

**METRO VANCOUVER REGIONAL DISTRICT
ZERO WASTE COMMITTEE**

REGULAR MEETING

**Friday, April 8, 2022
9:15 a.m.**

**Meeting conducted electronically pursuant to the Procedure Bylaw
28th Floor Boardroom, 4515 Central Boulevard, Burnaby, British Columbia
Webstream available at <http://www.metrovancouver.org>**

A G E N D A¹

1. ADOPTION OF THE AGENDA

1.1 April 8, 2022 Regular Meeting Agenda

That the Zero Waste Committee adopt the agenda for its regular meeting scheduled for April 8, 2022 as circulated.

2. ADOPTION OF THE MINUTES

2.1 February 11, 2022 Regular Meeting Minutes

That the Zero Waste Committee adopt the minutes of its regular meeting held February 11, 2022 as circulated.

pg. 5

3. DELEGATIONS

4. INVITED PRESENTATIONS

5. REPORTS FROM COMMITTEE OR STAFF

5.1 Award of Contract Resulting from Request for Proposal No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre

pg. 9

That the GVS&DD Board:

- a) approve award of a contract in the amount of up to \$38,700,000 (exclusive of taxes) to Halton Recycling Ltd. (doing business as Emterra Environmental), resulting from Request for Proposal No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre, subject to final review by the Commissioner; and

¹ Note: Recommendation is shown under each item, where applicable.

- b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

5.2 Amendment to Existing Sea to Sky Composting Inc. Contract to Process Yard Trimmings Received at the Central Surrey Recycling and Waste Centre pg. 13

That the GVS&DD Board:

- a) approve an amendment to Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. in the amount of \$828,000 (exclusive of taxes) for a total contract value of \$5,042,520 to process yard trimmings received at the Central Surrey Recycling and Waste Centre, effective from facility opening to the existing contract expiry on December 31, 2025; and
- b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the amendment should proceed.

5.3 GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022 pg. 16

That the GVS&DD Board:

- a) approve the following amendments to the Tipping Fee Bylaw effective June 1, 2022:
 - i. remove references to the Coquitlam Recycling and Waste Centre;
 - ii. set the minimum fee for Central Surrey Recycling and Waste Centre at \$15 per load including transaction fee; and
 - iii. establish a rate of \$130 per tonne for residuals from construction and demolition waste processing facilities.
- b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*; and
- c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*.

5.4 Solid Waste Services Capital Program Expenditure Update as of December 31, 2021 pg. 40

That the Zero Waste Committee receive for information the report dated March 31, 2021, titled "Solid Waste Services Capital Program Expenditure Update as of December 31, 2021".

5.5 Appointment of Solid Waste Manager, Deputy Solid Waste Manager, and Enforcement Officers pg. 47

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 Ray Robb as the solid waste manager, and of Kathy Preston as the deputy solid waste manager;

- ii. appoint Metro Vancouver employee Kathy Preston as the solid waste manager, and Metro Vancouver employee Michelle Jones as the deputy solid waste manager;
 - iii. rescind the appointments of Toby Gritten, Dan Saunders, and Rob Kemp as officers; and
 - iv. appoint Metro Vancouver employee Muhammad Ali as an officer.
- b) pursuant to Section 28 of the *Offence Act* for the purpose of serving summons for alleged violations under the *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996*:
- i. rescind the appointments of Toby Gritten, Dan Saunders, and Rob Kemp; and
 - ii. appoint Metro Vancouver employee Muhammad Ali.

5.6 2022 Update on National Zero Waste Council Activities *pg. 50*
That the MVRD Board receive for information the report dated April 1, 2022, titled "2022 Update on National Zero Waste Council Activities."

5.7 2021 Holiday Waste "Create Memories, Not Garbage" Campaign Results *pg.56*
That the Zero Waste Committee receive for information the report dated February 16, 2022, titled "2021 Holiday Waste 'Create Memories, Not Garbage' Campaign Results."

5.8 Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process *pg.65*
That the GVS&DD Board receive for information the report dated March 30, 2022, titled "Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process".

5.9 Manager's Report *pg. 69*
That the Zero Waste Committee receive for information the report dated March 31, 2022, 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 April 8, 2022 pursuant to the *Community Charter* provisions, Section 90 (1) (a) 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:*
- (a) personal information about an identifiable individual who holds or is being considered for a position as an officer, employee or agent of the regional district or another position appointed by the regional district”.*

10. ADJOURNMENT/CONCLUSION

That the Zero Waste Committee adjourn/conclude its regular meeting of April 8, 2022.

Membership:

Froese, Jack (C) – Langley Township
Hodge, Craig (VC) – Coquitlam
Calendino, Pietro – Burnaby
Elford, Doug – Surrey

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

**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, February 11, 2022 in the 28th Floor Boardroom, 4515 Central Boulevard, Burnaby, British Columbia.

MEMBERS PRESENT:

Chair, Mayor Jack Froese*, Langley Township
 Vice Chair, Councillor Craig Hodge*, Coquitlam
 Councillor Pietro Calendino*, Burnaby
 Councillor Doug Elford*, Surrey
 Councillor Pete Fry*, Vancouver (arrived at 9:01 a.m.)
 Mayor Mike Little*, North Vancouver District (arrived at 9:01 a.m.)
 Councillor Gayle Martin*, Langley City
 Councillor Bruce McDonald*, Delta
 Mayor Mike Morden*, Maple Ridge
 Councillor Harold Steves*, Richmond

MEMBERS ABSENT:

Mayor Rob Vagramov, Port Moody

STAFF PRESENT:

Paul Henderson, General Manager, Solid Waste Services
 Amelia White, Legislative Services Supervisor, Board and Information Services

OPENING REMARKS

Chair Froese addressed the recent passing of Councillor Helen Fathers from the City of White Rock, noting her various contributions to Metro Vancouver as well as the White Rock community.

9:01 a.m. Mayor Little and Councillor Fry arrived at the meeting.

1. ADOPTION OF THE AGENDA

1.1 February 11, 2022 Regular Meeting Agenda

It was MOVED and SECONDED

That the Zero Waste Committee adopt the agenda for its regular meeting scheduled for February 11, 2022 as circulated.

CARRIED

*denotes electronic meeting participation as authorized by Section 3.6.2 of the *Procedure Bylaw*

2. ADOPTION OF THE MINUTES

2.1 January 20, 2022 Regular Meeting Minutes

It was MOVED and SECONDED

That the Zero Waste Committee adopt the minutes of its regular meeting held January 20, 2022 as circulated.

CARRIED

3. DELEGATIONS

3.1 Sue Maxwell, Director, Zero Waste B.C.

Sue Maxwell, Director, Zero Waste B.C., spoke to members regarding the Zero Waste Agenda for B.C., highlighting the state of waste in British Columbia and the opportunities available for Metro Vancouver to aid in the circular economy.

Discussion ensued regarding the on-going zero waste initiatives in the region, extended producer responsibility and the challenges of incorporating zero waste initiatives while meeting the health restrictions associated with COVID-19.

Presentation material titled “A Zero Waste Agenda for BC” is retained with the February 11, 2022 Zero Waste Committee agenda.

4. INVITED PRESENTATIONS

No items presented.

5. REPORTS FROM COMMITTEE OR STAFF

5.1 Solid Waste Management Plan Update – Solid Waste and Recycling Industry Advisory Committee and Solid Waste Management Plan Public/Technical Advisory Committee

Report dated February 3, 2022, from Sandy Young, Senior Engagement Specialist, Strategy and Stakeholder Relations, Solid Waste Services, updating the Zero Waste Committee on the Industry Advisory Committee and Public/Technical Advisory Committee.

It was MOVED and SECONDED

That the Zero Waste Committee receive for information the report dated February 3, 2022, titled “Solid Waste Management Plan Update – Solid Waste and Recycling Industry Advisory Committee and Solid Waste Management Plan Public/Technical Advisory Committee”.

CARRIED

5.2 Manager’s Report

Report dated February 4, 2022, from Paul Henderson, General Manager, Solid Waste Services, updating the Zero Waste Committee on various projects and initiatives, including the management of post-consumer health products pharmaceuticals at the Waste-to-Energy Facility and an update on the Coquitlam Recycling and Waste Centre structural damage.

Members were provided with a presentation and a video on the United Boulevard Opening Communications, highlighting the communication strategy and the new location.

Members were provided with a presentation on the Solid Waste Recycling and Disposal Cost Estimator, noting the features of the new tool and the proposed next steps.

Presentation materials titled “United Boulevard Opening Communications” and “Solid Waste Recycling and Disposal Cost Estimator” are retained with the February 11, 2022 Zero Waste Committee agenda. The United Boulevard Recycling and Waste Centre Interactive Map video is not retained with the agenda.

It was MOVED and SECONDED

That the Zero Waste Committee receive for information the report dated February 4, 2022, titled “Manager’s Report”.

