be prioritized?*
- *What are some examples of potential solutions? Are there additional things we should be considering?*

4. OTHER BUSINESS

4.1 Zero Waste Committee and Other Updates

For information

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

5. INFORMATION ITEMS

5.1 Regional Waste Flows

5.2 2024 Work Plan

Committee Co-Chairs:

Director Craig Hodge, Zero Waste Committee Vice-Chair

Lori Bryan, Executive Director, Waste Management Association of BC

Membership:

Abrams, Izzie – Waste

Connections of Canada

Berkhof, Edwin – Evergen

Infrastructure Corp.

Bryan, Lori – Waste Management

Association of BC

Collins, James – Tymac Launch

Service Ltd.

Crawford, Jeremy – Waste Control
Services

Deol, Harwant – Super Save Group

Dietrich, Christian – Ecowaste

Industries

Diamant, Jen – Capital Salvage

Furtado, Glen – Cement

Association of Canada

Gontovnick, Jeff – 1-800-GOT-

JUNK?

Hankins, Grant – Canada

Minibins.com Ltd.

JansenVandoorn, Josh – Anaconda
Systems Ltd.

Jessa, Imran – Delta Textiles

Exporters Inc.

Johnson, Gord – Northstar

Kaminski, Jamie – HSR Zero Waste

Kawakami, Sean – Convertus Canada
Ltd.

Kiani, Aiden – Lock-Block Ltd.

Koehn, Leanne – Ridge Meadows

Recycling Society

Lannin, Mike – Super Save Group

MacNeil, Patrick – Wescan Disposal

Ltd.

MacFarlane, Angus – Growing City

Mallari, Achilles – Sierra Waste

Services Ltd.

McAra, Matthew – GFL

Environmental Inc.

McRae, Ralph – Revolution
Infrastructure Inc.

Millman, David – Waste

Management of Canada Corp.

Moucachen, Maya – Merlin Plastics

Pantazopoulos, Dimitri – Waste

Connections of Canada

Prasad, Shad – Cascade Recovery +

Scaldaferri, Fabio – Pacific Mattress
Recycling Inc.

Sigmund, Sandy – Encorp Pacific

Canada, Return-It

Turner, John – BC Biocarbon Ltd.

Van de Wetering, Jasper –

Heidelberg Materials Canada Ltd.

Vargas, Pinky - Republic Services

Young, Stewart, GFL Environmental

Inc.

Zarbl, Michael - Major Appliance

Recycling Roundtable

Metro Vancouver and City of Vancouver Staff:

Allan, Chris – Metro Vancouver

Belanger, Lynn – City of Vancouver

Henderson, Paul – Metro

Vancouver

Joy, Samantha - Metro Vancouver

Liu, Stephanie – Metro Vancouver

McDermott, Jon – City of Vancouver

Mizan, Zeenia – Metro Vancouver

Underwood, Chris – Metro

Vancouver

Vidler, Lynne – Metro Vancouver

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

Minutes of the Regular Meeting of the Solid Waste and Recycling Industry Advisory Committee Meeting held at 2:00 p.m. on Tuesday, May 14, 2024, via Zoom Video Conference.

MEMBERS PRESENT:

Lori Bryan, Waste Management Assoc. of BC (Co-Chair)	Jasper Van de Wetering, Heidelberg Materials Canada Ltd.
Craig Hodge, Director, Metro Vancouver Board of Directors (Co-Chair)	Jeremy Crawford, Waste Control Services
Angus MacFarlane, Growing City	Leanne Koehn, Ridge Meadows Recycling Society
Achilles Mallari, Sierra Waste Services Ltd.	Maya Moucachen, Merlin Plastics
Christian Dietrich, Ecowaste Industries	Michael Zarbl, Major Appliance Recycling Roundtable
Dimitri Pantazopoulos, Waste Connections of Canada	Mike Lannin, Super Save Group
Glen Furtado, Cement Association of Canada	Patrick MacNeil, Wescan Disposal Ltd.
Harwant Deol, Super Save Group	Pinky Vargas, Republic Services
Izzie Abrams, Waste Connections of Canada	Ralph McRae, Revolution Infrastructure Inc.
James Collins, Tymac Launch Service Ltd.	Shad Prasad, Cascade Recovery +
Jamie Kaminski, HSR Zero Waste	Stewart Young, GFL Environmental Inc.

