METRO VANCOUVER REGIONAL DISTRICT
ZERO WASTE COMMITTEE

REGULAR MEETING

Friday, January 17, 2020
9:00 a.m.
28th Floor Committee Room, 4730 Kingsway, Burnaby, British Columbia

AGENDA

1. ADOPTION OF THE AGENDA

1.1 Zero Waste Committee Regular Meeting Agenda
That the Zero Waste Committee adopt the agenda for its regular meeting scheduled for January 17, 2020 as circulated.

2. ADOPTION OF THE MINUTES

2.1 November 15, 2019 Regular Meeting Minutes
That the Zero Waste Committee adopt the minutes of its regular meeting held November 15, 2019 as circulated.

3. DELEGATIONS

4. INVITED PRESENTATIONS

5. REPORTS FROM COMMITTEE OR STAFF

5.1 2020 Zero Waste Committee Priorities and Work Plan
Designated Speaker: Paul Henderson, General Manager, Solid Waste Services
That the Zero Waste Committee:
   a) endorse the work plan as presented in the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”; and
   b) receive for information the Zero Waste Committee Terms of Reference as attached to the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”.

1 Note: Recommendation is shown under each item, where applicable.
5.2 **2019 Integrated Solid Waste & Resource Management Plan Biennial Report**  
*Designated Speaker: Andrew Marr, Director, Solid Waste Planning, Solid Waste Services*  
That the GVS&DD Board direct staff to:  
a) send the draft 2019 Integrated Solid Waste & Resource Management Plan Biennial Report to First Nations and the public; and  
b) submit the 2019 Integrated Solid Waste & Resource Management Plan Biennial Report to the Ministry of Environment and Climate Change Strategy, along with any feedback received.

5.3 **Board Appointment and Rescindments of Bylaw Enforcement Officers**  
*Designated Speaker: Ray Robb, Division Manager, Environmental Regulation and Enforcement, Parks and Environment*  
That the GVS&DD Board:  
a) pursuant to *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw* and the *Environmental Management Act*:  
   i. rescind the appointments of the following persons as officers: Kristen Beattie, Larry Avanthay, and Johanna Legge,  
   ii. appoint Metro Vancouver employee Nicole Gatto as an officer; and  

5.4 **Manager’s Report**  
*Designated Speaker: Paul Henderson, General Manager, Solid Waste Services*  
That the Zero Waste Committee receive for information the report dated January 9, 2020 titled “Manager’s Report”.

6. **INFORMATION ITEMS**

7. **OTHER BUSINESS**

8. **BUSINESS ARISING FROM DELEGATIONS**

9. **RESOLUTION TO CLOSE MEETING**  
*Note: The Committee must state by resolution the basis under section 90 of the Community Charter on which the meeting is being closed. If a member wishes to add an item, the basis must be included below.*

That the Zero Waste Committee close its regular meeting scheduled for January 17, 2020 pursuant to the *Community Charter* provisions, Section 90 (1) (i) and (j) as follows:  

90 (1) A part of the meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
(i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose; and
(j) information that is prohibited, or information that if it were presented in a document would be prohibited, from disclosure under section 21 of the Freedom of information and Protection of Privacy Act.

10. **ADJOURNMENT/CONCLUSION**

That the Zero Waste Committee adjourn/conclude its regular meeting of January 17, 2020.

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**Membership:**

Froese, Jack (C) - Langley Township  
Hodge, Craig (VC) - Coquitlam  
Calendino, Pietro - Burnaby  
Cameron, Craig - West Vancouver  
Elford, Doug - Surrey  
Fathers, Helen - White Rock  
Fry, Pete - Vancouver  
Little, Mike - North Vancouver District  
Martin, Gayle - Langley City  
McDonald, Bruce - Delta  
Morden, Mike - Maple Ridge  
Steves, Harold - Richmond  
Vagramov, Rob - Port Moody
MINUTES OF THE REGULAR MEETING OF THE METRO VANCOUVER REGIONAL DISTRICT
ZERO WASTE COMMITTEE

Minutes of the Regular Meeting of the Metro Vancouver Regional District (MVRD) Zero Waste Committee held at 9:00 a.m. on Friday, November 15, 2019 in the 28th Floor Committee Room, 4730 Kingsway, Burnaby, British Columbia.

MEMBERS PRESENT:
Chair, Mayor Jack Froese, Langley Township
Vice Chair, Councillor Craig Hodge, Coquitlam
Councillor Pietro Calendino, Burnaby (arrived at 9:20 a.m.)
Councillor Craig Cameron, West Vancouver (arrived at 9:02 a.m.)
Councillor Doug Elford, Surrey
Councillor Helen Fathers, White Rock
Councillor Pete Fry, Vancouver
Mayor Mike Little, North Vancouver District
Councillor Gayle Martin, Langley City (arrived at 9:11 a.m.)
Mayor Mike Morden, Maple Ridge (arrived at 9:20 a.m.)
Councillor Harold Steves, Richmond (departed at 10:05 a.m.)
Councillor Mary Trentadue, New Westminster

MEMBERS ABSENT:
Councillor Hunter Madsen, Port Moody

STAFF PRESENT:
Paul Henderson, General Manager, Solid Waste Services
Janis Knaupp, Legislative Services Coordinator, Board and Information Services

1. ADOPTION OF THE AGENDA

1.1 Zero Waste Committee Regular Meeting Agenda

It was MOVED and SECONDED
That the Zero Waste Committee:
   a) adopt the revised agenda for its regular meeting scheduled for November 15, 2019 by adding Item 3.3 Michael Stephen; and
   b) adopt the agenda as amended.