CARRIED

6. INFORMATION ITEMS

6.1 Correspondence dated January 24, 2022 from Minister of Environment and Climate Change Strategy re: Regionally Harmonized Approach to Municipal Single-Use Item Reduction Bylaws

7. OTHER BUSINESS

No items presented.

8. BUSINESS ARISING FROM DELEGATIONS

No items presented.

9. RESOLUTION TO CLOSE MEETING

No items presented.

10. ADJOURNMENT/CONCLUSION

It was MOVED and SECONDED

That Zero Waste Committee conclude its regular meeting of February 11, 2022.

CARRIED

(Time: 10:05 a.m.)

Amelia White,
Legislative Services Supervisor

Jack Froese, Chair

50863202 FINAL

To: Zero Waste Committee

From: Roy Moulder, Director, Procurement
Chris Allan, Director, Solid Waste Operations

Date: March 30, 2022 Meeting Date: April 8, 2022

Subject: **Award of Contract Resulting from Request for Proposal No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre**

RECOMMENDATION

That the GVS&DD Board:

- a) approve award of a contract in the amount of up to \$38,700,000 (exclusive of taxes) to Halton Recycling Ltd. (doing business as Emterra Environmental), resulting from Request for Proposal No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre, subject to final review by the Commissioner; and
- b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

EXECUTIVE SUMMARY

Construction of Central Surrey Recycling and Waste Centre is nearing completion. Central Surrey Recycling and Waste Centre will increase recycling options and reduce facility users' travel distance by approximately 2,000,000 km/year. Greenhouse gas emissions will be reduced by approximately 500 tonnes per year as a result of the reduced travel distances. The new facility is anticipated to open in June 2022.

Request for Proposal (RFP) No. 21-517 was issued to two shortlisted contractors for the operation and maintenance of the Central Surrey Recycling and Waste Centre and Halton Recycling Ltd. (doing business as Emterra Environmental) submitted the highest ranked (and lowest priced) proposal. Staff recommend that the GVS&DD Board approve award and authorize the Commissioner and the Corporate Officer to execute a contract with Halton Recycling Ltd. (doing business as Emterra Environmental) for a total of up to \$38,700,000 (exclusive of taxes). The contract is for an approximate 8.5-year term expiring on December 31, 2030.

PURPOSE

The purpose of this report is to advise the GVS&DD Board (the Board) of the results of Request for Proposal No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre, and to recommend award of an approximate 8.5-year term contract expiring on December 31, 2030 in the amount of up to \$38,700,000 (exclusive of taxes) to Halton Recycling Ltd., doing business as Emterra Environmental, (Emterra).

BACKGROUND

Pursuant to the *GVS&DD Officers and Delegation Bylaw No. 284, 2014* and the *Procurement and Real Property Contracting Authority Policy*, procurement contracts that exceed a value of \$5 million require the approval of the Board of Directors.

This report is being brought forward for consideration by the Zero Waste Committee and Board to authorize the award of an approximate 8.5-year term contract to Emterra for the operation and maintenance of the Central Surrey Recycling and Waste Centre.

OPERATION AND MAINTENANCE OF THE CENTRAL SURREY RECYCLING AND WASTE CENTRE

Central Surrey Recycling and Waste Centre construction is nearing completion. The new facility will accept recyclables, yard trimmings and municipal solid waste from manually unloaded small vehicles and will expand the existing Metro Vancouver solid waste system to six recycling and waste centres, filling a gap in service level in this growing area of the region. As a result of the new facility, travel distance for facility users will drop by approximately 2,000,000 km per year resulting in more than 500 tonnes per year of greenhouse gas emission reductions.

Procurement for Operation & Maintenance Services

In 2021, GVS&DD started a two-step procurement process that included a request for qualifications followed by a request for proposals (RFP) to retain a qualified contractor for the operation and maintenance of the Central Surrey Recycling and Waste Centre. Request for Qualifications (RFQ) No. 21-044 was issued on March 2, 2021 and closed on March 26, 2021. Following an evaluation of the compliant submissions, the following two respondents were shortlisted to participate in the RFP:

- GFL Environmental Inc.
- Halton Recycling Ltd. (doing business as Emterra Environmental)

The RFP included a draft agreement for the operation and maintenance of the Central Surrey Recycling and Waste Services for an approximate 8.5-year term expiring on December 31, 2030, with an option for a two-year extension. An 8.5-year term was selected to coincide with the expected expiry of the next contracts for operation of Metro Vancouver's other recycling and waste centres. RFP No. 21-517 was issued on December 20, 2021 to the two shortlisted proponents based on the scope of services and terms as described in the draft agreement. The RFP closed on February 16, 2022 and proposals were received from both proponents.

Evaluation Criteria and Proposal Evaluation

The proposals were evaluated based on criteria classified under the following three categories: experience and reputation (20%), technical (30%), and financial (50%).

Both proponents' proposals demonstrated good experience and reputation in operating similar solid waste management facilities. Both proponents and their proposed staff are well experienced as they both currently operate GVS&DD's other recycling and waste centres. Emterra proposed on-site mobile equipment that is state-of-the-art technology and would significantly reduce greenhouse gas emissions. The equipment includes two fully electric wheel loaders and one fully electric forklift that

have zero emissions, along with a hybrid excavator with significantly lower emissions compared to a conventional excavator.

Emterra's proposed costs were approximately 14% lower than GFL's proposed costs. As the tonnage of recyclable materials at the Central Surrey Recycling and Waste Centre is anticipated to increase in this growing part of the region, the Emterra proposal will likely result in greater savings over the full contract term.

RFP 21-517: Summary of Proposed Monthly Financial Costs

	Emterra	GFL
Fixed Monthly Costs	\$167,923	\$165,000
Hauling of Garbage	\$59,905	\$65,583
Management & Hauling of Recyclables	\$21,805	\$54,083
Total	\$249,633	\$284,666

The above financial costs are based on monthly tonnages for various materials included in the RFP for evaluation purposes only. The contract value is based on a 8.5-year contract term. The contract value for award is \$38,700,000. If the 2-year extension is considered at a later date, staff would bring a recommendation to the Board for consideration. The value of the 2-year extension is estimated at \$10,446,000.

Emterra has extensive experience in the waste management industry and proposed a team that has a comprehensive understanding in recycling and waste centre operations and maintenance. Emterra's technical proposal addressed requirements for starting up the new facility, maximizing recycling and reuse, and reducing greenhouse gas emissions.

ALTERNATIVES

1. That the GVS&DD Board:
 - a) approve award of a contract in the amount of up to \$38,700,000 (exclusive of taxes) to Halton Recycling Ltd. doing business as Emterra Environmental, resulting from Request for Proposal No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre, subject to final review by the Commissioner; and
 - b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the award should proceed.

2. That the GVS&DD Board terminate RFP No. 21-517: Operation and Maintenance of the Central Surrey Recycling and Waste Centre and direct staff to report back to the GVS&DD Board with options for an alternate course of action.

FINANCIAL IMPLICATIONS

If the Board approves Alternative 1, a contract will be awarded to Emterra for an approximate 8.5-year term, expiring on December 31, 2030, in the amount of up to \$38,700,000 (exclusive of taxes). The contract amount represents an estimated expenditure based on estimated material quantities received at the Central Surrey Recycling and Waste Centre over the contract term. The contract value

also accounts for estimated annual inflation adjustments to the proposed rates as defined under the terms of the draft contract. The expected contract value is more than was allocated in the Solid Waste Services five-year financial plan, but adjustments in other areas of the five-year plan will allow the contract to be entered into without affecting overall projected tipping fees identified in the plan.

CONCLUSION

Construction of the new Central Surrey Recycling and Waste Centre nearing completion. RFP No. 21-517 was issued to two shortlisted contractors for the operation and maintenance of the Central Surrey Recycling and Waste Centre and Emterra submitted the higher ranked (and lower cost) proposal. Staff recommend that the Board approve award and authorize the Commissioner and the Corporate Officer to execute a contract with Emterra for a total award of up to \$38,700,000 (exclusive of taxes). The contract is for an approximate 8.5-year term expiring on December 31, 2030.

49470436

To: Zero Waste Committee

From: Roy Moulder, Director, Procurement
Chris Allan, Director, Solid Waste Operations

Date: March 31, 2022 Meeting Date: April 8, 2022

Subject: **Amendment to Existing Sea to Sky Composting Inc. Contract to Process Yard Trimmings Received at the Central Surrey Recycling and Waste Centre**

RECOMMENDATION

That the GVS&DD Board:

- a) approve an amendment to Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. in the amount of \$828,000 (exclusive of taxes) for a total contract value of \$5,042,520 to process yard trimmings received at the Central Surrey Recycling and Waste Centre, effective from facility opening to the existing contract expiry on December 31, 2025; and
- b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the amendment should proceed.