MEMBERS ABSENT

Edwin Berkhof, Evergen Infrastructure Corp.	Sean Kawakami, Convertus Canada Ltd.
Jen Diamant, Capital Salvage	Aiden Kiani, Lock-Block Ltd.
Jeff Gontovnick, 1-800-GOT-JUNK?	Fabio Scaldaferrri, Pacific Mattress Recycling Inc.
Grant Hankins, Canada Minibins.com Ltd.	Matthew McAra, GFL Environmental Inc.
John Turner, BC Biocarbon Ltd.	David Millman, Waste Management of Canada Corp.
Josh JansenVandoorn, Anaconda Systems Ltd.	Sandy Sigmund, Encorp Pacific Canada, Return-It
Imran Jessa, Delta Textiles Exporters Inc.	
Gord Johnson, Northstar	

METRO VANCOUVER AND CITY OF VANCOUVER STAFF:

Adrianna Velazquez, Senior Project Engineer, Solid Waste Services
Brooke Atkinson, Senior Engagement Specialist, Solid Waste Services
Chris Underwood, Division Manager, Solid Waste Services
Karen Storry, Senior Engineer, Solid Waste Services
Paul Henderson, General Manager, Solid Waste Services
Sahar Ahmadvand, Assistant Project Engineer, Solid Waste Services
Samantha Joy, Engagement Specialist, Solid Waste Services
Zeenia Mizan, Program Assistant I, Solid Waste Services

PREPARATION OF MINUTES: Justine Wiklo, Raincoast Ventures Ltd.

Solid Waste and Recycling Industry Advisory Committee Meeting

May 14, 2024
2:00 PM – 4:00 PM
Zoom

Agenda

1. Agenda
 - 1.1. May 14, 2024, Meeting Agenda
2. Minutes
 - 2.1. April 9, 2024, Meeting Minutes
3. Reports and Items for Discussion
 - 3.1. Items of Interest
For Information
Designated speaker: Paul Henderson, Metro Vancouver
 - *May 16 Mayors Committee Agenda: "Smart Waste Program and Draft Tipping Fee Bylaw Updates" information report*
 - *Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw engagement*
 - 3.2. Construction and Demolition Waste Management and Capacity
For input/feedback – small groups/plenary
Designated speaker: Adrianna Velaquez, Senior Project Engineer, Solid Waste
 - *What are some of the current challenges for construction and demolition waste?*
 - *What could be improved?*
 - *What are some examples of different solutions?*
4. Other Business
 - 4.1. Workplan Review
Verbal update
Designated Speaker: Co-Chair Bryan
 - 4.2. Zero Waste Committee Updates
Verbal Update
Designated Speaker: Paul Henderson, General Manager, Solid Waste
5. Information Items
 - 5.1. Regional Waste Flows – April
 - 5.2. 2024 Industry Advisory Committee Meeting Schedule
 - 5.3. Industry Advisory Committee 2024 Work Plan

MEETING MINUTES

Co-Chair Craig Hodge called the meeting to order at 2:04 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting. Participants were reminded to use the Zoom “raised 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. AGENDA

1.1 May 14, 2024, Meeting Agenda

Co-Chair Hodge reviewed the May 14, 2024, meeting agenda. No additions were made.

2. MINUTES

2.1 April 9, 2024, Meeting Minutes

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

3. REPORTS

3.1 Items of Interest

Paul Henderson, General Manager, Solid Waste, Metro Vancouver, reviewed two items of interest:

- A report has been published in the upcoming May 16, 2024, Mayor’s Committee meeting agenda updating on the smart waste program and draft Tipping Fee Bylaw updates
- Regarding Notice of Bylaw Violation Enforcement and Dispute Adjudication Bylaw, all Industry Advisory Committee members should have received information via email about the engagement process. Feedback is welcome until May 31, 2024. The Notice of Bylaw Violation:
 - Provides an additional compliance promotion tool for *GVS&DD Solid Waste & Recyclable Material Regulatory Bylaw No. 181, 1996*
 - Establishes penalties up to \$500 for violations of existing Bylaw 181 provisions
 - Serves as an additional tool for Metro Vancouver to encourage Bylaw compliance.