CARRIED
2. ADOPTION OF THE MINUTES

2.1 October 18, 2019 Regular Meeting Minutes

It was MOVED and SECONDED
That the Zero Waste Committee adopt the minutes of its regular meeting held October 18, 2019 as circulated.

CARRIED

9:02 a.m. Councillor Cameron arrived at the meeting.

3. DELEGATIONS

3.1 Tom Land, President and CEO, Ecowaste Industries Ltd.
Tom Land, Ecowaste Industries Ltd. (Ecowaste), provided members with an overview of Montrose Property Holdings and Ecowaste highlighting activities including investments, goals and implementation of diversion plans, and historical and forecasted regional construction and demolition (C&D) diversion rates between 2012 and 2023.

The delegation requested all facilities in the sector be licensed and inspected, the private-sector be permitted to continue to lead C&D diversion, and Ecowaste be included in reviewing the Integrated Solid Waste and Resource Management Plan.

9:11 a.m. Councillor Martin arrived at the meeting.

In response to questions about Ecowaste, the delegation spoke about:
- a multi-step on-site materials screening process
- concrete and wood recycling efforts
- the majority of deconstruction lumber not being salvageable
- temporary storage of deconstruction materials to support reuse efforts
- equipment batteries contaminating recycling
- currently supplying alternative fuel to local industrial processors
- local business being better suited to participate in global commodities
- opportunities to explore the refinement of product streams

In response to questions, staff informed members about:
- regulations related to requirements for source-separating C&D materials being within municipal jurisdiction
- older homes having higher value materials and greater reuse ability
- challenges with remarketing deconstruction materials

Request of Staff
Staff was requested to explore opportunities for the Zero Waste Committee to tour the Ecowaste Industries Ltd. facility in the City of Richmond.
Presentation material titled “Ecowaste Industries Lt. Enhancing C&D Diversion” is retained with the November 15, 2019 agenda.

9:20 a.m. Councillor Calendino and Mayor Morden arrived at the meeting.

3.2 Wil Tarnasky, SportsFleets Ventures
Will Tarnasky, SportsFleets Ventures, spoke to the Committee about a new technology brought into Canada in 2018 responding to concerns about single-use plastic highlighting plastics currently being landfilled, greenwashing by industry labeling products as ‘biodegradable’ or ‘compostable’ such as dog waste bags containing synthesized ingredients that cannot be processed or recycled, and senior government interest to support local governments in shifting towards products with recycled content or plastic alternatives.

Members were informed the product is 100% corn-flour based, decomposes in six-months and has a 12- to 18-month shelf life, based on indoor/outdoor use.

Staff informed members that Metro Vancouver and the Recycling Council of BC are co-hosting an upcoming workshop to discuss compostable plastics issues.

Presentation material titled “Is your City Ahead of the Plastic-Free Movement?” is retained with the November 15, 2019 agenda.

3.3 Michael Stephen
Michael Stephen spoke to Item 5.1 of the agenda expressing concerns about amount and types of foreign debris found in compost following facility processing, provincial regulatory standards limiting factors associated with foreign debris in compost, and about health and safety concerns associated with contaminated compost.

The delegation requested the Zero Waste Committee:

a) consider the possibility that a significant proportion of the yard and food waste reported as recycled in the November 8, 2019 report titled “Recycling and Solid Waste Management 2018 Report”, was contaminated with plastic and other debris (foreign debris) and did not comply with standards;
b) direct staff to create and implement a policy whereby Metro Vancouver’s members use only compost products that are virtually-free of foreign debris;
c) ask the federal and provincial governments to help compost producers quickly comply with applicable government standards regarding foreign debris;
d) direct staff to create and implement a regional plan for all compost production and use, ensuring it is virtually-free of foreign debris; and
e) direct staff to map and rate according to risk level the location of soils contaminated with foreign debris from compost products, starting with sensitive sites such as community gardens and farms, and to remediate or develop containment plans for these contaminated soils.
In response to questions, the delegation spoke to members about:

- defining “virtually-free” through Canadian Landscaping Standards
- facilities needing to identify and remove foreign materials prior to processing
- the importance of healthy and safe compost for use in food production
- challenges with removing fruit stickers found in compost
- demanding higher quality compost to evoke changes in processing practices

Staff updated members on the status of the Province of BC’s *Organic Matter Recycling Regulation* review and Metro Vancouver’s comments submitted.

On-table executive summary was distributed to members and is retained with the November 15, 2019 agenda along with presentation material titled “Plastic Debris in Compost related to Item 5.1 on the Agenda for November 15, 2019”.

4. **INVITED PRESENTATIONS**

No items presented.