EXECUTIVE SUMMARY

The new Central Surrey Recycling and Waste Centre is anticipated to open in June 2022. Staff recommend that the Board approve and authorize the Commissioner and the Corporate Officer to execute an amendment to the existing Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. in the amount of \$828,000 (exclusive of taxes) to process yard trimmings received at the Central Surrey Recycling and Waste Centre. The total contract value following the amendment will be \$5,042,520. The proposed amendment would provide capacity balance between the two existing organics processors, Sea to Sky Composting Inc. (Sea to Sky) and Arrow Transport Systems Inc. (Arrow), by allocating approximately 4,500 annual tonnes of yard trimmings to Sea to Sky, further bolstering resiliency in the region's organics management system.

PURPOSE

The purpose of this report is to recommend the GVS&DD Board (the Board) approve an amendment to Contract 21-215 Organics Management awarded to Sea to Sky in the amount of \$828,000 (exclusive of taxes) to process yard trimmings received at the Central Surrey Recycling and Waste Centre.

BACKGROUND

Pursuant to the *GVS&DD Officers and Delegation Bylaw No. 284, 2014* and the *Procurement and Real Property Contracting Authority Policy*, procurement contracts that exceed a value of \$5 million require the approval of the Board of Directors.

At the July 2021 Board meeting, the Board was advised that a contract was entered into with Sea to Sky to manage a portion of the organic material within the Metro Vancouver System. The Sea to Sky contract was in the amount of up to \$4,167,000 (exclusive of taxes) for a 4.5-year term expiring on

December 31, 2025. The contract included processing of approximately 6,000 tonnes per year of yard trimmings from the Langley and Maple Ridge Recycling and Waste Centres, and hauling and processing of up to 6,000 tonnes per year of single-family organics from the North Shore Recycling and Waste Centre.

This report is being brought forward to recommend amending the existing Contract 21-215 with Sea to Sky for processing yard trimmings received at the Central Surrey Recycling and Waste Centre.

AMENDMENT TO CONTRACT 21-215 ORGANICS MANAGEMENT

Organics received at Metro Vancouver's recycling and waste centres is primarily managed through three contracts, awarded following competitive procurements in 2020 and 2021:

- Arrow: Contract 20-015 for organics management at the Langley and Maple Ridge Recycling and Waste Centers – expiring December 31, 2025; and
- Arrow: Contract 20-016 for organics management at the North Shore Recycling and Waste Centre – expiring June 30, 2026.
- Sea to Sky: Contract 21-215 for organics management – expiring December 31, 2025

The unit rates in the Sea to Sky contract were based on rates provided in their submission to Request for Proposal No. 20-016. Entering into a contract with Sea to Sky provided community benefits in the Sea-to-Sky Corridor, and helps provide Metro Vancouver a robust and resilient organics management system through contracting with multiple organics processors.

2021 British Columbia Floods

The November 2021 floods that triggered a provincial state of emergency resulted in the closure of multiple highways throughout British Columbia. Arrow's processing facility near Princeton, BC was inaccessible and thus Arrow was unable to haul or process source separated organics from the North Shore Recycling and Waste Centre. The highway leading to Sea to Sky's processing facility near Pemberton, BC, was unaffected and Metro Vancouver was able to divert additional organics to Sea to Sky. Having two contractors with processing facilities located in different parts of the province provides system resiliency and flexibility. Metro Vancouver benefited from this flexibility during the flood event and was able to provide continuous organics management that would otherwise likely not be possible.

Yard Trimmings from the Central Surrey Recycling and Waste Centre

The construction of the Central Surrey Recycling and Waste Centre is nearing completion and the new facility is anticipated to be in operation in June 2022. A procurement process is underway to retain a qualified contractor for operation and maintenance of the new facility. As per the scope of services of the draft agreement for operation and maintenance of the Central Surrey Recycling and Waste Centre, the contractor operating the facility will collect and transport approximately 4,500 tonnes of yard trimmings per year to Sea to Sky's composting facility located in Pemberton, BC.

Sea to Sky has agreed to accept yard trimmings from the Central Surrey Recycling and Waste Centre at the existing contract rate of \$48/tonne for processing yard trimmings from Maple Ridge and Langley Recycling and Waste Centres. The total cost for processing yard trimmings from the Central

Surrey Recycling and Waste Centre over the remaining Sea to Sky contract term is anticipated to be up to \$828,000. The amendment cost is based on estimated 4,500 tonnes per year and subject to annual inflation adjustment as per the existing contract terms. Overall, the proposed amendment represents a good value to Metro Vancouver and will further increase resiliency in the region's organics management system.

ALTERNATIVES

1. That the GVS&DD Board:
 - a) approve an amendment to Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. in the amount of \$828,000 (exclusive of taxes) for a total contract value of \$5,042,520 to process yard trimmings received at the Central Surrey Recycling and Waste Centre, effective from facility opening to the existing contract expiry on December 31, 2025; and
 - b) authorize the Commissioner and the Corporate Officer to execute the required documentation once the Commissioner is satisfied that the amendment should proceed.
2. That the GVS&DD Board not approve amendment to Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. to process yard trimmings received at the Central Surrey Recycling and Waste Centre and direct staff to report back to the GVS&DD Board with options for an alternate course of action.

FINANCIAL IMPLICATIONS

If the Board approves Alternative 1, Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. will be amended for an additional \$828,000 (exclusive of taxes) to process yard trimmings received at the Central Surrey Recycling and Waste Centre. The amendment value is based on an estimated yard trimmings tonnage to be received at the Central Surrey Recycling and Waste Centre, with the payable amount dependent on the actual tonnages. The amendment value also accounts for estimated annual inflation adjustments to the processing rate, as per the existing contract terms. If approved, the amendment would result in a total revised contract value of up to \$5,042,520 over the existing contract term expiring December 31, 2025. The proposed amendment cost can be accommodated within the approved 2022 Solid Waste Operations budget and the Solid Waste Services five-year financial plan.

CONCLUSION

The Central Surrey Recycling and Waste Centre is anticipated to be in operation in June 2022. Sea to Sky has agreed to accept the yard trimmings received at the Central Surrey Recycling and Waste Centre at the existing contract rates. Staff recommend that the Board approve and authorize the Commissioner and the Corporate Officer to execute an amendment to the existing Contract 21-215 Organics Management awarded to Sea to Sky Composting Inc. in the amount of \$828,000 (exclusive of taxes) to process yard trimmings received at the Central Surrey Recycling and Waste Centre. The amendment would result in a total revised contract value of up to \$5,042,520 over the existing contract term expiring December 31, 2025.

50939562

To: Zero Waste Committee

From: Allen Jensen, Senior Project Engineer, Solid Waste Services

Date: March 31, 2022 Meeting Date: April 8, 2022

Subject: **GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022**

RECOMMENDATION

That the GVS&DD Board

- a) approve the following amendments to the Tipping Fee Bylaw effective June 1, 2022:
 - i. remove references to the Coquitlam Recycling and Waste Centre;
 - ii. set the minimum fee for Central Surrey Recycling and Waste Centre at \$15 per load including transaction fee; and
 - iii. establish a rate of \$130 per tonne for residuals from construction and demolition waste processing facilities.
 - b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*; and
 - c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*.
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EXECUTIVE SUMMARY

The *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* (Tipping Fee Bylaw) sets rates and requirements at Metro Vancouver solid waste facilities. This report proposes updates to the Tipping Fee Bylaw to remove reference to the now closed Coquitlam Recycling and Waste Centre, align peak hours rates at Central Surrey Recycling and Waste Centre with Langley and Maple Ridge recycling and waste centres, and establish a rate of \$130 per tonne for residuals from construction and demolition waste processing at Metro Vancouver solid waste facilities. Changes will be effective June 1, 2022.

PURPOSE

To seek Board approval to amend the Tipping Fee Bylaw.

BACKGROUND

The current Tipping Fee Bylaw is a consolidation of *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* and a series of subsequent amendment bylaws. This report proposes updates to the Tipping Fee Bylaw.

TIPPING FEE BYLAW CHANGES

The proposed changes to the Tipping Fee Bylaw are described below.

Removal of References to Coquitlam Recycling and Waste Centre

With the opening of the United Boulevard Recycling and Waste Centre and closure of the Coquitlam Recycling and Waste Centre, it is no longer necessary to reference the Coquitlam Recycling and Waste Centre in the Tipping Fee Bylaw. Accordingly, it is proposed that the list of solid waste facilities in Schedule "A" and facility rates listed in Table 1 and Table 3 in Schedule "B" be revised to remove references to the Coquitlam Recycling and Waste Centre.

Minimum Fees for Central Surrey Recycling and Waste Centre

North Shore, United Boulevard, and North Surrey recycling and waste centres have minimum fees for garbage and used gypsum of \$25 per load (including \$5 transaction fee) Monday-Friday 10:00 a.m. to 2:00 p.m. to encourage users with small loads to come outside of peak times. Encouraging users with small loads to come outside peak times helps minimize congestion at these facilities. Central Surrey will operate on the same basis as Langley and Maple Ridge recycling and waste centres only accepting small, manually unloaded vehicles. On this basis, it is rationale to set minimum fees for Central Surrey on the same basis as Langley and Maple Ridge recycling and waste centres at \$15 per load including the transaction fee of \$5.