3.2 Construction and Demolition Waste Management and Capacity

Adriana Velázquez, Senior Project Engineer, Solid Waste, reviewed a presentation on construction and demolition (C&D) materials, noting the following highlights:

- About half of waste and recyclable materials generated in the region come from the C&D sector
- Metro Vancouver’s 2022 C&D waste composition study showed that more than half of the disposed material in the region is wood
- In 2022, there were 2,371 residential demolitions - limited information is available on how much of this is being repurposed through deconstruction or home relocation
- The Disposal Ban Program places a surcharge on disposal loads containing 5% or more of clean wood and any quantity of gypsum
- Metro Vancouver recently updated the C&D waste reduction and recycling toolkit to encourage reuse of building materials

- Current regulatory tools and frameworks include the tipping fee, a Solid Waste and Recyclable Material Bylaw, facility inspections, permitting, and enforcement
- A list of licensed facilities is posted online – this list is currently being updated
- 10 municipalities in Metro Vancouver have implemented diversion requirements for construction and demolition materials

Committee members joined small break-out groups to discuss construction and demolition waste. Co-Chair Hodge introduced the following questions for discussion:

- What are some of the current challenges for C&D waste?
- What could be improved?
- What are some examples of different solutions?

Co-Chair Hodge thanked participants for the discussion.

A summary of the input received during small group discussions and plenary report-back is posted separately on the Industry Advisory Committee webpage under the Meetings header. Feedback from this session will be considered as part of the idea generation phase of engagement for the solid waste management plan update.

4. OTHER BUSINESS

4.1 Work Plan Review

Co-Chair Bryan reviewed the amended Work Plan, noting the following:

- The Work Plan has been updated to include dates when key topics will be presented
- Recycling capacity, product markets, and organics will be discussed at the next meeting in June 2024
- Long-term disposal planning and capital budget will be discussed at the meeting in July 2024
- In September 2024, the generator levy and competition will be the topics of discussion.

Based on feedback from the April Industry Advisory Committee meeting, an additional meeting was added to the work plan in July. A Zoom poll was conducted and it was decided that the meeting would occur virtually on July 9, 2024.

4.2 Zero Waste Committee Updates

Paul Henderson provided an update on Zero Waste Committee work, noting the following highlights:

- An update on two recycling depots being developed in Langley and North Surrey; completion of these facilities will provide consistent services across the region that maximize recycling opportunities
- A report updating on the food scraps campaign
- Items in the Manager's Report included a Waste-to-Energy facility operational certificate amendment application, and single-use items campaign update

Other updates included:

- Need for further recruitment for the Public/Technical Advisory Committee has been identified. Focused outreach to fill some identified sector representation gaps will be initiated.
- A recent article was published on the Vancouver Landfill in a Delta-based newspaper

5. INFORMATION ITEMS

5.1 Regional Waste Flows – April

5.2 2024 Industry Advisory Committee Meeting Schedule

5.3 Industry Advisory Committee 2024 Work Plan

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

ADJOURNMENT

Co-Chair Hodge thanked Industry Advisory Committee members for their participation, comments, and feedback, and advised that the next Solid Waste and Recycling Industry Advisory Committee meeting would be held via Zoom on June 11, 2024.

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 3:40 p.m.

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Welcome

Burrard Inlet Port Lands



AGENDA

1. Agenda – June 11, 2024

2. Minutes – May 14, 2024

3. Reports and Items for Discussion

4. Other Business

5. Information Items

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Reports

Central Surrey Waste and Recycling Centre



3.1 DISPOSAL BAN EXEMPTION PILOT DEVELOPMENT

- Current disposal ban program limited by its reliance on visual inspection – need additional measures to encourage recycling
- Metro Vancouver is developing a pilot to trial a hauler incentive program to increase recycling
- Dillon Consulting helping to develop pilot program
- Metro Vancouver will be reaching out to identify people for Dillon to interview to help develop the program

PLENARY DISCUSSION

- Any initial ideas on what elements could be included in a program to incent haulers to encourage recycling?



3.2 Recycling and Organics Capacity and Product Markets

KEY TOPIC DISCUSSIONS

How will your feedback be used?

