

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

**Tuesday, October 3, 2023  
1:00 pm – 4:00 pm In-Person Meeting  
Scandinavian Community Centre  
6540 Thomas Street, Burnaby, BC**

**A G E N D A**

- 1. AGENDA**
    - 1.1 October 3, 2023 Meeting Agenda**
  - 2. MINUTES**
    - 2.1 September 12, 2023 Draft Meeting Minutes**
  - 3. WORKSHOP**
    - 3.1 Smart Waste Program and Draft Tipping Fees Bylaw Updates**  
*Engage Delaney*
  - 4. CO-CHAIR ELECTION**
  - 5. INFORMATION ITEMS**
    - 5.1 Draft Tipping Fee Bylaw Updates Discussion Paper**
    - 5.2 Smart Waste Program Discussion Paper**
    - 5.3 Industry Advisory Committee 2023 Work Plan**
-



**Committee Co-Chairs:**

Director Craig Hodge, Zero Waste

Committee Vice Chair

**Membership:**Abrams, Izzie - Waste Connections  
of CanadaAhmadi, Taufiq – Maple Leaf  
DisposalBerkhof, Edwin – Evergen  
Infrastructure Corp.Bryan, Lori - Waste Management  
Association of BCCarrusca, Ken - Cement  
Association of CanadaCollins, James - Tymac Launch  
Service Ltd.Coutts, Cindy – Encorp Pacific  
CanadaCrawford, Jeremy – Waste Control  
ServicesDietrich, Christian – Ecowaste  
Industries

Hankins, Grant – Minibins Canada

Johnson, Gord - Empower

Environmental/ Northstar

JansenVandoorn, Josh - Anaconda  
Systems Ltd.

Kaminski, Jamie - HSR Zero Waste

Kawakami, Sean - Convertus Group

Kiani, Aiden - Lock-Block Ltd.

Koehn, Leanne – Ridge Meadows  
Recycling Society

Lannin, Mike – Super Save Group

Lotzkar, Jacqueline - Pacific Metals  
Recycling Inc.

Mallari, Achilles - Sierra Waste

Services Ltd.

McAra, Matthew – GFL

McRae, Ralph – Revolution

Millman, David - Waste Management  
of Canada

Moucachen, Maya - Merlin Plastics

Plotnikoff, Terry - Canadian

Mattress Recycling Inc.

Polak, Mary – Waste Connections  
of Canada

Prasad, Shad - Cascade Recovery +

Sigmund, Sandy – Encorp Pacific  
CanadaStefenelli, Nicole - Urban Impact  
Recycling Inc.

Vargas, Pinky – Republic Services

Victor, Nicole - Covanta

Zarbl, Michael - Major Appliances  
Recycling Roundtable**Metro Vancouver and City of Vancouver Staff:**

Belanger, Lynn – City of Vancouver

Doorn, Nanette van – Metro  
Vancouver

Joy, Samantha - Metro Vancouver

Henderson, Paul – 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, September 12, 2023, via Zoom Video Conference.

**MEMBERS PRESENT:**

Craig Hodge, Director, Metro Vancouver  
Board of Directors (Co-Chair)  
Achilles Mallari, Sierra Waste Services Ltd.  
Aiden Kiani, Lock-Block Ltd.  
Christian Dietrich, Ecowaste Industries  
David Millman,  
Waste Management Association of Canada  
Edwin Berkof, Evergen infrastructure Corp.  
Gord Johnson,  
Empower Environmental/Northstar  
Grant Hankins,  
Mini Bins Canada  
Izzie Abrams, Waste Connections of Canada  
James Collins, Tymac Launch Service Ltd.  
Jamie Kaminski, HSR Zero Waste  
Jeremy Crawford, Waste Control Services

Josh JansenVandorn, Anaconda System Ltd.  
Ken Carrusca, Cement Association of Canada  
Leanne Koehn, Ridge Meadows Recycling  
Society  
Lori Bryan, Waste Management Assoc. of BC  
Mary Polak, Waste Connections of Canada  
Maya Moucachen, Merlin Plastics  
Michael Zarbl,  
Major Appliances Recycling Roundtable  
Mike Lannin, Super Save Group  
Nicole Stefenelli, Urban Impact Recycling  
Nicole Victor, Covanta  
Pinky Vargas, Republic Services  
Sean Kawakami, Convertus Group  
Shad Prasad, Cascade Recovery+

**MEMBERS ABSENT**

Jacqueline Lotzkar,  
Pacific Metals Recycling Inc.  
Matthew McAra, GFL Environmental Inc.  
Ralph McRae, Revolution

Sandy Sigmund, Encorp Pacific Canada  
Terryl Plotnikoff,  
Canadian Mattress Recycling  
Taufiq Ahmadi, Maple Leaf Disposal