Construction and Demolition Processing Residual Waste

To align with the City of Vancouver's Solid Waste Bylaw No. 8417, a new rate at \$130 per tonne is proposed for residual waste received from construction and demolition waste processing facilities. Residual waste is the non-recyclable residuals after recovering materials such as wood, metals, glass and plastics from construction and demolition waste. \$130 per tonne is consistent with Metro Vancouver's average cost of processing garbage. Construction and demolition processing residual waste comes only in large loads and as such it is reasonable to charge a rate based on Metro Vancouver's average processing costs.

The regional solid waste system has historically seen large variation in quantities of construction and demolition material processing facility residuals received, which makes planning for contingency disposal requirements challenging. Setting the rate at \$130 per tonne is expected to reduce variability in quantities of the material.

ALTERNATIVES

1. That the GVS&DD Board
 - a) approve the following amendments to the Tipping Fee Bylaw effective June 1, 2022:
 - i. remove references to the Coquitlam Recycling and Waste Centre;
 - ii. set the minimum fee for Central Surrey Recycling and Waste Centre at \$15 per load including transaction fee; and
 - iii. establish a rate of \$130 per tonne for residuals from construction and demolition waste processing facilities.
 - b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*; and
 - c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*.

2. That the GVS&DD Board receive the report dated March 31, 2022, titled “*GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022*” and provide alternate direction to staff.

FINANCIAL IMPLICATIONS

If the Board approves Alternative 1, changes described in this report will take effect June 1, 2022, with notification to solid waste system users following approval of the bylaw. Setting the tipping fee for construction and demolition waste processing facility residuals at the average cost of garbage disposal will ensure cost recovery for the material and allow optimization of contingency disposal planning.

If the Board does not approve Alternative 1, the current Tipping Fee Bylaw provisions will remain in place.

CONCLUSION

Tipping Fee Bylaw updates are required due the closure of the Coquitlam Recycling and Waste Centre, which has been replaced by the United Boulevard Recycling and Waste Centre, the opening of Central Surrey Recycling and Waste Centre, and to set a tipping fee for construction and demolition waste processing facility residuals. Staff recommend Alternative 1, that the Board approve amending the Tipping Fee Bylaw.

Attachments

1. GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw 354, 2022 – Amends Bylaw 306, 2017
2. Blackline Version Proposed Changes to GVS&DD Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017

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**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT
BYLAW NO. 354, 2022**

**A Bylaw to amend Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid
Waste Disposal Regulation Bylaw No. 306, 2017**

WHEREAS:

- A. The Greater Vancouver Sewerage and Drainage District (the "GVS&DD") Board (the "Board") adopted the "Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017", as amended, a Bylaw to establish a scale of fees, levies and charges for services rendered by the GVS&DD and for the use of any of the GVS&DD's waste disposal facilities; and
- B. The Board wishes to amend the "Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017".

NOW THEREFORE the Board of the Greater Vancouver Sewerage and Drainage District enacts as follows:

Citation

1. The official citation of this bylaw is "Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 354, 2022".

Effective Date

2. This bylaw comes into force and takes effect on June 1, 2022.

Amendment of Bylaw

3. "Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017" is hereby amended as follows:

(a) In section 3.1 the following definitions are hereby added in alphabetical order:

"Construction and Demolition Processing Residual Waste" means Refuse that remains after Construction and Demolition Waste has been processed by a Private Construction and Demolition Waste Processing Facility to recover materials such as wood, metals, glass and plastics;

"Private Construction and Demolition Waste Processing Facility" means a facility that holds a valid and subsisting licence to receive Construction and Demolition Waste pursuant to *Greater Vancouver Sewerage and Drainage District Solid Waste and Recyclable Material Regulatory Bylaw 181, 1996*, as amended or replaced from time to time;

- (b) In section 3.1 the definition of “Tipping Fee” is hereby deleted and replaced with the following:

"Tipping Fee" means the fee charged by the GVS&DD for disposing of Garbage, Construction and Demolition Processing Residual Waste or Special Handle Waste at a Solid Waste Facility, as set out in Table 1 of Schedule "B" of this Bylaw, and which includes the Disposal Rate and the Generator Levy;

- (c) In section 3.1 the definition of “Transaction Fee” is hereby deleted and replaced with the following:

"Transaction Fee" means the fee charged by the GVS&DD, in addition to the Tipping Fee, for all Loads of Garbage or Construction and Demolition Processing Residual Waste disposed of at a Solid Waste Facility, all Loads of Special Handle Waste disposed of at the Waste-to-Energy Facility and all Loads of Gypsum dropped off at designated Recycling Areas, as set out in Table 2 of Schedule "B" of this Bylaw;

- (d) Section 5.3 is hereby added, and the current sections 5.3 to 5.22, and all references to those sections, are re-numbered accordingly:

5.3 Every person who disposes of Construction and Demolition Processing Residual Waste at a Solid Waste Facility must pay the applicable Tipping Fee specified in Table 1 of Schedule "B" of this Bylaw and the Transaction Fee specified in Table 2 of Schedule "B" of this Bylaw.

- (e) Schedule “A” is hereby deleted and replaced with Schedule “A” that is attached to and forms part of this bylaw.

- (f) Table 1 of Schedule “B” is hereby deleted and replaced with Table 1 of Schedule “B” that is attached to and forms part of this bylaw.

- (g) Table 2 of Schedule “B” is hereby deleted and replaced with Table 2 of Schedule “B” that is attached to and forms part of this bylaw.

- (h) Table 3 of Schedule “B” is hereby deleted and replaced with Table 3 of Schedule “B” that is attached to and forms part of this bylaw.

Read a first, second and third time this _____ day of _____, _____.

Passed and finally adopted this _____ day of _____, _____.

Sav Dhaliwal, Chair

Chris Plagnol, Corporate Officer

SOLID WASTE FACILITIES

- Central Surrey Recycling and Waste Centre located at 6711 – 154 Street, Surrey
- Langley Recycling and Waste Centre located at 1070 272 Street, Langley
- Maple Ridge Recycling and Waste Centre located at 10092 236 Street, Maple Ridge
- North Shore Recycling and Waste Centre located at 30 Riverside Drive, North Vancouver
- North Surrey Recycling and Waste Centre located at 9770 192 Street, Surrey
- United Boulevard Recycling and Waste Centre located at 995 United Boulevard, Coquitlam
- Waste-to-Energy Facility located at 5150 Riverbend Drive, Burnaby

**Table 1-Tipping Fees for Garbage, Construction and Demolition Processing Residual Waste and Special Handle Waste
(including the Generator Levy and the Disposal Rate)**

	Net Weight	North Shore Recycling and Waste Centre¹	North Surrey Recycling and Waste Centre¹	United Boulevard Recycling and Waste Centre¹	Central Surrey Recycling and Waste Centre¹	Maple Ridge Recycling and Waste Centre¹	Langley Recycling and Waste Centre¹	Waste-to-Energy Facility¹
Municipal Garbage	All Loads	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne
All Garbage other than Municipal Garbage	0 to .99 tonnes	\$155/tonne ²	\$155/tonne ²	\$155/tonne ²	\$155/tonne ²	\$155/tonne ³	\$155/tonne ²	\$155/tonne ²
	1.0 to 7.99 tonnes	\$133/tonne ⁴	\$133/tonne ⁴	\$133/tonne ⁴	\$133/tonne ⁴	\$133/tonne ⁵	\$133/tonne ⁴	\$133/tonne ⁴
	8.0 tonnes or more	\$107/tonne	\$107/tonne	\$107/tonne	Not accepted.	Not accepted.	Not accepted.	\$107/tonne
Construction and Demolition Processing Residual Waste	All Loads	\$130/tonne	\$130/tonne	\$130/tonne	Not accepted.	Not accepted.	Not accepted.	\$130/tonne
Minimum Tipping Fee for Garbage and Construction and Demolition Processing Residual Waste (as applicable)	Minimum Tipping Fee during Peak Hours	\$20/Load	\$20/Load	\$20/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load
	Minimum Tipping Fee outside of Peak Hours	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load
Special Handle Waste	All Loads	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	\$255/tonne \$50 minimum.

¹All Loads originating from Maple Ridge will be assessed an additional fee of \$4/tonne.

²To a maximum of \$133 per Load.

³To a maximum of \$137 per Load.

⁴To a maximum of \$856 per Load.

⁵To a maximum of \$888 per Load.

Table 2 – Transaction Fee

Each Load of Garbage or Construction and Demolition Processing Residual Waste disposed of at a Solid Waste Facility, each Load of Special Handle Waste disposed of at the Waste-to-Energy Facility, and each Load of Gypsum dropped off at a designated Recycling Area	\$5/Load
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Table 3 – Recycling Fees for materials dropped off in designated Recycling Areas

	North Shore Recycling and Waste Centre	North Surrey Recycling and Waste Centre	United Boulevard Recycling and Waste Centre	Central Surrey Recycling and Waste Centre	Maple Ridge Recycling and Waste Centre	Langley Recycling and Waste Centre	Waste-to-Energy Facility
Municipal Organics	\$108/tonne, \$10 minimum	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.
Source-Separated Organic Waste	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	Not accepted.
Green Waste	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	Not accepted.
Clean Wood	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum.	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum.	Not accepted.
Gypsum – New: less than ½ tonne	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	Not accepted.
Gypsum – Used: less than ½ tonne	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	Not accepted.
Mattresses	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	Not accepted.