- Key topic discussions at IAC meetings are generating input and feedback for the idea generation phase of engagement on the solid waste management plan
- Input will be recorded in the form of feedback summaries, and will also be included in the solid waste management plan feedback log



3.2 Recycling and Organics Capacity and Product Markets

Karen Storry

Senior Engineer, Solid Waste Planning, Metro Vancouver

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RECYCLING AND ORGANICS CAPACITY AND PRODUCT MARKETS

Presentation Outline

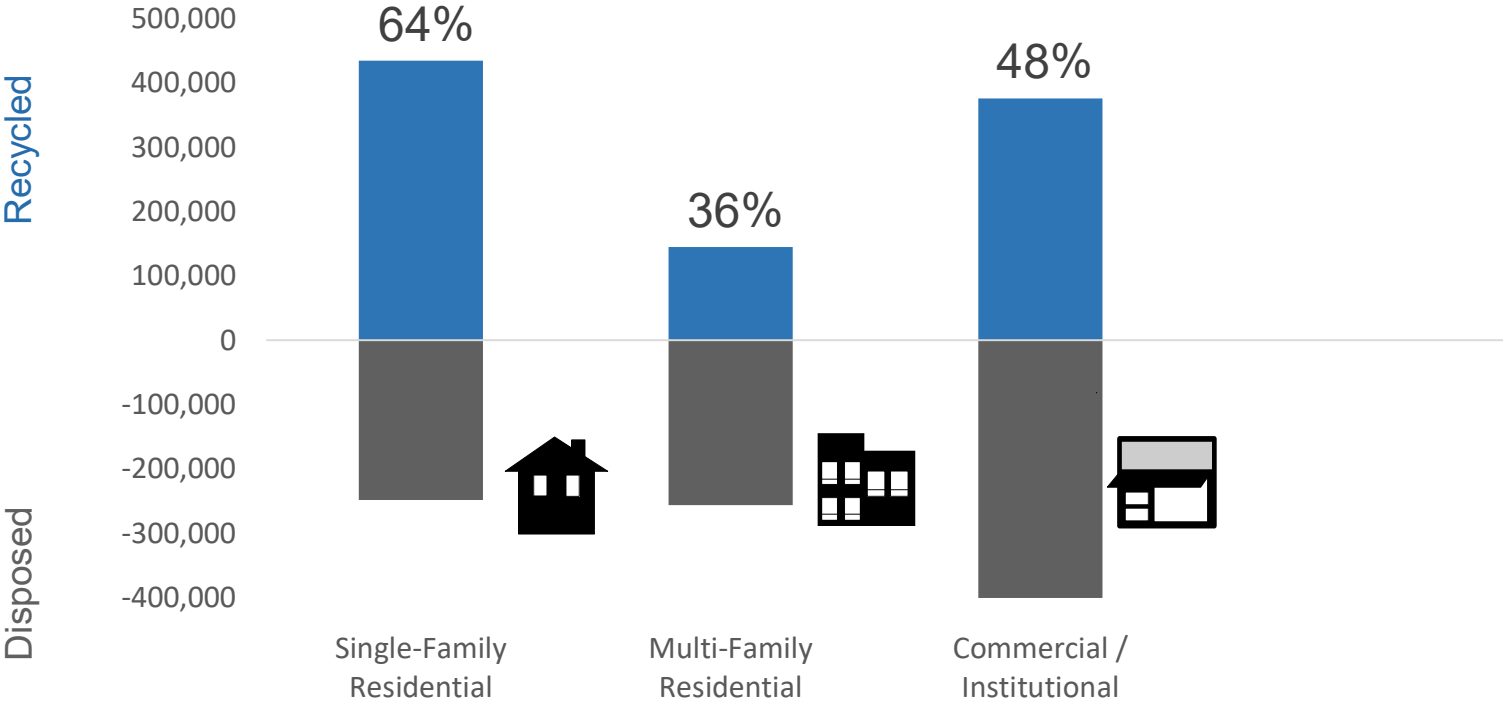
- Data
- Education
- Regulations
- Standards
- Infrastructure development



Recycling confidence display at the PNE

REGIONAL RECYCLING AND DISPOSAL IN 2022

Shown in metric tonnes

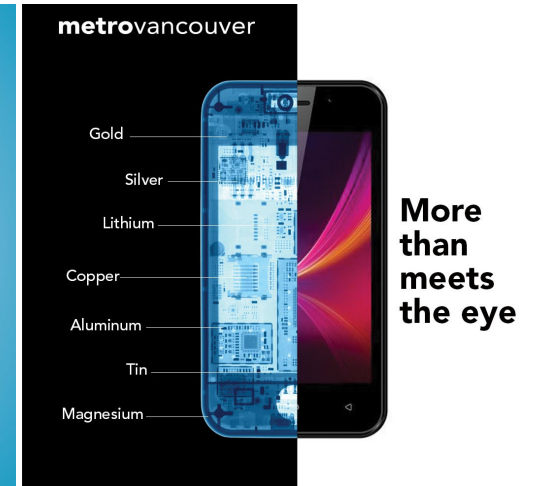


Source: [Metro Vancouver, Draft ISWRMP 2022 Biennial Report](#)