**METRO VANCOUVER STAFF:**

Nanette van Doorn, Comms and Education Coordinator, Solid Waste Services  
Paul Henderson, General Manager, Solid Waste Services  
Samantha Joy, Engagement Specialist, Solid Waste Services  
Stephanie Liu, Senior Engagement Specialist, Solid Waste Services  
Terry Fulton, Senior Project Engineer, Solid Waste Services  
Zeenia Mizan, Communications Officer, Solid Waste Services

**PREPARATION OF MINUTES:** Megan Krempel, Raincoast Ventures Ltd.



# **Solid Waste and Recycling Industry Advisory Committee Meeting**

September 12, 2023

2:00 PM – 4:00 PM

Zoom

## **Agenda**

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1. Agenda
  - 1.1. September 12, 2023 Meeting Agenda
2. Minutes
  - 2.1. July 11, 2023 Meeting Minutes
3. Reports
  - 3.1 IAC Meeting Procedures
  - 3.2 Performance Metrics Scope
4. Other Business
  - 4.1. Zero Waste Committee Updates
  - 4.2. October Workshop Planning
  - 4.3. 2023 IAC Action Tracker and Summarize Meeting Action Items
  - 4.4. Solid Waste Management Plan Public Engagement Update
  - 4.5. 2023 Zero Waste Conference IAC Member Attendance
5. Co-Chair Nominations
6. Information Items
  - 6.1. Regional Waste Flows
  - 6.2. Industry Advisory Committee 2023 Work Plan
  - 6.3. Additional Workshop Feedback

## **References:**

- 1) IAC 2022 Committee Members List: <http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/SolidWasteRecycling-IAC-2022MembershipList.pdf>
- 2) IAC Terms of Reference: <http://www.metrovancouver.org/services/solid-waste/SolidWastePublications/ToR-IAC.pdf>



## MEETING MINUTES

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Co-Chair Craig Hodge called the meeting to order at 2:03 p.m. and welcomed attendees to the Solid Waste and Recycling Industry Advisory Committee meeting.

### 1. AGENDA

#### 1.1 September 12, 2023 Meeting Agenda

Co-Chair Hodge called for additions or changes to the agenda. No additions were put forward. The Co-Chair extended gratitude to Mary Polak, former IAC Co-Chair, for her dedication to the IAC for the past year, and noted that nominations for a new Co-Chair would be welcomed in Item 5 of the agenda. Participants were reminded to use the Zoom “raised hand” function to provide questions or comments and for voting purposes.

### 2. MINUTES

#### 2.1 July 11, 2023 Meeting Minutes

No errors or omissions were put forward.

### 3. REPORTS

#### 3.1 IAC Meeting Procedures

Paul Henderson, General Manager, Solid Waste Services, Metro Vancouver, referred to the IAC Meeting Procedures report provided with the agenda package and offered comments including:

- Staff will endeavour to post all materials related to Industry Advisory Committee meetings on the webpage one week prior to meetings (the terms of reference states 72 hours)
- Use of Zoom protocols and use of Zoom “raised hand” function to submit questions and to vote
- No virtual option for attendance at designated in-person meetings; observers must also attend in person
- Virtual meetings are live streamed through a link available publicly on the IAC webpage
- Virtual meeting recordings will be posted to the IAC webpage after each meeting
- Third-party note taker will continue to provide the record of the meetings

#### 3.2 Performance Metrics Scope

Terry Fulton, Senior Project Engineer, Metro Vancouver, and Todd Baker, Morrison Hershfield, reviewed a presentation titled “*Performance Metrics Scope – Metro Vancouver’s Solid Waste Management Plan Update*”, and informed of a study on current and emerging metrics, and what might be applicable to the region. Feedback will be sought from IAC members and other advisory committees

During the presentation, the following was highlighted:

- Background and process
- Vision and guiding principles phase



- Retention of Morrison Hershfield and Delaney to assist through the plan process with both technical and engagement tasks
- Current suite of performance metrics
- Morrison Hershfield's scope of work:
  - Jurisdictional and organizational review to identify and assess potential alternative targets and performance metrics
  - Development of a list of potential performance targets that are meaningful and make sense for the Metro Vancouver region
  - Review of existing Metro Vancouver performance metrics
- Tracking performance through the 5Rs Waste Reduction Hierarchy, reducing greenhouse gas emissions, supporting social equity, increasing education and awareness, and transitioning to a circular economy.

Committee members were asked to provide input on available data, how the scope tied in with the broader goals and objectives of the solid waste management plan, where to focus research, what jurisdictions to include, and what targets and data were important.