3.0 Definitions

3.1 In this Bylaw:

"Agricultural Waste" means Refuse that originates from an agricultural operation as defined pursuant to the *Agricultural Waste Control Regulation*, B.C. Reg. 131/1992, adopted pursuant to the *Environmental Management Act*, and includes manure, used mushroom medium and agricultural vegetation waste;

"Banned Materials" means Hazardous and Operational Impact Materials, Recyclable Materials or Product Stewardship Materials;

"Board" means the board of directors of the Greater Vancouver Sewerage and Drainage District;

"Clean Wood" means Municipal Solid Waste that comprises solid wood, lumber or pallets:

- (i) that does not contain any glues or resins;
- (ii) that is unpainted, unstained and untreated; and
- (iii) that may or may not be pierced with nails or other metal fasteners;

"Construction and Demolition Processing Residual Waste" means Refuse that remains after Construction and Demolition Waste has been processed by a Private Construction and Demolition Waste Processing Facility to recover materials such as wood, metals, glass and plastics;

Replaced by Bylaw 350, 2021.

"Construction and Demolition Waste" means Refuse that originates from demolition or construction sources that has not been handled or managed with waste from other sources;

"Contaminated Recyclable Paper" means Recyclable Paper that has been contaminated with grease, oil, food residue or other material;

"Corrugated Cardboard" means Recyclable Paper that consists of a fluted corrugated sheet and one or two flat linerboards;

"Delta Garbage" means all Garbage originating from within the territorial boundaries of the Corporation of Delta, except Delta Residential Drop-off Garbage;

"Delta Residential Drop-off Garbage" means Garbage brought to a Vancouver Disposal Site by residential customers who reside in Delta;

Added by Bylaw 308, 2017

"Disposal Rate" is the difference between the Tipping Fee and the Generator Levy, and is

"Personal Hygiene Products" means personal care products such as diapers, feminine hygiene products and incontinence products;

"Private Construction and Demolition Waste Processing Facility" means a facility that holds a valid and subsisting licence to receive Construction and Demolition Waste pursuant to *Greater Vancouver Sewerage and Drainage District Solid Waste and Recyclable Material Regulatory Bylaw 181, 1996*, as amended or replaced from time to time;

"Product Stewardship Materials" means the classes of Refuse listed in Schedule "E";

Added by Bylaw 312, 2018

"Qualified Private Facility" means a facility that:

- (i) manages Mixed Municipal Solid Waste;
- (ii) reduces the total weight of incoming Mixed Municipal Solid Waste by at least 25%, calculated monthly, as a result of resource recovery or the production of fuel at the facility, provided always that any material delivered to a landfill, including material used for roads or for alternative daily cover, is included in the calculation as waste disposed from the facility; and
- (iii) operates in full compliance with all applicable laws, including holding a valid and subsisting license to manage Mixed Municipal Solid Waste pursuant to *Greater Vancouver Sewerage and Drainage District Solid Waste and Recyclable Material Regulatory Bylaw 181, 1996*, as amended or replaced from time to time;

"Quarter" means, within any calendar year, the three month period from January 1 to March 31, April 1 to June 30, July 1 to September 30, or October 1 to December 31;

"Recyclable Materials" means the classes of Refuse listed in Schedule "D";

Replaced by Bylaw 323, 2018

"Recyclable Paper" means Municipal Solid Waste manufactured from thin sheets from wood pulp or other fibrous substances that may be converted into reusable materials and includes newspapers and inserts, magazines, telephone directories, catalogues, office papers, envelopes, boxboard, paper bags and mail, but excludes photographic paper, carbon paper, tissue paper, paper napkins or towels, paper that is adhered to plastic or metal;

"Recycling Area" means those parts of a Solid Waste Facility or Vancouver Disposal Site designated for Green Waste, Source-Separated Organic Waste, Clean Wood, Gypsum, Mattresses and the specific materials, substances and objects that comprise Recyclable Materials and Product Stewardship Materials;

Replaced by Bylaw 350, 2021

"Recycling Fee" the recycling fee charged by the GVS&DD for Green Waste, Municipal Organics, Source-Separated Organic Waste, Clean Wood, Gypsum, Mattresses and the specific materials, substances and objects that comprise Recyclable Materials dropped off in the designated Recycling Area at a Solid Waste Facility, as set out in Table 3 of Schedule "B" of this Bylaw;

"Recycling Regulation" means the *Recycling Regulation*, B.C. Reg. 449/2004 adopted pursuant to the *Environmental Management Act*;

"Refuse" means discarded or abandoned materials, substances or objects;

"Regional Services Rate" means the fee charged by the GVS&DD for solid waste management related services that the GVS&DD provides for the benefit of the entire area of the GVS&DD including, but not limited to, system analysis and planning, regulation and enforcement, demolition, land clearing and construction waste management, recycling and sustainability initiatives and administration;

"Snow Flocked or Frosted Tree" means a natural tree that has received an application of a substance that looks like artificial snow.

Amended by Bylaw 350, 2021.

"Solid Waste Facility" means any of the Municipal Solid Waste disposal facilities listed in Schedule "A";

"Source-Separated Organic Waste" means unpackaged Food Waste, Green Waste, Clean Wood, Recyclable Paper that has been soiled by or comingled with food residue, or carbon paper, tissue paper, paper napkins or towels or paper that is covered or infused with wax, or any combination thereof and does not contain more than 0.05% (by wet weight) of any other type of Refuse;

Added by Bylaw 308, 2017. Replaced by Bylaw 312, 2018

"Source-Separated Recyclable Material" means EMA Recyclable Material that has been separated from Municipal Solid Waste by the waste generator at the point of generation for the purposes of recycling;

Replaced by Bylaw 330, 2020

"Special Handle Waste" means Out of Region Waste, International Waste and Municipal Solid Waste that requires immediate destruction or is designated for product destruction by a regulatory agency;

"Surcharge" means the amount charged by the GVS&DD, in addition to the applicable Tipping Fee, for disposing of Banned Materials at a Solid Waste Facility, as set out in Table 4 of Schedule "B" of this Bylaw;

Replaced by Bylaw 306, 2017

"Tipping Fee" means the fee charged by the GVS&DD for disposing of Garbage,

Construction and Demolition Processing Residual Waste or Special Handle Waste at Solid Waste Facility, as set out in Table 1 of Schedule "B" of this Bylaw, and which includes the Disposal Rate and the Generator Levy;

"Toxic Plants" means Devil's Club (*Oplopanax Horridus*), Giant Hogweed (*Heracleum Mantegazzianum*) and Spurge Laurel (*Daphne Laureola*).

"Transaction Fee" means the fee charged by the GVS&DD, in addition to the Tipping Fee, for all Loads of Garbage or Construction and Demolition Processing Residual Waste disposed of at Solid Waste Facilities, all Loads of Special Handle Waste disposed of at the Waste-to-Energy Facility and all Loads of Gypsum dropped off at designated Recycling Areas, as set out in Table 2 of Schedule "B" of this Bylaw;

"Unsecured Load" means a Load that is not tied and covered or otherwise secured to prevent any of the Load escaping from the vehicle;

"Vancouver Disposal Site" means either of the following Municipal Solid Waste disposal facilities that are owned or operated by the City of Vancouver:

- (i) Vancouver Landfill located at 5400 72nd Street, Delta; and
- (ii) Vancouver South Transfer Station, Recycling Depot and Yard Trimmings Drop-off located at 377 West Kent Avenue North, Vancouver; and

"Vancouver Garbage" means all Garbage that originates from within the territorial boundaries of the City of Vancouver.

Added by Bylaw 308, 2017

"Waste Hauler" has the same meaning as in the Act.

"Weight Only Ticket" means a document provided at the scale house that records only the weight of the particular Load brought to a Solid Waste Facility.

4.0 Restrictions and Prohibitions

4.1 No person shall dispose of anything at a Solid Waste Facility except in accordance with this Bylaw.

Replaced by Bylaw 336, 2020

4.2 No person shall dispose of Municipal Solid Waste at a Solid Waste Facility unless it originates from within the geographic area of the MVRD.

Replaced by Bylaw 336, 2020

4.3 Despite section 4.2, acceptance at a Solid Waste Facility of Out of Region Waste and International Waste may be approved:

GVS&DD must pay the Generator Levy in the amount of \$54/tonne with respect to all Municipal Solid Waste that that person generates as follows:

- (a) to the GVS&DD at a Solid Waste Facility in accordance with section 5.2;
- (b) to the City of Vancouver at a Vancouver Disposal Site as part of the applicable tipping fee at that site; or
- (c) to a Waste Hauler that picks up their Municipal Solid Waste.