5. **REPORTS FROM COMMITTEE OR STAFF**

5.1 **Recycling and Solid Waste Management 2018 Report**

Report dated November 8, 2019 from Adriana Velázquez, Project Engineer and Maria Lo, Assistant Project Engineer, Solid Waste Services, providing an update on the overall reduction, recycling and disposal of municipal solid waste from the Metro Vancouver region in 2018.

Members were provided with a presentation on the 2018 report on recycling and solid waste management highlighting *Integrated Solid Waste and Resource Management Plan* targets, data sources, diversion rate (not including agricultural or heavy industrial users), total disposal, recycling, and diversion compared to 2017, generation and diversion rates between 1994 and 2018, 5-year rolling average tonnes per capita generation, total estimated reuse for 2017 and 2018, and overall performance.

Presentation material titled “Recycling & Solid Waste Management 2018 Report” is retained with the November 15, 2019 agenda.

It was MOVED and SECONDED

That the GVS&DD Board receive for information the report dated November 8, 2019 titled “Recycling and Solid Waste Management 2018 Report”.

CARRIED

5.2 **Solid Waste Management Plan Update**

Report dated November 8, 2019 from Sarah Evanetz, Division Manager Solid Waste Programs and Public Involvement, Solid Waste Services, seeking GVS&DD
Board authorization to initiate updating Metro Vancouver’s Integrated Solid Waste and Resource Management Plan.

**It was MOVED and SECONDED**
That the GVS&DD Board:

a) authorize initiating an update of the regional solid waste management plan; and
b) direct staff to notify the public and First Nations of its intention to review the plan and bring an engagement plan to the Board in early 2020 in advance of initiating consultation on the plan update.

**CARRIED**

### 5.3 B.C.’s Plastic Action Plan Policy Consultation Paper Feedback

Report dated November 8, 2019 from Sarah Evanetz, Division Manager Solid Waste Programs and Public Involvement and Karen Storry, Senior Project Engineer, Solid Waste Services, providing a summary of the BC Plastics Action Plan Policy consultation paper, and seeking GVS&DD Board approval to write to the Minister of Environment and Climate Change Strategy with feedback on the consultation paper.

**It was MOVED and SECONDED**
That the GVS&DD Board write to the Minister of Environment and Climate Change Strategy in response to B.C.’s Plastics Action Plan Policy consultation paper expressing support for:

1. province-wide restrictions on the sale and use of problematic single-use plastics and authority for local governments to restrict the distribution of problematic single-use items in their communities in addition to any province-wide bans;
2. increasing materials included in the Provincial Recycling Regulation; and
3. other measures to reduce plastics overall and capture more plastics.

**CARRIED**

### 5.4 2018 Regional Solid Waste System Summary

Report dated November 8, 2019 from Allen Jensen, Project Engineer, Solid Waste Services, providing an overview of the waste management services provided by the regional solid waste system in 2018.

Members were updated on the 2018 regional solid waste system highlighting facilities and transfer stations, customer use of regional facilities, regional garbage disposal by destination, and regional facility fact sheets.

10:05 a.m. Councillor Steves departed the meeting.

In response to questions, members were informed about:

- approach and rationale for allocating waste between disposal facilities
- staff efforts to explore the expansion of recycling services to municipal depots
- historical challenges with unstaffed micro-/community-based depots
• staff plans to continue to explore opportunities to reduce GHGs as part of the solid waste management plan review process

Members suggested that staff indicate in future reports and facts sheets if municipal recycling depots waste disposal data is included or not. Members discussed the effectiveness of municipal bulk-item curbside pickup services.

Presentation material titled “Regional Solid Waste System in 2018” is retained with the November 15, 2019 agenda.

**It was MOVED and SECONDED**
That the Zero Waste Committee receive for information the report dated November 8, 2019, titled “2018 Regional Solid Waste System Summary”.

**CARRIED**

5.5 Alternative Fuel and Recyclables Recovery Project Procurement Update

Report dated November 7, 2019 from Terry Fulton, Project Engineer, Solid Waste Services, providing an update on the procurement status and project scope for the alternative fuel and recyclables recovery project business case.

In response to questions, members were updated on:
• comprehensive regional emissions monitoring efforts
• outreach and engagement through Climate 2050 and Caring for the Air Report
• regional solid waste activities contributing to 3% of total GHG emissions in the region; the Waste-to-Energy Facility generating a total of 0.4% NOx, down from 0.9% as a result of facility upgrades
• the process in determining which committee a report is brought forward to for decision versus information where the subject matter may overlap

**Request of Staff**
Staff was requested to seek input from the Climate Action Committee on the Alternative Fuel and Recyclables Recovery Project, prior to bringing the matter forward to the Board for final consideration.

**It was MOVED and SECONDED**
That the Zero Waste Committee receive for information the report dated November 7, 2019, titled “Alternative Fuel and Recyclables Recovery Project Procurement Update”.

**CARRIED**

5.6 2019 “Create Memories, Not Garbage” Campaign – Update

Report dated November 4, 2019 from Larina Lopez, Division Manager, Corporate Communications, providing an update on the 2019 Create Memories, Not Garbage campaign to reduce the amount of unnecessary waste entering the region’s waste streams during the holiday season.
Members were updated on the 2019 *Create Memories, Not Garbage* campaign highlighting purpose, primary messaging, media, website features, outreach, measuring performance, and media influencers. Members suggested consideration be given to exploring future opportunities to develop similar campaign for Halloween.