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

- Exploring possible metrics to track social equity
- Ensuring consistent accessibility to services
- Review applicability of metrics used in other jurisdictions
- Consider data privacy in the private sector and implications of requesting data from private facilities
- Accuracy of information

#### **4. OTHER BUSINESS**

##### **4.1 Zero Waste Committee Updates**

Paul Henderson advised that the Zero Waste Committee meetings are now being livestreamed. The next Zero Waste Committee meeting will be held on September 14, 2023, and will include the following reports: *"Waste-to-Energy Facility Environmental Monitoring"* and *"Reporting 2022 Update and Summary of Municipal Waste Collection Service Models"*.

In response to a question, it was noted that the July 2023 Zero Waste Committee Meeting had not been recorded; however, the draft meeting minutes were available.

##### **4.2 October Workshop Planning**

Stephanie Liu, Senior Engagement Specialist, Metro Vancouver, provided an overview of the in-person Industry Advisory Committee meeting and workshop scheduled for October 3, 2023, noting the workshop will be facilitated by Engage Delaney. The workshop will focus on the smart waste program and the draft Tipping Fee Bylaw updates



IAC members were advised of the opportunity to contact Engage Delaney directly prior to the October 3, 2023 workshop with any comments on how to frame the discussion and make the most of the session.

#### **4.3 2023 IAC Action Tracker and Summarize Meeting Action Items**

Paul Henderson referred to the action tracker and provided a progress update.

#### **4.4 Solid Waste Management Plan Public Engagement**

Samantha Joy, Engagement Specialist, Solid Waste Services, gave an update on current public engagement opportunities supporting the solid waste management plan update. An email will be sent to Industry Advisory Committee members with more information on scheduled events and how to participate.

#### **4.5 2023 Zero Waste Conference IAC Member Attendance**

Committee members were invited to register for the 2023 Zero Waste Conference being held November 1-2, 2023, noting their attendance would be at no cost.

### **5. CO-CHAIR NOMINATIONS**

Co-Chair Hodge called for nominations for the role of Co-Chair of the IAC Industry Advisory Committee. Hearing none, the Co-Chair called a second time for nominations. Hearing none, Co-Chair Hodge called a third time for nominations for the role of Co-Chair. Hearing none, the Chair deferred the Co-Chair nominations and election to the meeting scheduled for October 3, 2023. As per the IAC Terms of Reference, nominations can be made on the same day as the election. Anyone interested in the Co-Chair role is invited to contact Co-Chair Hodge directly.

Prior to the meeting close, Industry Advisory Committee member Ken Carrusca, who was not available to comment during the call for nominations for the IAC Co-Chair, nominated Michael Zarbl to be Co-Chair. Michael Zarbl accepted the nomination.

### **6. INFORMATION ITEMS**

#### **6.1 Regional Waste Flows**

#### **6.2 Industry Advisory Committee 2023 Work Plan**

#### **6.3 Additional Workshop Feedback**

In reference to the information items, the Co-Chair extended thanks for additional feedback received from the June workshop, noting that comments would be included in the report for the Vision and Guiding Principle phase of the update.

Co-Chair Hodge thanked IAC members for their participation and looked forward to seeing them at the October 3, 2023 meeting which would be taking place at the Scandinavian Community Centre in Burnaby at 1:00 p.m.

### **7. ADJOURNMENT**

The Solid Waste and Recycling Industry Advisory Committee meeting adjourned at 2:54 p.m.



# Industry Advisory Committee

October 3, 2023

## Draft Tipping Fee Bylaw Updates and Smart Waste Program Engagement





# AGENDA

- ❑ Welcome and housekeeping items (Kristi Merilees)
- ❑ Draft Tipping Fee Bylaw Updates Overview (Paul Henderson)
- ❑ Q&A (All)
- ❑ Feedback Session: Record keeping requirements (All)
- ❑ Smart waste program overview (Paul Henderson)
- ❑ Q&A (All)
- ❑ Small group dialogue: Identifying impacts and mitigation strategies (All)
- ❑ Next steps and workshop feedback (Kristi Merilees)
- ❑ Next Item – Co-chair election



# IAC WORKSHOP GUIDELINES

- ✓ Please ensure that you introduce yourself and your organization prior to asking a question or sharing feedback.
- ✓ The meeting is not being live-streamed and any observers are in-person.
- ✓ Meeting notes are being taken by Engage Delaney.
- ✓ Notes will not identify individuals or organizations but will distinguish between IAC members and staff.
- ✓ We will work as a group to balance airtime ensuring we hear from everyone.
- ✓ Different perspectives are welcome with respect.





United Boulevard Recycling and Waste Centre

# Draft Tipping Fee Bylaw Updates Overview

Paul Henderson, P.Eng.

General Manager, Solid Waste Services

**metro**vancouver



# DRAFT TIPPING FEE BYLAW UPDATES

1

Brief overview of the draft Tipping Fee Bylaw updates

2

What is being updated and why?

3

What areas are we specifically seeking feedback on?

4

How can you and others provide feedback?