Replaced by Bylaw 350, 2021

5.2 Unless otherwise permitted pursuant to a written agreement between a municipality and the GVS&DD, every person who disposes of Municipal Solid Waste at a Solid Waste Facility must pay to the GVS&DD:

- (a) the applicable Tipping Fees set out in Table 1 of Schedule "B";
- (b) the Transaction Fee set out in Table 2 of Schedule "B";
- (c) the applicable Recycling Fees set out in Table 3 of Schedule "B"; and
- (d) the applicable Surcharges set out in Table 4 of Schedule "B",

and all such fees and charges must be paid before the person leaves the Solid Waste Facility.

5.3 Every person who disposes of Construction and Demolition Processing Residual Waste at a Solid Waste Facility must pay the applicable Tipping Fee specified in Table 1 of Schedule "B" of this Bylaw and the Transaction Fee specified in Table 2 of Schedule "B" of this Bylaw.

~~5.43~~ Every person who disposes of Special Handle Waste at the Waste-to-Energy Facility must pay the applicable Tipping Fee specified in Table 1 of Schedule "B" of this Bylaw and the Transaction Fee specified in Table 2 of Schedule "B" of this Bylaw.

Replaced by Bylaw 350, 2021.

~~5.54~~ Unless otherwise permitted pursuant to a written agreement between a municipality and the GVS&DD, every person who drops off a Load of Municipal Organics, Source-Separated Organic Waste, Green Waste, Clean Wood, Gypsum or Mattresses at a designated Recycling Area must pay the applicable Recycling Fee specified in Table 3 of Schedule "B" of this Bylaw.

~~5.65~~ If a person attends a Solid Waste Facility with a Load that contains any combination of Source-Separated Organic Waste, Green Waste, Food Waste, Clean Wood, Gypsum, Mattresses, other Recyclable Materials and/or other Municipal Solid Waste and the person chooses not to weigh-out after dropping off each part of the Load at the designated Recycling Areas, then the person must pay to the GVS&DD the Tipping Fee for the entire Load that is based on the highest fee payable for any part of the Load, in the amounts set out in Schedule "B" of this Bylaw, together with any applicable Surcharges.

- ~~5.76~~ Every person who disposes of a Load at a Solid Waste Facility that contains a quantity of Recyclable Materials other than Food Waste or Expanded Polystyrene Packaging that exceeds either 5% of the total weight of the Load or 5% of the total volume of the Load must pay a Surcharge in the amount set out in Table 4 of Schedule "B" of this Bylaw.
- ~~5.87~~ Every person who disposes of a Load at a Solid Waste Facility that contains Contaminated Recyclable Paper that exceeds either 5% of the total weight of the Load or 5% of the total volume of the Load must pay a Surcharge in the amounts set out in Table 4 of Schedule "B" of this Bylaw.
- ~~5.98~~ Every person who disposes of a Load at a Solid Waste Facility that contains Expanded Polystyrene Packaging that exceeds either 20% of the total weight of the Load or 20% of the total volume of the Load must pay a Surcharge in the amounts set out in Table 4 of Schedule "B" of this Bylaw.
- ~~5.109~~ Every person who disposes of a Load at a Solid Waste Facility that contains Food Waste that exceeds either 25% of the total weight of the Load or 25% of the total volume of the Load must pay a Surcharge in the amounts set out in Table 4 of Schedule "B" of this Bylaw.

Replaced by Bylaw 350, 2021

- ~~5.1110~~ Every person who drops off a Load of Municipal Organics or Source-Separated Organic Waste at a designated Recycling Area that contains more than 0.05% (by wet weight) of any other type of Refuse must pay a Surcharge in the amount set out in Table 4 of Schedule "B" of this Bylaw.
- ~~5.1211~~ Every person who disposes of a Load at a Solid Waste Facility that contains any Hazardous and Operational Impact Materials or Product Stewardship Materials must pay a Surcharge in the amount set out in Table 4 of Schedule "B" of this Bylaw, plus the costs of remediation and clean up.
- ~~5.1312~~ Every person who enters a Solid Waste Facility with an Unsecured Load must pay a Surcharge in the amount set out in Table 4 of Schedule "B" of this Bylaw.
- ~~5.1413~~ Special Handle Waste is exempt from all Surcharges, but if a Load of Special Handle Waste contains any Hazardous and Operational Impact Materials, it will be subject to the costs of remediation and clean-up.
- ~~5.1514~~ Where a single Load is subject to multiple Surcharges, the Surcharge with the highest value will apply for the weight of the entire Load.
- ~~5.1615~~ Despite anything else in this Bylaw, in advance of any person transporting a single Load or multiple Loads to a Solid Waste Facility, the Manager may, at his or her discretion, waive any Surcharge or Surcharges or a portion thereof for a specified period and for specified classes of persons.

~~5.1716~~ Despite anything else in this Bylaw, the Manager may, at his or her discretion, waive all fees and charges for a Load delivered to a Solid Waste Facility by a non-profit or volunteer group resulting from a community clean-up project, provided that:

Replaced by Bylaw 335, 2020

- (a) the community clean-up project is conducted within the geographic area of any MVRD member municipalities;
- (b) the community clean-up project involves collecting Noxious Weeds, litter or abandoned waste from the natural environment from any of the following publicly owned areas:
 - (i) green space, such as natural areas, recreational parks or playgrounds;
 - (ii) roads;
 - (iii) marine shorelines and harbours;
 - (iv) lakes, ponds, rivers, creeks, streams or other natural waterways.
- (c) the Load does not contain Recyclable Materials or Hazardous and Operational Impact Materials;
- (d) the Manager receives an advance written request from the non-profit or volunteer group prior to the date the community clean-up project is to be held;
- (e) the Manager confirms in writing to the non-profit or volunteer group that fees and charges otherwise payable under this Bylaw will be waived; and
- (f) the non-profit or volunteer group brings the Manager's written confirmation to the Solid Waste Facility at the time of disposal.

~~5.1817~~ The weigh scales at Solid Waste Facilities weigh to the nearest 0.005 tonnes. For those customers who do not have a customer charge account, as described in Schedule "F", the total amount payable to GVS&DD is rounded to the nearest dollar.

~~5.1918~~ Every person who enters a Solid Waste Facility to obtain a Weight Only Ticket must pay a fee of \$15 per ticket.

~~5.2019~~ Every person who disposes of a Load at the Waste-to-Energy Facility that is made up of at least 85% by weight of metals will receive a credit of \$25 per tonne on exiting the scale house at the Waste-to-Energy Facility.

~~5.2120~~ Despite section 5.1 of this Bylaw, any person may apply to the GVS&DD for a customer charge

account in accordance with Schedule "F" to this Bylaw.

~~5.2221~~ In the event the weigh scale system at a Solid Waste Facility is not functioning for any reason, at his or her discretion the Manager may:

- (a) close the Solid Waste Facility until the weigh scale system is functioning; or
- (b) permit a person to dispose of a single Load at the Solid Waste Facility subject to the following:
 - (i) the Load must not measure more than 0.5 cubic metres in volume; and
 - (ii) the minimum Tipping Fee set out in Table 1 of Schedule "B" of this Bylaw, plus the Transaction Fee, will be charged for the Load.

~~5.2322~~ In the event that a customer enters the Solid Waste Facility with a rental vehicle, out-of-province or dealer licence plate, or previously left without payment then a \$50 deposit is required on entry to the Solid Waste Facility.

6.0 Regional Services Rate

6.1 The Regional Services Rate is set at an amount equal to 6% of the Tipping Fee for Municipal Garbage, as specified in Table 1 of Schedule "B". The Regional Services Rate is included in all Tipping Fees.

6.2 Every Quarter, the City of Vancouver must record:

- (a) the total tonnage of Garbage;
- (b) the tonnage of Vancouver Garbage and Delta Garbage; and
- (c) the tonnage of Delta Residential Drop-off Garbage,

that is disposed of at the Vancouver Disposal Sites during that Quarter and provide such information to GVS&DD and the Corporation of Delta within 30 days of the end of the Quarter.

6.3 Every Quarter GVS&DD will invoice the City of Vancouver for an amount equal to the Regional Services Rate for every tonne of Vancouver Garbage and Delta Residential Drop-off Garbage disposed of at the Vancouver Disposal Sites during the previous Quarter, and the City of Vancouver must remit payment to GVS&DD within 30 days of the date of such invoice.