Presentation material titled “Create Memories, not Garbage 2019 Campaign Update” is retained with the November 15, 2019 agenda.

**It was MOVED and SECONDED**

That the Zero Waste Committee receive for information the report dated November 4, 2019, titled “2019 Create Memories, Not Garbage” Campaign – Update.”

**CARRIED**

5.7 **Manager’s Report**


Members were updated on the new text messaging service notifying subscribers of temporary transfer station closures and were provided with a video presentation about the new Coquitlam Transfer Station which is not retained with the agenda.

Presentation material titled “New Text Messaging Service – Facility Notifications” is retained with the November 15, 2019 agenda.

**It was MOVED and SECONDED**

That the Zero Waste Committee receive for information the report dated November 8, 2019, titled “Manager’s Report”.

**CARRIED**

6. **INFORMATION ITEMS**

6.1 **Correspondence re Vancouver Landfill Technical Liaison Committee from Mayor George V. Harvie, City of Delta dated November 8, 2019**

Correspondence dated November 8, 2019 from Mayor George Harvie, City of Delta, addressed to Jack Froese, Chair, Metro Vancouver Zero Waste Committee regarding the Vancouver Landfill Liaison Committee.
It was MOVED and SECONDED
That the Zero Waste Committee receive for information the following Information Item:
6.1 Correspondence re Vancouver Landfill Technical Liaison Committee from Mayor George V. Harvie, City of Delta dated November 8, 2019

CARRIED

7. OTHER BUSINESS
No items presented.

8. BUSINESS ARISING FROM DELEGATIONS
No items presented.

9. RESOLUTION TO CLOSE MEETING

It was MOVED and SECONDED
That the Zero Waste Committee close its regular meeting scheduled for November 15, 2019 pursuant to the Community Charter provisions, Section 90 (1) (e) and (g) as follows:

"90 (1) A part of the meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:
(e) the acquisition, disposition or expropriation of land or improvements, if the board or committee considers that disclosure could reasonably be expected to harm the interests of the regional district; and
(g) litigation or potential litigation affecting the regional district."

CARRIED

10. ADJOURNMENT/CONCLUSION

It was MOVED and SECONDED
That the Zero Waste Committee adjourn its regular meeting of November 15, 2019.

CARRIED
(Time: 10:43 a.m.)

Janis Knaupp,
Legislative Services Coordinator

Jack Froese, Chair

33544452 FINAL
To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: January 10, 2020

Meeting Date: January 17, 2020

Subject: 2020 Zero Waste Committee Priorities and Work Plan

RECOMMENDATION
That the Zero Waste Committee:

a) endorse the work plan as presented in the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”; and

b) receive for information the Zero Waste Committee Terms of Reference as attached to the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”.

EXECUTIVE SUMMARY
This report outlines the main priorities and activities in the work plan for the Zero Waste Committee in 2020. These include:

- assessment of new waste reduction, recycling, composting and disposal options through the review of the regional solid waste management plan;
- continued work supporting and advocating for enhanced Extended Producer Responsibility, regional behaviour change campaigns and input into senior government actions; and
- continuous improvement, monitoring and reporting of finances, operations and environmental status of regional solid waste facilities.

PURPOSE
To provide the Zero Waste Committee with the priorities and work plan for 2020.

BACKGROUND
At its October 18, 2019 meeting, the Zero Waste Committee endorsed the 2020 budget and annual work plans for the solid waste function, which served as the basis for the 2020 budget approved by the GVS&DD Board on November 1, 2019. The 2020 work plans included lists of key actions that have been used to develop the Zero Waste Committee’s work plan presented in this report.

The work plan presented in this report is consistent with the Zero Waste Committee’s Terms of Reference (Attachment 2) and with the Board Strategic Plan and is being brought forward for the Committee’s information, review and endorsement.

2020 WORK PLAN
The Zero Waste Committee is the standing committee of the Metro Vancouver Board that provides advice and recommendations on policies, bylaws, plans, programs, budgets and issues related to the solid waste function.
Key actions in the 2020 Zero Waste Committee Work Plan are described below and listed according to the Committee’s responsibilities in its Terms of Reference. The Committee will review and provide guidance on the initiatives grouped under the goals of the *Integrated Solid Waste and Resource Management Plan*:

**Goal 1: Minimize Waste Generation**
- additional Extended Producer Responsibility programs for problematic priority items;
- results for major regional behaviour change campaigns including ‘Create Memories Not Garbage’ (holiday waste prevention), ‘Food isn’t Garbage’ (food scraps diversion), ‘Think Thrice’ (textile waste prevention), ‘Waste in its Place’ (abandoned waste), and ‘Love Food, Hate Waste’ (residential food waste prevention);
- National Zero Waste Council and its working groups, and affiliate initiatives such as the Circular Economy Leadership Coalition; and
- 2020 Zero Waste Conference.