# DRAFT TIPPING FEE BYLAW UPDATES: OVERVIEW

## GENERATOR LEVY - \$59 / TONNE

- The Tipping Fee Bylaw, including the generator levy, is authorized through the *GVS&DD Act*
- Generator levy came into effect January 1, 2018

**Waste delivered to regional facilities**

Generator levy included in the tipping fee

**Waste delivered to other facilities**

Generator levy must be remitted to Metro Vancouver



## NO GENERATOR LEVY

Dry Recyclables



Residential and  
Commercial Organics



Construction and  
Demolition



Industrial



Agricultural



To processors for  
recycling and disposal

## GENERATOR LEVY

METRO VANCOUVER  
OR  
CITY OF VANCOUVER  
disposal facilities

**TIPPING FEE** includes  
**GENERATOR LEVY**



FACILITIES  
OTHER THAN  
METRO VANCOUVER  
OR  
CITY OF VANCOUVER

Haulers remit  
**GENERATOR LEVY**  
to Metro Vancouver



# BENEFITS OF GENERATOR LEVY

- ✓ All waste generators contribute to funding the fixed costs of solid waste system
- ✓ Encourage waste reduction as disposal bans apply at regional facilities
- ✓ Reliable data collection
- ✓ Same rules apply to all waste haulers





# WHAT IS BEING UPDATED AND WHY?

Draft Tipping Fee Bylaw updates:

- Streamline definitions
- Strengthen records management requirements
- Improve enforceability of the bylaw, including a max fine and enhanced inspection powers

**The draft updates do not change the applicability of the generator levy.**



# HOW YOU AND OTHERS CAN PROVIDE FEEDBACK

What areas are we specifically seeking feedback on?

## Updated Definitions and Exemptions

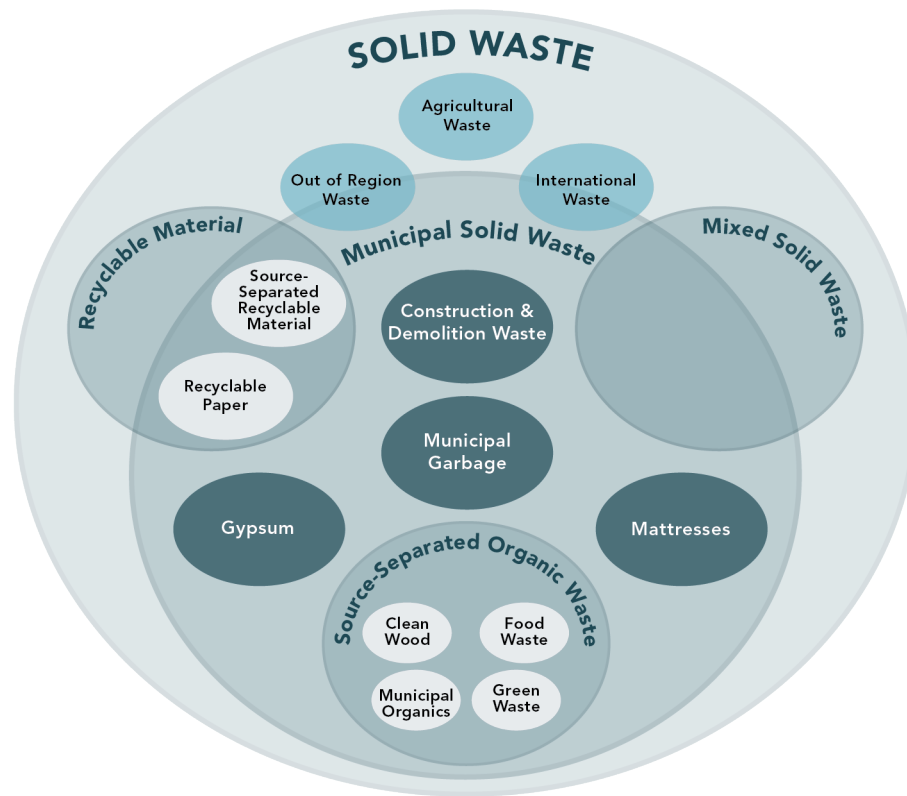
Are they clear, complete and logical?

## Records requirements

Are these records currently collected and retained? What are the barriers or concerns related to sharing these records with Metro Vancouver?