6.4 Every Quarter GVS&DD will invoice the Corporation of Delta for an amount equal to the Regional Services Rate for every tonne of Delta Garbage disposed of at the Vancouver

SCHEDULE "A"

SOLID WASTE FACILITIES

- Central Surrey Recycling and Waste Centre located at 6711 – 154 Street, Surrey
- ~~Coquitlam Recycling and Waste Centre located at 1200 United Boulevard, Coquitlam~~
- Langley Recycling and Waste Centre located at 1070 272 Street, Langley
- Maple Ridge Recycling and Waste Centre located at 10092 236 Street, Maple Ridge
- North Shore Recycling and Waste Centre located at 30 Riverside Drive, North Vancouver
- North Surrey Recycling and Waste Centre located at 9770 192 Street, Surrey
- United Boulevard Recycling and Waste Centre at 995 United Boulevard, Coquitlam
- Waste-to-Energy Facility located at 5150 Riverbend Drive, Burnaby

SCHEDULE "B"

TIPPING FEES, TRANSACTION FEE, RECYCLING FEES AND SURCHARGES

Amended by Bylaw 350, 2021

**Table 1-Tipping Fees for Garbage and Special Handle Waste
(including the Generator Levy and the Disposal Rate)**

Replaced by Bylaw 350, 2021, **effective January 1, 2022**

	Net Weight	NorthShore Recycling and Waste Centre ¹	North Surrey Recycling and Waste Centre ¹	Coquitlam Recycling and Waste Centre¹	United Boulevard Recycling and Waste Centre ¹	Central Surrey Recycling and Waste Centre ¹	Maple Ridge Recycling and Waste Centre ¹	Langley Recycling and Waste Centre ¹	Waste-to-Energy Facility ¹
Municipal Garbage	All Loads	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne	\$121/tonne
All Garbage other than Municipal Garbage	0 to .99 tonnes 1.0 to 7.99 tonnes 8.0 tonnes or more	\$155/tonne ² \$133/tonne ⁴ \$107/tonne	\$155/tonne ² \$133/tonne ⁴ \$107/tonne	\$155/tonne² \$133/tonne⁴ \$107/tonne	\$155/tonne ² \$133/tonne ⁴ \$107/tonne	\$155/tonne ^{3,2} \$133/tonne ^{5,4} Not accepted.	\$155/tonne ³ \$133/tonne ⁵ Not accepted.	\$155/tonne ² \$133/tonne ⁴ Not accepted.	\$155/tonne ² \$133/tonne ⁴ \$107/tonne
<u>Construction and Demolition Processing Residual Waste</u>	<u>All Loads</u>	<u>\$130/tonne</u>	<u>\$130/tonne</u>		<u>\$130/tonne</u>	<u>Not accepted.</u>	<u>Not accepted.</u>	<u>Not accepted.</u>	<u>\$130/tonne</u>
Minimum Tipping Fee for Garbage and Construction and Demolition Processing Residual Waste (as applicable)	Minimum Tipping Fee during Peak Hours	\$20/Load	\$20/Load	\$20/Load	\$20/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load
	Minimum Tipping Fee outside of Peak Hours	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load	\$10/Load
Special Handle Waste	All Loads	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	\$255/tonne, \$50 minimum.

¹All Loads originating from Maple Ridge will be assessed an additional fee of \$4/tonne.

²To a maximum of \$133 per Load.

- ³ To a maximum of \$137 per Load.
- ⁴ To a maximum of \$856 per Load.
- ⁵ To a maximum of \$888 per Load.

Amended by Bylaw 350, 2021, **effective January 1, 2022**

Table 2 – Transaction Fee

Each Load of Garbage <u>or Construction and Demolition Processing Residual Waste</u> disposed of at any Solid Waste Facility, each Load of Special Handle Waste disposed of at the Waste-to-Energy Facility, and each Load of Gypsum dropped off at a designated Recycling Area	\$5/Load
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Table 3 – Recycling Fees for materials dropped off in designated Recycling Areas

Replaced by Bylaw 350, 2021, effective January 1, 2022.

	North Shore Recycling and Waste Centre	North Surrey Recycling and Waste Centre	Coquitlam Recycling and Waste Centre	United Boulevard Recycling and Waste Centre	Central Surrey Recycling and Waste Centre	Maple Ridge Recycling and Waste Centre	Langley Recycling and Waste Centre	Waste-to-Energy Facility
Municipal Organics	\$108/tonne, \$10 minimum	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.	Not accepted.
Source-Separated Organic Waste	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	Not accepted.
Green Waste	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	Not accepted.
Clean Wood	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum.	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum	\$102/tonne, \$10 minimum.	Not accepted.
Gypsum – New: less than ½ tonne	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	\$150/tonne, \$10 minimum	Not accepted.
Gypsum – Used: less than ½ tonne	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	\$200/tonne, \$10 minimum	Not accepted.
Mattresses	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	\$15 per Mattress	Not accepted.

Table 4 - Surcharges

Replaced by Bylaw 350, 2021, effective January 1, 2022

Loads containing Recyclable Materials other than Food Waste or Expanded Polystyrene Packaging that exceeds either 5% of the total weight of the Load or 5% of the total volume of the Load (section 5. 76)	50% of the applicable Tipping Fee
Loads containing Contaminated Recyclable Paper that exceeds either 5% of the total weight of the Load or 5% of the total volume of the Load (section 5. 87)	50% of the applicable Tipping Fee
Loads containing Expanded Polystyrene Packaging that exceeds either 20% of the total weight of the Load or 20% of the total volume of the Load (section 5. 98)	100% of the applicable Tipping Fee
Loads containing Food Waste that exceeds either 25% of the total weight of the Load or 25% of the total volume of the Load (section 5. 109)	50% of the applicable Tipping Fee
Loads of Municipal Organics or Source-Separated Organic Waste containing more than 0.05% (by wet weight) of any other type of Refuse (section 5. 1110)	\$50 per Load
Loads containing any Hazardous and Operational Impact Materials or Product Stewardship Materials (section 5. 1211)	\$66 per Load plus any remediation or clean-up costs
Unsecured Loads (section 5. 1312)	50% of the applicable Tipping Fee to a maximum of \$50.00

To: Zero Waste Committee

From: Lynne Vidler, Lead Senior Engineer, Solid Waste Services

Date: March 31, 2022 Meeting Date: April 8, 2022

Subject: **Solid Waste Services Capital Program Expenditure Update as of December 31, 2021**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated March 31, 2021, titled “Solid Waste Services Capital Program Expenditure Update as of December 31, 2021”.

EXECUTIVE SUMMARY

The capital expenditure reporting process, as approved by the GVS&DD Board (the Board), provides for regular status reports on capital expenditures three times per year. This is the third report for 2021, and includes the overall capital program for Solid Waste Services with a multi-year view of capital projects and the actual capital spending compared to the 2021 capital budget. In 2021, the capital expenditures for Solid Waste Services were \$46.2 million compared to a capital budget of \$96.3 million. The underspend is primarily due to longer than expected pre-construction phases for Waste-to-Energy Facility projects, and the property purchase timing for the North Surrey Recycling and Waste Centre recycling depot development. Projects underway are expected to be completed within approved budgets and remaining funds not spent in 2021 have been re-budgeted in 2022.

PURPOSE

The purpose of this report is to report on the status of the Solid Waste Services capital program and financial performance to December 31, 2021.

BACKGROUND

The capital expenditure reporting process, as approved by the Board, provides for regular status reports on capital expenditures with interim reports sent to the Water, Liquid Waste, Zero Waste, and Performance and Audit Committees in June/July, October/November, and a final year-end report to the Committees and the Boards in April of the following year.

This is the final report for 2021 and presents the overall capital program for Solid Waste Services with a multi-year view of capital projects and the actual capital spending from January to December 2021 compared to the prorated budget for this period.

2021 CAPITAL EXPENDITURES

Solid Waste Capital Program Funding

The capital spending for Solid Waste Services is funded through the Solid Waste Services operating budget by a combination of contribution to capital (pay-as-you-go funding) and debt service costs, (principal and interest payments) which is generated annually from the regional ratepayers through tipping fees. As a result, the annual impact on the ratepayers is less than the level of budgeted capital expenditures.

Overall Capital Program

The overall capital program for Solid Waste Services includes capital projects that require multiple years to complete. These projects are broken down into various phases such as project definition, pre-design, detailed design and construction. The status at the completion of each phase informs appropriate costing of subsequent phases.

Table 1 in Attachment 1 provides a summary of Solid Waste Services capital expenditures for both ongoing and completed projects. Completed projects include a summary of actual spending compared to the Board approved spending limits, while the ongoing projects include a summary of projected spending to completion compared to Board approved spending limits. With the rare exception, projects tend to complete with actual spending below the approved limits predominantly due to savings on budgeted contingency amounts. The majority of projects that were not started in 2021 are not scheduled to begin until 2022 or later.

Attachment 2 provides detail behind the summary information, including specific capital projects, summary financial information and notes. Attachment 3 provides additional project status information of some of the key projects.

2021 Capital Program Summary

The Metro Vancouver financial planning process includes Board approval of both an annual operating budget (operations, contribution to capital and debt service) and an annual capital budget for the planned capital infrastructure projects. The annual capital budget comprises the projected spending for a list of capital projects either continuing or to be started within the calendar year.