**Goal 2: Maximize Reuse, Recycling & Material Recovery**
- review of the solid waste management plan, including engagement with stakeholders and feedback on proposed changes to the solid waste regulatory framework to improve transparency and accountability and level the playing field for waste and recycling service providers;
- business case for provision of commercial organics services at regional transfer stations;
- regional waste composition, and annual solid waste and recycling statistics for 2019;
- disposal ban program results for 2019;
- business case for an alternative fuel and material recovery centre;
- beneficial use of bottom ash procurement following successful use of 76,000 tonnes of bottom ash as part of the development of the new Coquitlam Transfer Station; and
- construction of the replacement Coquitlam Transfer Station and Surrey Recycling and Waste Drop-Off facilities, maximizing recycling opportunities.

**Goal 3: Recovery of Energy from Waste Stream after Material Recovery**
- Waste-to-Energy Facility 2019 financial summary;
- Waste-to-Energy Facility 2019 environmental performance summary;
- business case for Waste-to-Energy Facility District Energy; and
- business case and conceptual design for Waste-to-Energy Facility – Biosolids Management system.

**Goal 4: Dispose of all Waste in Landfill after Recycling and Energy Recovery**
- contingency disposal procurement process for contracts expiring in April 2021.

**Other items:**
- long-term financial plan scenarios for the solid waste function.

Zero Waste Committee
2020 Zero Waste Committee Priorities and Work Plan
Zero Waste Committee Regular Meeting Date: January 17, 2020
Page 3 of 3

The 2020 Work Plan for the Zero Waste Committee is provided in Attachment 1, including the expected time frame for reports to this Committee. The Committee will be updated on the status of the actions and projects in this work plan on a monthly basis per the Committee’s schedule.

ALTERNATIVES

1. That the Zero Waste Committee:
   a) endorse the work plan as presented in the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”; and
   b) receive for information the Zero Waste Committee Terms of Reference as attached to the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”.

2. That the Zero Waste Committee:
   a) endorse the work plan as presented in the report dated January 10, 2020, titled “2020 Zero Waste Committee Priorities and Work Plan” with amendments provided at the January 17, 2020 Zero Waste Committee meeting; and
   b) receive for information the Zero Waste Committee Terms of Reference as attached to the report dated January 10, 2020 titled “2020 Zero Waste Committee Priorities and Work Plan”.

FINANCIAL IMPLICATIONS
The priorities in the 2020 Work Plan of the Zero Waste Committee are consistent with the 2020 budget approved by the GVS&DD Board on November 1, 2019, with key actions included in the solid waste function 2020 work plans.

CONCLUSION
The work plan presented in this report conveys the priorities for the Zero Waste Committee in 2020 and is consistent with its Terms of Reference and the 2020 budget approved by the GVS&DD Board. Staff recommend Alternative 1.

Attachments
1. Zero Waste Committee 2020 Work Plan
2. Zero Waste Committee Terms of Reference
## Zero Waste Committee 2020 Work Plan

**Report Date:** January 10, 2020

### Priorities

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Zero Waste Committee
Terms of Reference

The Zero Waste Committee is the standing committee of the Metro Vancouver Board that provides advice and recommendations on policies, bylaws, plans, programs, budgets and issues related to solid waste management under the GVS&DD service, as well as the Zero Waste Communications Program under the MVRD General Government service.

Committee Responsibilities
Within the scope of the Board Strategic Plan, Integrated Solid Waste and Resource Management Plan, and Metro Vancouver Financial Plan, the Committee provides guidance and oversight to staff on the implementation of the annual work plan and business plans for the service. Specific Committee responsibilities include:

- Reviewing and endorsing the annual budget and five-year financial plan for the Solid Waste function;
- Overseeing and monitoring the implementation of the Integrated Solid Waste and Resource Management Plan;
- Overseeing implementation of the Solid Waste capital program, and development of significant works within the plan;
- Overseeing and guiding programs and initiatives aimed at reducing the volume of solid waste, enhancing recycling and diversion efforts, and promoting recovery; and
- Monitoring the operation of waste disposal and transfer station facilities, and the overall management of residuals.

Metro Vancouver has primary responsibility for ensuring implementation of the Integrated Solid Waste and Resource Management Plan. Metro Vancouver is also responsible for operating the regional systems for transfer and disposal of solid waste. Guiding these activities is the primary focus for the Committee.

Committee Membership and Meetings
The Chair, Vice Chair, and members are appointed annually by the Chair of the Metro Vancouver Board. The Committee meets monthly, except for August and December, and has special meetings as required. Members of the Committee must be members of the GVS&DD. A quorum of 50% plus one of the Committee membership is required to conduct committee business.

Committee Management
The Committee Chair, or in the absence of the Chair, the Vice-Chair is the chief spokesperson on matters of public interest within the Committee’s purview. For high profile issues the role of spokesperson rests with the Board Chair or Vice-Chair. On technical matters or in cases where an initiative is still at the staff proposal level, the Commissioner or a senior staff member is the appropriate chief spokesperson. Where necessary and practical, the Board Chair, the Committee Chair and the Commissioner confer to determine the most appropriate representative to speak.
The Chief Administrative Officer assigns a Committee Manager for the Committee. The Committee Manager is responsible for coordinating agendas and be the principal point of contact for Committee members.
RECOMMENDATION
That the GVS&DD Board direct staff to:
a) send the draft 2019 Integrated Solid Waste & Resource Management Plan Biennial Report to First Nations and the public; and
b) submit the 2019 Integrated Solid Waste & Resource Management Plan Biennial Report to the Ministry of Environment and Climate Change Strategy, along with any feedback received.