# UNDERSTANDING SOLID WASTE RELATIONSHIPS





# DRAFT DEFINITIONS

Definitions related to record keeping requirements

Term	Draft Definition
Collection Location	an address from which a Waste Hauler picks up or transports Solid Waste
Compliance Manager	the person employed by MVRD as the Director of Environmental Regulation and Enforcement and includes any person designated to act in their place from time to time
Compliance Officer	a person employed by MVRD as an Environmental Control Officer, a Permitting and Enforcement Officer or an Assistant Permitting and Enforcement Officer
Generator	a person who generates Solid Waste, and includes a person who uses the services of a Waste Hauler for the pick up, transport or delivery of Solid Waste
Generator Levy	the levy payable by a Generator pursuant to this Bylaw at the rate set out at section 5.1



# DRAFT DEFINITIONS

## Definitions related to record keeping requirements

Term	Draft Definition
Product Steward	a legal entity, such as an organization, company or non-profit society, that develops and implements extended producer responsibility plans for managing the recovery of Product Stewardship Materials and fulfilling the obligations under the Recycling Regulation
Receiving Facility	a Solid Waste Facility, Vancouver Disposal Site or other facility or location to which a Waste Hauler delivers Solid Waste
Vehicle Operating Log	data associated with the pick up, transport or delivery of Solid Waste by a Waste Hauler's vehicle during each shift, including the Collection Location from which Solid Waste is picked up or transported, the number of kilometres over which the vehicle is driven during a shift, and the number of hours during which a vehicle is operated for the purpose of picking up, transporting or delivering Solid Waste, but excluding information related to the vehicle operator's job performance such as the number or timing of off-duty hours



# DRAFT RECORD KEEPING REQUIREMENTS

Shortened from Bylaw for simplicity

## Record Required

(a) the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD, for every Load

(b) the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD and delivered to a Solid Waste Facility or Vancouver Disposal Site, for every Load

(c) the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD and delivered to a Receiving Facility other than Solid Waste Facility or a Vancouver Disposal Site, for every Load

(d) the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD and mixed with waste from outside the geographic area of the GVS&DD, including the approximate breakdown of the percentage of each Load from within the geographic area of the GVS&DD

(e) the name and address of the Receiving Facility and date and time (including Loads mixed with waste from outside the geographic area of the GVS&DD)



# DRAFT RECORD KEEPING REQUIREMENTS

Shortened from Bylaw for simplicity

## Record Required

(f) the Collection Location(s) for each Load from within the geographic area of the GVS&DD

(g) the number of containers for each material type and each container's volume at each Collection Location within the geographic area of the GVS&DD

(h) the dates on which the Waste Hauler picked up from each Collection Location within the geographic area of the GVS&DD

(i) daily routing information for vehicles picking up or transporting Municipal Solid Waste from within the geographic area of the GVS&DD

(j) for each vehicle that picks up or transports a Load of Municipal Solid Waste from within the geographic area of the GVS&DD: (i) the vehicle identification number; (ii) the capacity of the vehicle; and (iii) Vehicle Operating Logs

(k) for each Load from within the geographic area of the GVS&DD, the weigh scale tickets or receipts from the applicable Receiving Facility

(l) if the records created by the Waste Hauler do not use the definitions in this Bylaw to describe the materials, a glossary of terms used in the records created by the Waste Hauler



# DRAFT RECORD KEEPING REQUIREMENTS

We are seeking to understand:

- Do haulers typically collect this information?
- How is the information collected/stored (format)?
- How long do haulers typically maintain each record for?
- What are the barriers or concerns related to sharing these records with Metro Vancouver?
- How can those barriers or concerns be best addressed?
- Do you have any suggestions for improved clarity on the record keeping requirements?



# DRAFT UPDATED EXEMPTIONS

- Loads of construction and demolition waste and source-separated recyclables delivered to private facilities continue to be exempt from the generator levy.
- Record keeping related exemptions:
  - Single-family residential garbage, source separated recyclables or product stewardship materials collected by municipalities, their contractors or product stewardship agencies are exempt from some record keeping requirements.
  - A provision will also be added to exempt construction and demolition waste from records management requirements.



# DRAFT TIPPING FEE BYLAW UPDATES - ENGAGEMENT







# Round Table: Questions & Clarification Related to the Draft Tipping Fee Bylaw

Photo Caption here





# RECORD KEEPING REQUIREMENTS – FEEDBACK SESSION

At your table groups there is a recording template which outlines each of the draft record keeping requirements





# RECORD KEEPING REQUIREMENTS— FEEDBACK SESSION

Example: Units of measure and quantity for every load

- Do haulers typically collect this information?
- How is the information collected/stored (format)?
- How long do haulers typically retain records for?
- What are the barriers or concerns related to sharing these records with Metro Vancouver?
- How can those barriers or concerns be best addressed?
- Do you have any suggestions for improved clarity on the record keeping requirements?





# DRAFT TIPPING FEE BYLAW:

How can you and others provide feedback?