EDUCATION

To increase diversion

- Increase participation
- Decrease contamination



REGULATIONS

Aimed at increasing recycling and organics diversion

Provincial

- Extended Producer Responsibility*
- Single-Use and Plastic Waste Reduction Regulation
- Organics Matter Recycling Regulation*

Regional:

- Disposal bans

*update in progress



Disposal ban sticker

VOLUNTARY STANDARDS AND GUIDELINES

Example:

Canada Plastics Pact

- Elimination list
- Golden Design Rules



Canada Plastics Pact Gold Design Rules

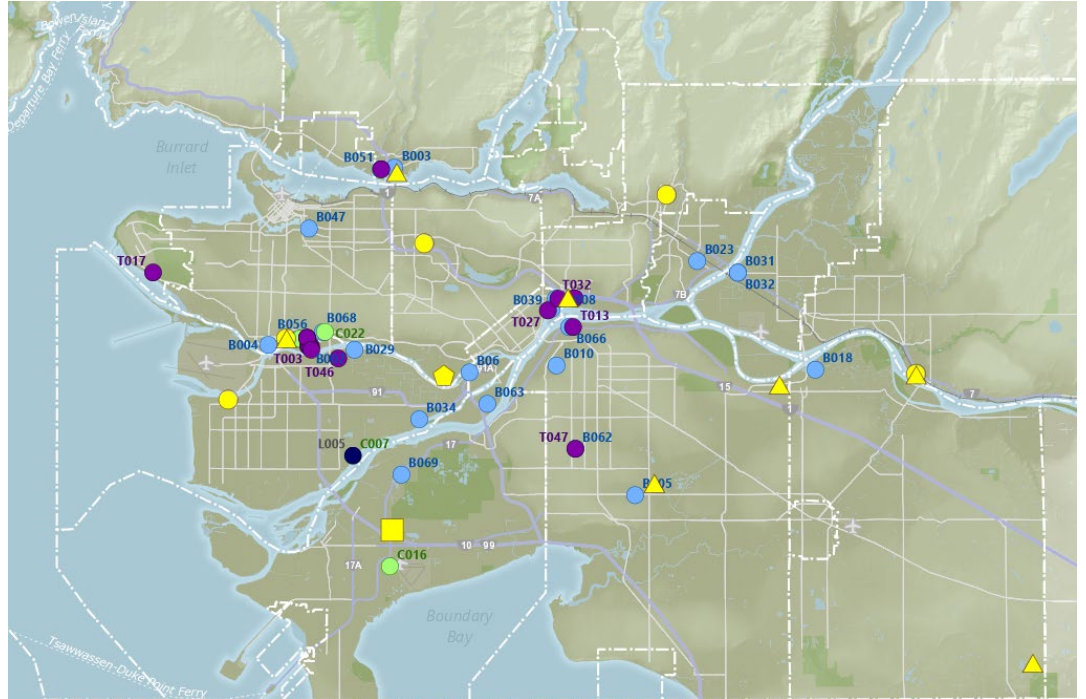
INFRASTRUCTURE

We hear the need for:

- Convenience
- Accessibility

We hear challenges:

- Land cost and availability
- Gaps for certain products/materials
- Siting/approvals process



Licensed facilities in the region



TOGETHER
WE MAKE OUR REGION
STRONG

Recycling confidence display at the PNE – Recycling Bales Photo

Lets Discuss

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DISCUSSION

20 minute break-out rooms

With respect to recycling capacity and product markets:

- What is currently working well?
- What could be improved? What should be prioritized?
- What are some examples of potential solutions? Are there additional things we should be considering?