EXECUTIVE SUMMARY
The 2019 Integrated Solid Waste & Resource Management Plan Biennial Report (Biennial Report) is a progress report on the implementation of the existing Integrated Solid Waste and Resource Management Plan (ISWRMP), as required by the Province. The report contains statistics on the region’s waste diversion and disposal performance, including a waste diversion rate of 64% and a per capita disposal rate of 0.48 tonnes per year in 2018. The report provides the implementation status of initiatives in the ISWRMP. Although Metro Vancouver is among the most successful jurisdictions in North America in reducing municipal solid waste, the region will not be able to reach its goal of 80% diversion without new regulatory and policy tools. Key opportunities for diversion include increasing performance in the multi-family and commercial/institutional sectors and enhancing recovery of materials such as plastics, organics and construction and demolition waste.

The Board has approved initiating an update of the solid waste management plan with a new plan expected by 2022 or 2023.

PURPOSE
The purpose of this report is provide the Board with the draft 2019 Biennial Report on the Integrated Solid Waste and Resource Management Plan.

BACKGROUND
Under the provincial Environmental Management Act, regional districts must prepare solid waste plans outlining the facilities, regulations, programs and other initiatives that will be used to reduce, reuse, recycle and dispose of municipal solid waste. Metro Vancouver’s current Integrated Solid Waste and Resource Management Plan (ISWRMP) was approved by the Minister of Environment on July 22, 2011. A condition of the ISWRMP approval was that Metro Vancouver provide a biennial progress report on the implementation of the ISWRMP to the Ministry of Environment and Climate Change Strategy.
2019 INTEGRATED SOLID WASTE & RESOURCE MANAGEMENT PLAN BIENNIAL REPORT

As part of implementation of the ISWRMP, Metro Vancouver reports out once every two years on ISWRMP progress. The Biennial Report supplements the annual recycling and solid waste management summary and includes a summary of strategies, performance measures and progress on the detailed actions in the ISWRMP.

Metro Vancouver is among the most successful jurisdictions in North America in reducing municipal solid waste, having met a goal of reducing per capita waste generation by 10%, diverting 64% of waste generated, and disposing of only 0.48 tonnes per capita in 2018.

Nonetheless, without new policy and regulatory tools, Metro Vancouver will not achieve its 2020 regional target of 80% waste diversion. New Extended Producer Responsibility (EPR) product categories have not been added to the Recycling Regulation since 2014. Metro Vancouver has written the Province highlighting the importance of EPR and requesting that mattresses and bulky furniture be added as a new category. In addition, Metro Vancouver’s recent submission to the Provincial Plastics Action Plan consultation supported an expansion of provincial EPR for plastics, as well as other policy and regulatory tools to reduce plastics waste. Key opportunities for diversion include increasing performance in the multi-family and commercial/institutional sectors and enhancing recovery of materials such as plastics, organics and construction and demolition debris.

Since the Biennial/5 Year progress report was completed in 2017:

- Metro Vancouver continues to provide leadership in reducing waste at source through various National Zero Waste Council initiatives and behavior change campaigns;
- non-food expanded polystyrene packaging has been added to the disposal ban program;
- the disposal ban program has been enhanced through the use of new technologies to record load inspections and communicate information about surcharged loads to customers;
- a new Generator Levy has been put in place to ensure all generators contribute equitably to the fixed costs of the regional solid waste system;
- construction is underway for two new regional solid waste facilities, the new Coquitlam Transfer Station and Surrey Recycling and Waste Drop-Off Facility, providing enhanced opportunities for recycling and reuse;
- business casing has been initiated for an alternative fuel and material recovery centre, and a district energy system for the Waste-to-Energy Facility;
- construction of the new Coquitlam Transfer Station included beneficial use of approximately 76,000 tonnes of bottom ash, and a procurement process has been initiated for beneficial use of bottom ash on an ongoing basis; and
- Metro Vancouver has partnered with a range of entities such as the Recycling Council of British Columbia and various product stewardship agencies to provide more opportunities to
reduce waste and recycle, and increase consistency of information communicated to residents and businesses on waste management.

The Minister of Environment and Climate Change Strategy deferred consideration of two bylaws proposing regulatory changes to improve transparency and accountability and level the playing field for waste and recycling service providers. Without new tools to increase transparency and accountability and ensure a level playing field, the region’s waste diversion targets will not be achieved.

The draft Biennial Report is attached to this report.

Engagement
The draft Biennial Report was sent to the Regional Engineers Advisory Committee Solid Waste Subcommittee on November 4, 2019. The draft Biennial Report will be sent to First Nations and a database of stakeholders with an interest in solid waste issues after the January 17, 2020 Zero Waste Committee agenda is published, including municipalities, waste management and recycling industry representatives, businesses and institutions, non-governmental organizations and government agencies. Any feedback received will be included with the Biennial Report submission to the Ministry of Environment and Climate Change Strategy. That feedback will also be summarized and reported to the Zero Waste Committee at its next meeting.