- ☐ Today, we are seeking to engage on the topic of records management.
- ☐ We have developed an online feedback form for input on draft definitions, exemptions and record keeping requirements. This feedback form will be open until October 31.
- ☐ Feedback can also be sent via email to:  
[solidwasteoperations@metrovancover.org](mailto:solidwasteoperations@metrovancover.org)
- ☐ All feedback will be reflected in the engagement summary that will be developed by the facilitator.
- ☐ Feedback will be shared with the Zero Waste Committee and Board





Break







United Boulevard Recycling and Waste Centre

# Smart Waste Program Overview

Paul Henderson, P.Eng.

General Manager, Solid Waste Services

**metro**vancouver



# SMART WASTE PROGRAM

1

Brief overview of the smart waste program

2

What areas are we specifically seeking feedback?

3

How can you and others can provide feedback?



# SMART WASTE PROGRAM: OVERVIEW

Uses location-based electronic devices placed in publicly accessible multi-family residential and commercial/institutional garbage containers.

Data will:

- ✓ Enhance understanding of the movement of waste
- ✓ Assist with future solid waste system and facility planning
- ✓ Help confirm compliance with the generator levy



# SMART WASTE PROGRAM

## Feedback

- ✓ Metro Vancouver is committed to engaging with industry to identify any opportunities to mitigate concerns.
- ✓ We are looking to understand industry's perspective as relates to impacts and how to manage them.
- ✓ Metro Vancouver is seeking to understand positive and negative impacts (direct, indirect and unintended) and how we can work together to manage those impacts.



An aerial photograph of a coastal town, likely Nanaimo, British Columbia. The image shows a large bridge spanning a body of water, with industrial areas and residential neighborhoods visible. In the background, there are large, forested mountains under a cloudy sky. The foreground shows a residential area with houses and trees.

# Round Table:

## Questions & Clarification Related to Smart Waste implementation





# SMALL GROUP DIALOGUE

## Recording Template

- ☐ Please share your feedback on the smart waste program, including direct, indirect, and unintentional impacts.
- ☐ How could the identified impacts be mitigated or addressed?

Please record your contributions.



# SMART WASTE PROGRAM – ENGAGEMENT





# SMART WASTE PROGRAM

## Feedback

Additional opportunities to provide feedback after this workshop include:

- ☐ Online feedback form for input until October 31.
- ☐ Provide feedback via email to [solidwasteoperations@metrovancover.org](mailto:solidwasteoperations@metrovancover.org)
- ☐ Feedback will be reflected in an engagement summary that will be developed by the facilitator.





# Next Steps and Workshop Feedback

**metro**vancouver





# Draft Tipping Fee Bylaw Updates

The draft Tipping Fee Bylaw updates streamline definitions, strengthen records management requirements, and improve enforceability of the bylaw.

## Key information

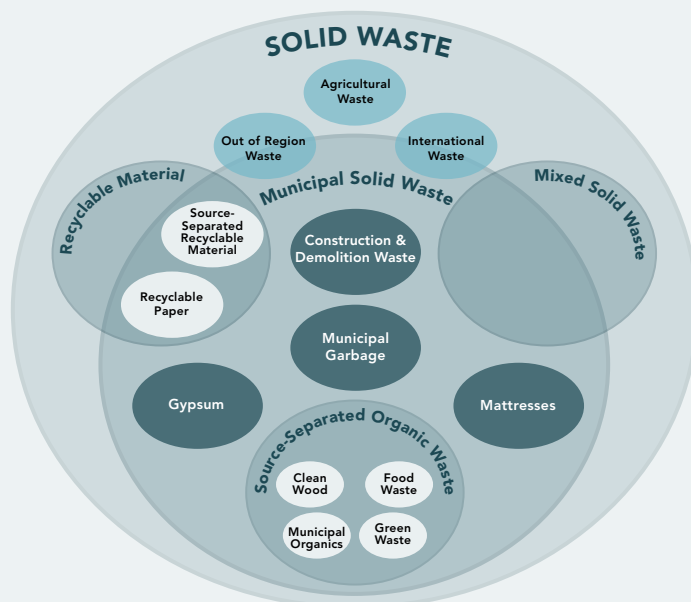
The draft Tipping Fee Bylaw updates build on generator levy requirements in the Tipping Fee Bylaw that came into effect January 1, 2018. The draft updates do not change the types of materials the generator levy applies to, and specifically construction and demolition waste delivered to private facilities is not subject to the generator levy. Feedback during engagement will help inform a revision of the draft Tipping Fee Bylaw updates.

## Generator levy

- Key contributor to Metro Vancouver's continued success in advancing waste reduction, recycling, greenhouse gas emission reductions, and a circular economy.
- The generator levy is included in the garbage tipping fee collected at regional solid waste facilities (\$59 per tonne in 2023, or roughly half the garbage tipping fee); however, if garbage from residential or commercial/institutional sources is delivered to other facilities, haulers must collect and remit the generator levy to Metro Vancouver.
- Generator levy benefits:
  - i. encourages waste reduction as disposal bans can be applied at regional solid waste facilities
  - ii. ensures all garbage generators contribute to funding the fixed costs of the regional solid waste system.
- The Tipping Fee Bylaw, including the generator levy, is authorized through the GVS&DD Act.