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Other Business

Ironworkers Memorial Bridge



4.1 ZERO WASTE COMMITTEE UPDATES

- Tipping Fee Bylaw updates
- SWMP Draft Vision and Guiding Principles
 - Revised to incorporate feedback received
- Manager's Report
 - Regional Food Recovery contract extension
 - Waste-to-Energy Facility Operations and Maintenance Contract
 - Renewal Development house moving event
 - Weigh scale software replacement/system launch
 - Committee will receive a presentation in September on the new software

4.1 OTHER UPDATES

- North Surrey Recycling and Waste Centre compactor replacement
- Educational materials available to haulers – Metro Vancouver will:
 - Seek feedback from IAC on the inventory of educational materials
 - Review, update, and supplement available resources

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Information Items



INFORMATION ITEMS

5.1 Regional Waste Flows – May

5.2 Industry Advisory Committee 2024 Work Plan

2024 WORK PLAN HIGHLIGHTS

Upcoming topics for discussion:

June

- Recycling capacity / product markets / organics

July

- Long term disposal planning
- Capital budget

September

- Generator levy and competition

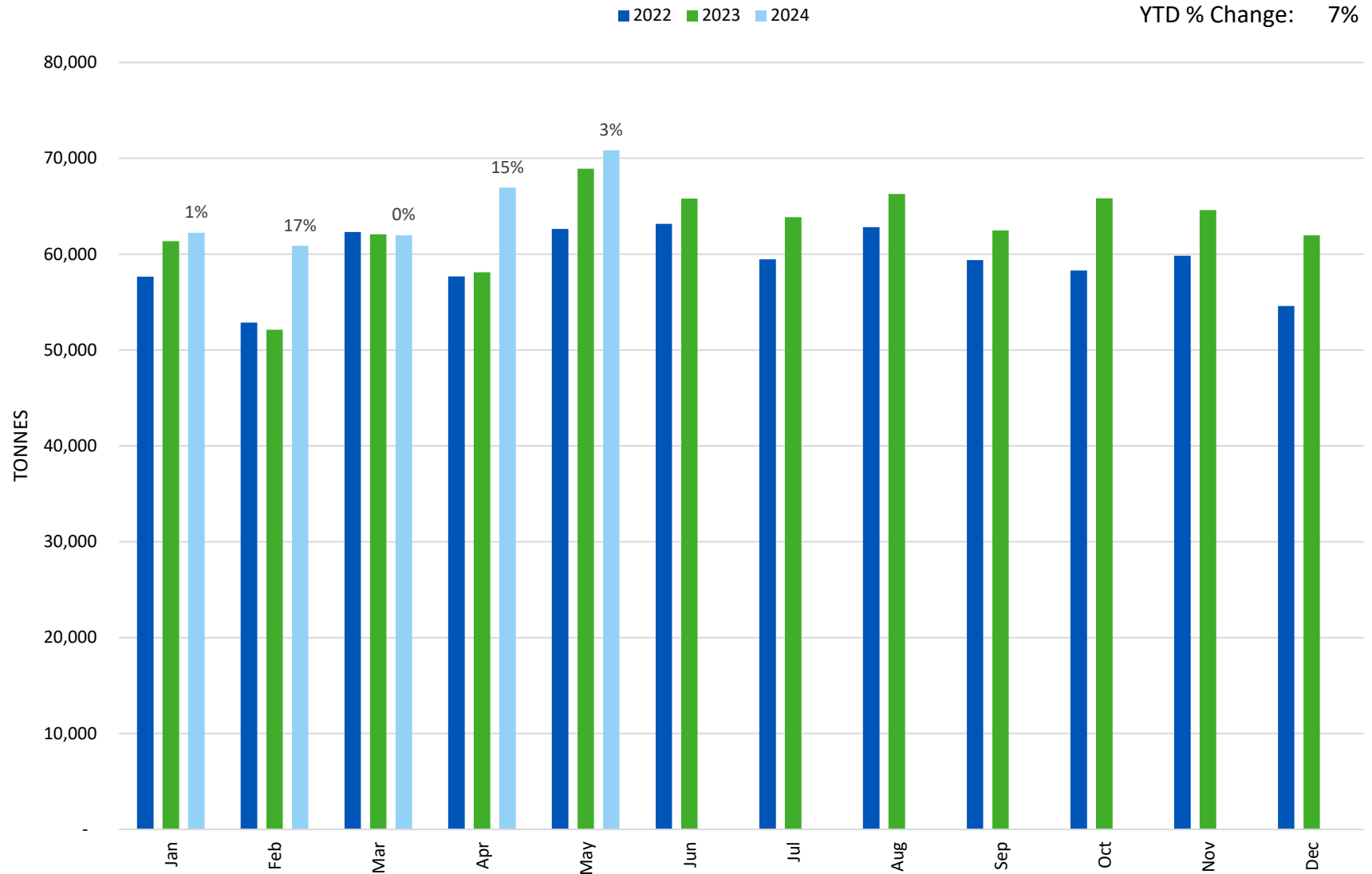


Vancouver Skyline

Thank you

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Metro Vancouver Waste Quantities* 2022 - 2024**