Review of Regional Solid Waste Management Plan
At its November 29, 2019 GVS&DD Board meeting, the Board approved initiating an update to Metro Vancouver’s existing solid waste management plan. Provincial guidelines recommend that on or before the 10-year anniversary of the current plan’s approval, regional district boards approve initiating a plan review. Metro Vancouver’s ISWRMP was approved by the Minister of Environment in July 2011, and is due for an update. It is expected that the new plan will be completed by 2022 or 2023.

ALTERNATIVES
1. That the GVS&DD Board direct staff to:
   a) send the draft 2019 Integrated Solid Waste & Resource Management Plan Biennial Report to First Nations and the public; and
   b) submit the 2019 Integrated Solid Waste & Resource Management Plan Biennial Report to the Ministry of Environment and Climate Change Strategy, along with any feedback received.

2. That the Zero Waste Committee direct staff to revise the draft 2019 Integrated Solid Waste & Resource Management Plan Biennial Report prior to its submission to the Ministry of Environment and Climate Change Strategy.

FINANCIAL IMPLICATIONS
If the Board approves Alternative 1, the draft Biennial Report will be sent to First Nations and the public prior to submission to the Ministry of Environment and Climate Change Strategy along with any feedback received. Metro Vancouver’s waste reduction and diversion initiatives are implemented...
within the annual budgets for the Solid Waste Services department. Funds for the review of the regional solid waste management plan are contained in the proposed future departmental budgets.

CONCLUSION
The 2019 Biennial Report is a progress report on the implementation of the existing ISWRMP, as required by the Province. The report includes statistics on the region’s waste diversion and disposal performance, along with descriptions of the status of the individual initiatives in the solid waste management plan. Although Metro Vancouver is among the most successful jurisdictions in North America at waste diversion, the region will not be able to reach its goal of 80% diversion without new policy and regulatory tools. Key opportunities for diversion include increasing performance in the multi-family and commercial/institutional sectors and enhancing recovery of materials such as plastics, organics and construction and demolition debris.

Reference

34213787
To: Zero Waste Committee

From: Ray Robb, Division Manager, Environmental Regulation and Enforcement, Parks and Environment

Date: January 9, 2020

Meeting Date: January 17, 2020

Subject: Board Appointments and Rescindments of Bylaw Enforcement Officers

RECOMMENDATION
That the GVS&DD Board:

a) pursuant to the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996 and the Environmental Management Act:
   i. rescind the appointments of the following persons as officers: Kristen Beattie, Larry Avanthay, and Johanna Legge,
   ii. appoint Metro Vancouver employee Nicole Gatto as an officer; and

b) pursuant to the Offence Act appoint Nicole Gatto for the purpose of serving summons under Section 28 of the Offence Act for alleged violations under the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996.

EXECUTIVE SUMMARY
Recent changes in staff have resulted in a need to update staff appointments as GVS&DD Board-designated officers under the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996, the Environmental Management Act and the Offence Act. Staff recommend that the GVS&DD Board appoint and rescind staff accordingly.

PURPOSE
To appoint and rescind appointments of Metro Vancouver employees as GVS&DD Board-designated officers.

BACKGROUND
Employment status and job function changes for Metro Vancouver environmental regulatory staff have resulted in a need to update staff appointments to ensure appropriate authority to advance solid waste management goals. Out of three vacancies created, one was filled by a successful candidate, and the second by a previously appointed officer who occupied a temporary position. The process will continue to find appropriate candidates to fill the remaining vacancy and the remaining term of the temporary position vacated.

<table>
<thead>
<tr>
<th>Officer</th>
<th>Appointment Rescinded</th>
<th>New Appointment</th>
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<tbody>
<tr>
<td>Larry Avanthay</td>
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<tr>
<td>Johanna Legge</td>
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<tr>
<td>Kristen Beattie</td>
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<tr>
<td>Nicole Gatto</td>
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Zero Waste Committee
The Environmental Management Act and Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996 grants authority to Board-designated officers for bylaw compliance promotion purposes. Metro Vancouver’s Solid Waste Regulatory Program supports the goals of the Integrated Solid Waste & Resource Management Plan by regulating the management of municipal solid waste and recyclable material at privately operated facilities.

Officers may enter property, inspect works and obtain records and other information to promote compliance with the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996.

The Offence Act allows regional districts to appoint bylaw enforcement officers for the purpose of serving summons for bylaw violations. Officers, if appointed for that purpose, may serve a summons in respect of alleged offences under the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996.

ALTERNATIVES
1. That the GVS&DD Board:
   a) pursuant to the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996 and the Environmental Management Act:
      i. rescind the appointments of the following persons as officers: Kristen Beattie, Larry Avanthay, and Johanna Legge,
      ii. appoint Metro Vancouver employee Nicole Gatto as an officer; and
   b) pursuant to the Offence Act appoint Metro Vancouver employee Nicole Gatto for the purpose of serving summons under section 28 of the Offence Act for alleged violations under the Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996.

2. That the GVS&DD Board receive for information the report dated January 9, 2020, titled “Board Appointments and Rescindments of Bylaw Enforcement Officers” and provide alternative direction to staff.

FINANCIAL IMPLICATIONS
There are no financial implications for expenditures as the GVS&DD appointments are already on staff, and there are no financial implications for expenditures for rescindments.