## Updated definitions

The following diagram summarizes the relationships among materials included in the Tipping Fee Bylaw definitions.





The following table describes additional draft updates to definitions:

Terms	Updated Definition
<b>Collection Location</b>	an address from which a Waste Hauler picks up or transports Solid Waste
<b>Compliance Manager</b>	the person employed by MVRD as the Director of Environmental Regulation and Enforcement and includes any person designated to act in their place from time to time
<b>Compliance Officer</b>	a person employed by MVRD as an Environmental Control Officer, a Permitting and Enforcement Officer or an Assistant Permitting and Enforcement Officer
<b>Generator</b>	a person who generates Solid Waste, and includes a person who uses the services of a Waste Hauler for the pick up, transport or delivery of Solid Waste
<b>Generator Levy</b>	the levy payable by a Generator pursuant to this Bylaw at the rate set out at section 5.1
<b>Product Steward</b>	a legal entity, such as an organization, company or non-profit society, that develops and implements extended producer responsibility plans for managing the recovery of Product Stewardship Materials and fulfilling the obligations under the Recycling Regulation
<b>Receiving Facility</b>	a Solid Waste Facility, Vancouver Disposal Site or other facility or location to which a Waste Hauler delivers Solid Waste
<b>Vehicle Operating Log</b>	data associated with the pick up, transport or delivery of Solid Waste by a Waste Hauler's vehicle during each shift, including the Collection Location from which Solid Waste is picked up or transported, the number of kilometres over which the vehicle is driven during a shift, and the number of hours during which a vehicle is operated for the purpose of picking up, transporting or delivering Solid Waste, but excluding information related to the vehicle operator's job performance such as the number or timing of off-duty hours

## Updated record keeping requirements

Record keeping requirements in the draft Tipping Fee Bylaw are summarized below. Requirements have been shortened for simplicity. Please refer to the [July 13, 2023 Zero Waste Committee report](#) (Item 5.4: Draft Tipping Fee Bylaw Updates) for precise descriptions of each requirement:

- the units of measure and quantity picked up from or transported for Generators within [the geographic area of the GVS&DD](#), for every Load;
- the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD and delivered to a Solid Waste Facility or Vancouver Disposal Site, for every Load;
- the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD and delivered to a Receiving Facility other than Solid Waste Facility or a Vancouver Disposal Site, for every Load;
- the units of measure and quantity picked up from or transported for Generators within the geographic area of the GVS&DD and mixed with waste from outside the geographic area of the GVS&DD, including the approximate break-down of the percentage of each Load from within the geographic area of the GVS&DD;
- the name and address of the Receiving Facility and date and time (including Loads mixed with waste from outside the geographic area of the GVS&DD);
- the Collection Location(s) for each Load from within the geographic area of the GVS&DD;
- the number of containers for each material type and each container's volume at each Collection Location within the geographic area of the GVS&DD;
- the dates on which the Waste Hauler picked up from each Collection Location within the geographic area of the GVS&DD;
- daily routing information for vehicles picking up or transporting Municipal Solid Waste from within the geographic area of the GVS&DD;
- for each vehicle that picks up or transports a Load of Municipal Solid Waste from within the geographic area of the GVS&DD:
  - the vehicle identification number;
  - the capacity of the vehicle; and
  - Vehicle Operating Logs;
- for each Load from within the geographic area of the GVS&DD, the weigh scale tickets or receipts from the applicable Receiving Facility; and
- if the records created by the Waste Hauler do not use the definitions in this Bylaw to describe the materials, a glossary of terms used in the records created by the Waste Hauler.





## Exemptions

Single-family residential garbage, source separated recyclables or product stewardship materials collected by municipalities, their contractors or product stewardship agencies are exempt from some record keeping requirements.

A provision will also be added to exempt construction and demolition waste from records management requirements.

Loads of construction and demolition waste and source-separated recyclables delivered to private facilities continue to be exempt from the generator levy.

## Compliance Promotion Tools

- \$200,000 per offence maximum fine
- Enhanced inspection powers

## Engagement

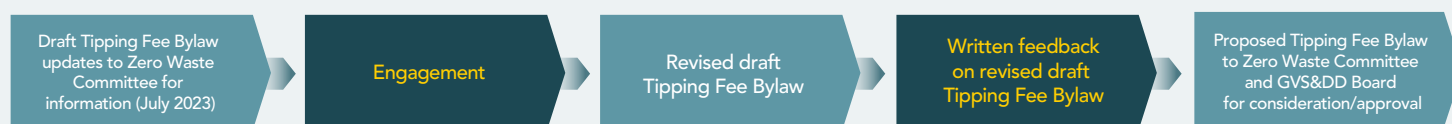
Metro Vancouver is seeking feedback on definitions, record-keeping requirements, and exemptions. Feedback learned during the engagement process will help to inform updates to the draft Tipping Fee Bylaw. There will be an opportunity to provide written feedback on a revised draft of the Tipping Fee Bylaw that will be produced following engagement. All feedback, as well as any additional updates made to the draft Tipping Fee Bylaw as a result of that round of written feedback will be shared with the Metro Vancouver Zero Waste Committee and GVS&DD Board for consideration and approval.