**Data reconciled to Feb 2024

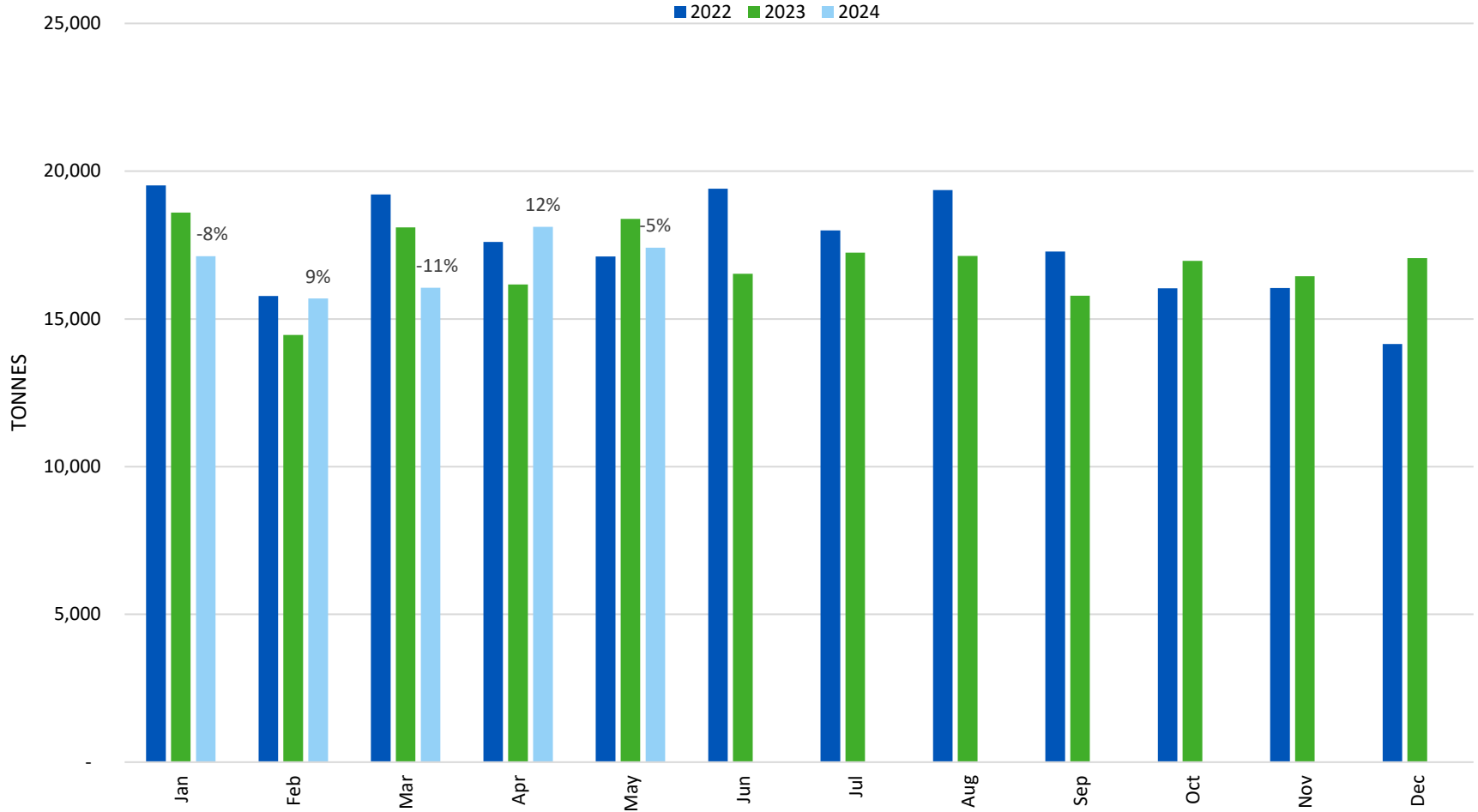
*Metro Vancouver's Six Recycling and Waste Centres & the Waste-to-Energy Facility