CONCLUSION
Recent changes in staff have resulted in a need to update staff appointments as GVS&DD Board-designated officers under Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996, the Environmental Management Act, and the Offence Act. Staff recommend Alternative 1.
To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: January 9, 2020

Subject: Manager’s Report

RECOMMENDATION
That the Zero Waste Committee receive for information the report dated January 9, 2020 titled “Manager’s Report”.

Used Oil at North Shore Transfer Station
Metro Vancouver is working with the BC Used Oil Management Association (BCUOMA) to develop an agreement for used oil and antifreeze drop-off in the recycling depot at the North Shore Transfer Station. There are limited options on the North Shore for management of used oil. BCUOMA would reimburse Metro Vancouver for providing the service, meaning no increase in depot costs for the North Shore municipalities. Metro Vancouver is working with BCUOMA to ensure neither Metro Vancouver nor the North Shore municipalities incur additional liability through the collection of the used oil on behalf of BCUOMA. Subject to finalizing an agreement, used oil drop-off operations are expected to commence in the next few months. If the initiative is successful at the North Shore Transfer Station, Metro Vancouver would explore expanding the service to other transfer stations.

Return-It Express & GO at the North Shore Transfer Station
Metro Vancouver is working with Encorp Pacific (also known as Return-It) to develop an agreement for a Return-It Express & GO beverage container drop-off in the recycling depot at the North Shore Transfer Station. There are limited options on the North Shore for beverage container drop-off, and integrating an Express & GO beverage container drop-off at the North Shore Transfer Station recycling depot will support this need and increase convenience for consumers to drop off their recyclable beverage containers. Return-It Express allows customers to sign up online for a free account, place their beverage containers into a transparent bag, print a label to place on the bag and drop it off. Refunds would be directly deposited into the customer’s online bank account after they are sorted at the facility. Encorp would pay Metro Vancouver an annual license fee and all costs associated with hosting the Return-It Express & GO container, reducing the cost of the recycling depot for the North Shore municipalities. Subject to finalizing an agreement, Return-It Express operations are expected to commence in the next few months. If the initiative is successful at the North Shore Transfer Station, Metro Vancouver would explore expanding the service to other transfer stations.

New Westminster Yard Trimmings Drop-Off Agreement
Metro Vancouver has entered into an agreement with the City of New Westminster to allow residents of New Westminster to drop off yard trimmings at the Coquitlam Transfer Station at no cost. Metro Vancouver will bill New Westminster for the cost of dropped off yard trimmings based on rates in the Tipping Fee Bylaw. A similar agreement is in place with the City of Coquitlam for Coquitlam residents.
**Binners’ Project Coffee Cup Revolution**

The Binners’ Project, a project of Tides Canada Initiatives, is a local group of waste-pickers aided by support staff dedicated to improving the economic opportunities of binners, and reducing the stigma they face as informal recyclable collectors. A Binners’ Project activity is the annual Coffee Cup Revolution, held since 2014. The 2019 event collected more than 96,000 single-use coffee cups that had been discarded/littered in exchange for a five-cent per cup "deposit." The event seeks to demonstrate what a coffee refund system can achieve while displaying how binning can support green communities. Metro Vancouver is a key sponsor of the event, and has a three-year agreement (ending at the end of 2020) to provide the Binners’ Project with $6,000 per year in funding in support the Coffee Cup Revolution. The Coffee Cup Revolution raises awareness about single use items, particularly coffee cups, and helps generate a conversation around the importance of developing effective approaches to managing these items.

**Attendance at 2020 Standing Committee Events**

Participation at external events provides important learning and networking opportunities. The following events that fall under the purview of the Zero Waste Committee are included in the 2020 Leadership and Engagement Budget:

- **BioCycle Connect West 2020 Conference**
  Date: March 30-April 2, 2020
  Location: Sacramento, California
  Number of attendee(s): 2
  BioCycle is dedicated to the advancement of organics management. The BioCycle West Conference provides an opportunity to learn more about the experiences of communities across North America in managing organics.

- **Recycling Council of BC 2020 Conference and Trade Show**
  Date: June 10-12, 2020
  Location: Whistler, British Columbia
  Number of attendee(s): 2
  With the overarching goals of reducing waste and building a circular economy, the conference offers progressive programming featuring best practices, theory, and innovations from BC, Canada, and beyond.

  Date: October 13-15, 2020
  Location: Lake Louise, AB
  Number of attendee(s): 1
  The conference will cover topics such as waste reduction, recycling and resource conservation.

- **Metro Vancouver Zero Waste Conference**
  Date: November 12-13, 2020
  Location: Vancouver, British Columbia
  Number of attendees: any Zero Waste Committee member can attend; no need to apply to Chair to attend.
The Zero Waste Conference will cover areas like reimagining linear systems of production and consumption, embrace new ways of thinking, innovation, and disruption to address barriers and intractable problems.

Please notify the Committee Chair or Committee Manager as soon as possible, but no later than February 7, 2020 if you are interested in attending any of the above-noted events. As the funds for these events are budgeted in general government, the Finance and Intergovernment Committee will consider approval of the events, but final approval of attendance rests with the Board Chair.