## Engagement questions

- Do you have any questions or feedback about the updated definitions?
- Do you have any questions or feedback about the exemptions in the draft Tipping Fee Bylaw?
- Regarding draft record keeping requirements:
  - o Do haulers typically collect this information?
  - o How is the information collected/stored (format)?
  - o How long do haulers typically retain records for (collected but not retained, 1 month, 6 months, 1 year, 5 years, other)
  - o What are the barriers or concerns related to sharing these records with Metro Vancouver?
  - o How can those barriers or concerns be best addressed?
  - o Do you have any suggestions for improved clarity on the record keeping requirements?

## Reference

The draft updated Tipping Fee Bylaw is available online as an attachment to a [July 13, 2023 Zero Waste Committee report](#) (Item 5.4 Draft Tipping Fee Bylaw Updates).



*Note: In the event of any inconsistency between the information in this document and the draft updated Tipping Fee Bylaw, the information in the Draft Tipping Fee Bylaw will prevail.*





# Smart Waste Program

The new smart waste program involves depositing location-based electronic devices in publicly accessible multi-family residential and commercial/institutional garbage containers to observe the movement of waste around the region.

## Purpose

The purpose of the program is to enhance understanding of the movement of waste around the region, assist with future solid waste system and facility planning, and help confirm compliance with the generator levy.

## Key information

- Assessments confirmed lowest environmental impact of methodologies reviewed, and negligible health and safety risks associated with the program.
- No personal information to be collected.
- The smart waste program will be implemented following engagement to identify opportunities to mitigate potential impacts.

## Engagement

Metro Vancouver is engaging with solid waste and recycling industry members on how to best implement the smart waste program. Engagement will provide an opportunity for feedback on potential impacts of implementation and how those impacts can be mitigated. Learnings from the engagement process will help to inform a draft smart waste program implementation plan. There will be an opportunity to provide written feedback on the draft implementation plan.

## Engagement questions

- Please share your feedback on the smart waste program, including potential direct, indirect, and unintentional impacts.
- How could the identified impacts be mitigated or addressed?

**Reference** - page 137 of this PDF

[July 13, 2023 Zero Waste Committee Report](#)





## Solid Waste and Recycling Industry Advisory Committee 2023 Draft Work Plan

Report Date: Sept 12, 2023

<b>Priorities</b>	
<b>1<sup>st</sup> Quarter</b>	<b>Status</b>
2021 Solid Waste and Recycling Annual Report	Complete
Call for Submissions for 2023 IAC Membership	Complete
Jurisdictional Scan of Recycling Statistics and Methodologies	Complete
Regional Solid Waste System Assessment Study	Complete
<b>2<sup>nd</sup> Quarter</b>	<b>Status</b>
Disposal Ban Program Review report out	In Progress
IAC Co-Chair Election	Complete
Workshop 1: Solid Waste Management Plan Update Vision and Guiding Principles	Complete
Zero Waste Committee/Public and Technical Advisory Committee Co-Chair Report out on Industry Advisory Committee Activities	In Progress
<b>3<sup>rd</sup> Quarter</b>	<b>Status</b>
2022 Disposal Ban Program Update	In Progress
2022 Waste Composition Program Results	In Progress
National Zero Waste Council Presentation on Incorporating Input in the Solid Waste Management Plan Update	Pending
Roles of public and private sector in providing essential solid waste management services and advancing zero waste and the circular economy – potential workshop topic	Pending
<b>Solid Waste Regulatory Framework</b>	<b>In Progress</b>
Solid Waste Residual Management Options Study Update	Pending
Workshop 2: Topics to be determined	Pending
<b>4<sup>th</sup> Quarter</b>	<b>Status</b>
Circular Economy/ 3Rs Study	Pending
<b>Metro Vancouver Procurement process – Presentation and Discussion</b>	<b>Pending</b>
<b>Recycling statistics – Presentation and Discussion</b>	<b>Pending</b>
Solid Waste Management Plan Update – Guiding Principles Report Back	Pending
<b>Solid Waste Services 2024 Budget and Capital Plan</b>	<b>Pending</b>
Solid Waste Services Financial Plan/2024 Proposed Garbage Tipping Fees	Pending