City of Vancouver Waste Quantities*

2022 - 2024

(Demo garbage not included)

YTD % Change: -2%



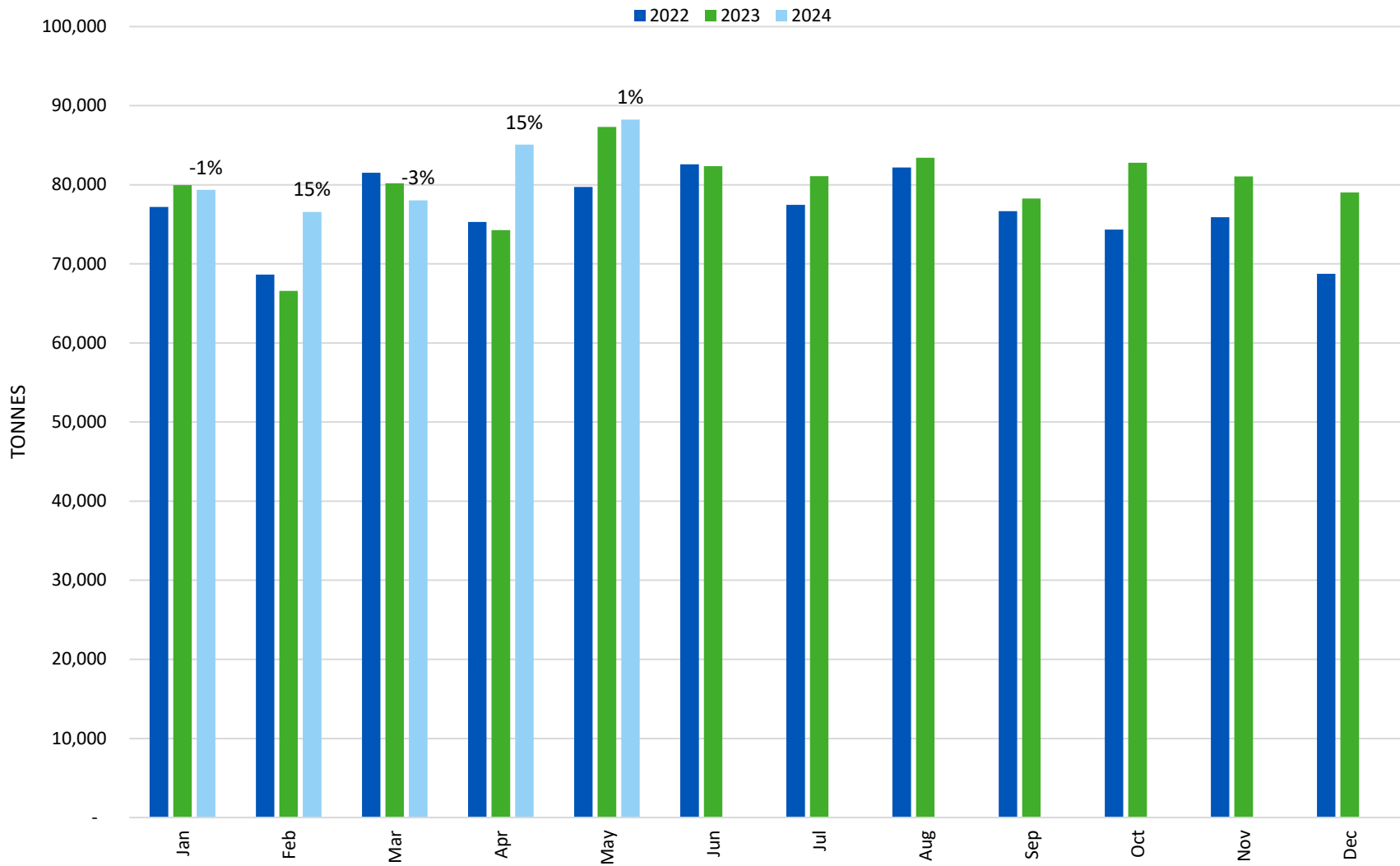
*Vancouver Landfill & Vancouver South Transfer Station

Metro Vancouver and City of Vancouver Waste Quantities

2022 - 2024*

(Demo garbage not included)

YTD % Change: 5%



*Metro Vancouver data reconciled to Feb 2024

SOLID WASTE AND RECYCLING INDUSTRY ADVISORY COMMITTEE 2024 WORK PLAN

June 11, 2024

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