For January to December 2021, capital expenditures for Solid Waste Services were \$46.2 million compared to a total 2021 capital budget of \$96.3 million, representing an overall expenditure rate of 48%. The underspend is primarily due to longer than expected pre-construction phases for a number of Waste-to-Energy Facility projects. The pre-construction phases include detailed design and third party engineering reviews. Biosolids management at the Waste-to-Energy Facility was approved by the Ministry of Environment and Climate Change Strategy and the project was brought forward for consideration by the Zero Waste Committee and the Board in November 2021. A consultant has been retained for the refuse crane project to prepare procurement documents for detailed design and refuse crane purchase. The 2021 budget included funding for purchase of property for a recycling depot at the North Surrey Recycling and Waste Centre. Property acquisition is taking longer than planned, with the expectation that it will proceed in 2022. Construction is now complete for the United Boulevard Recycling and Waste Centre and the facility was opened on March 14, 2022. Construction of the Central Surrey Recycling and Waste Centre is well underway with completion anticipated in June 2022.

Table 2 in Attachment 1 provides a summary of the capital spending compared to the prorated capital budget as of December 31, 2021.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

Capital expenditures are funded internally (pay-as-you-go) and through debt financing. As capital expenditures are incurred, short-term financing is secured and converted twice per year to long-term debt through the Municipal Finance Authority.

CONCLUSION

This is the final in a series of three capital expenditure progress reports for 2021. Solid Waste Services has underspent its annual capital budget by \$50.1 million. The variance is primarily due to timing of the procurement phase for projects in progress and property purchase timing. Remaining funds not spent in 2021 have been re-budgeted in 2022.

Although the Solid Waste Services capital budget as of December 31, 2021 shows an underspend, the variance is a result of cash flow timing. Ongoing capital projects will be monitored to ensure they remain within total project budgets.

Attachments

1. Capital Expenditure Summary – Solid Waste Services
2. Detailed Solid Waste Services Capital Expenditure Summary
3. Solid Waste Services Capital Project Status Information

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Metro Vancouver

Capital Expenditures Summary

Solid Waste Services

As of December 31, 2021

Table 1 - Capital Program Summary by Status

Solid Waste Services	Total Budget	Total Projected Expenditures At Completion	Total Budget Less Projected Expenditures
Ongoing	\$ 253,850,000	\$ 253,605,000	\$ 245,000
Completed	8,200,000	8,200,000	-
Not Started	253,350,000	253,350,000	-
Cancelled	-	-	-
	\$ 515,400,000	\$ 515,155,000	\$ 245,000

Table 2 - 2021 December Capital Spending Summary

Solid Waste Services	2021 Budget	Actual Expenditures To December 31, 2021	
Infrastructure Opportunity Program	\$ 2,050,000	\$ 297,525	
Landfills	7,400,000	5,582,166	
Recycling and Waste Centre System	62,800,000	39,306,059	
Waste-to-Energy Facility	24,000,000	972,417	
	\$ 96,250,000	\$ 46,158,166	48%

Project Name	Project Location	Lifetime					Percent Complete	Status	Project on Schedule? Note	Comments
		Total Project Budget	Total Expenditures to Date	Remaining Budget	Projected Expenditures	Total Budget Less Projected Expenditures				
Infrastructure Opportunity Program										
WTE Facility District Heating Opportunities	Burnaby	2,300,000	440,453	1,859,547	2,300,000	-	25%	Ongoing	Y	
		2,300,000	440,453	1,859,547	2,300,000	-				
Landfills										
Alternative Fuel and Recyclables Recovery Centre	Coquitlam	60,000,000	-	60,000,000	60,000,000	-	0%	Not Started	Y	
Coquitlam Landfill Closure*	Coquitlam	5,000,000	4,998,995	1,005	5,000,000	-	100%	Completed	Y	
Coquitlam Landfill East Closure	Coquitlam	5,000,000	-	5,000,000	5,000,000	-	0%	Not Started	Y	
Coquitlam Landfill Fly Ash Cell 2 Closure Final Cover*	Coquitlam	3,200,000	3,197,734	2,266	3,200,000	-	100%	Completed	Y	
Coquitlam Landfill Gas Collection Upgrades*	Coquitlam	3,100,000	2,856,423	243,577	3,100,000	-	92%	Ongoing	Y	
Coquitlam Landfill Gas Collection Upgrades Phase II*	Coquitlam	3,600,000	3,098,378	501,622	3,600,000	-	85%	Ongoing	Y	
Coquitlam Landfill Lot 3 Development*	Coquitlam	5,000,000	3,718,273	1,281,727	5,000,000	-	95%	Ongoing	Y	
Coquitlam Landfill Pump Station Upgrade*	Coquitlam	800,000	430,009	369,991	800,000	-	85%	Ongoing	Y	
Coquitlam Landfill: Leachate Collection System Grade Realignment	Coquitlam	1,000,000	-	1,000,000	1,000,000	-	0%	Not Started	Y	
		86,700,000	18,299,812	68,400,188	86,700,000	-				
Recycling and Waste Centre System										
United Boulevard Recycling and Waste Centre Compactor	Coquitlam	2,500,000	2,317,600	182,400	2,400,000	100,000	100%	Completed	Y	
United Boulevard Recycling and Waste Centre	Coquitlam	77,600,000	71,659,209	5,940,791	77,600,000	-	96%	Ongoing	N	Facility opened on March 14, 2022
Langley Recycling and Waste Centre Recycling Depot Expansion	Langley Township	5,500,000	-	5,500,000	5,500,000	-	0%	Not Started	Y	
Maple Ridge Recycling and Waste Centre Upgrades	Maple Ridge	2,000,000	-	2,000,000	2,000,000	-	0%	Not Started	Y	
North Shore Recycling and Waste Centre Compactor Replacement	North Vancouver	2,500,000	-	2,500,000	2,500,000	-	0%	Not Started	Y	
Central Surrey Recycling and Waste Centre	Surrey	62,300,000	40,541,940	21,758,060	62,300,000	-	85%	Ongoing	Y	Facility expected to open in early summer 2022
North Surrey Recycling and Waste Centre Compactor Replacement	Surrey	2,500,000	-	2,500,000	2,500,000	-	0%	Not Started	Y	
North Surrey Recycling and Waste Centre Recycling Depot Expansion	Surrey	25,500,000	-	25,500,000	25,500,000	-	0%	Not Started	N	Land acquisition expected early 2022. Project not started
Western Region Recycling and Waste Centre Replacement	Regional	75,000,000	-	75,000,000	75,000,000	-	0%	Not Started	Y	
		255,400,000	114,518,749	140,881,251	255,300,000	100,000				
Waste to Energy Facility										
Acid Gas Reduction	Burnaby	41,000,000	450,000	40,550,000	41,000,000	-	1%	Ongoing	Y	
Biosolids Processing	Burnaby	20,500,000	367,243	20,132,757	20,368,000	132,000	5%	Ongoing	Y	
Bottom Ash Crane Replacement	Burnaby	1,500,000	-	1,500,000	1,500,000	-	0%	Ongoing	Y	
Bottom Ash Processing	Burnaby	6,800,000	6,248,214	551,786	6,800,000	-	92%	Ongoing	N	Project schedule impacted due to the timing of the procurement phase
Carbon Silo Replacement	Burnaby	2,400,000	-	2,400,000	2,400,000	-	0%	Not Started	Y	
Compressed Air System Replacement	Burnaby	3,000,000	8,423	2,991,577	3,000,000	-	5%	Ongoing	Y	
District Energy	Burnaby	40,000,000	-	40,000,000	40,000,000	-	0%	Not Started	Y	
Electrical Transformers Replacement	Burnaby	5,000,000	-	5,000,000	5,000,000	-	0%	Not Started	Y	
Fabric Filter Hopper and Pulse Header Refurbishment	Burnaby	2,250,000	-	2,250,000	2,250,000	-	5%	Ongoing	N	Consultant has been engaged for detailed design.
Feed Hopper/Chute	Burnaby	2,600,000	1,602,760	997,240	2,587,000	13,000	70%	Ongoing	Y	
Fly Ash Silo Refurbishment	Burnaby	1,000,000	-	1,000,000	1,000,000	-	0%	Not Started	Y	
Generation Bank Replacement	Burnaby	9,000,000	-	9,000,000	9,000,000	-	0%	Not Started	Y	
Lime Silo Replacement	Burnaby	3,600,000	-	3,600,000	3,600,000	-	0%	Not Started	Y	
Primary Economizer Replacement	Burnaby	5,000,000	93,851	4,906,149	5,000,000	-	2%	Ongoing	N	Authorization has been provided to Covanta
Primary Superheaters Replacement	Burnaby	4,000,000	-	4,000,000	4,000,000	-	0%	Not Started	Y	
Programmable Logic Controllers Replacement	Burnaby	2,000,000	-	2,000,000	2,000,000	-	0%	Not Started	Y	
Pug Mill Enclosure Ventilation System Replacement	Burnaby	1,000,000	-	1,000,000	1,000,000	-	0%	Not Started	Y	
Refuse Crane	Burnaby	14,000,000	73,539	13,926,461	14,000,000	-	1%	Ongoing	N	Consultant is preparing procurement documents for detailed design and refuse crane purchase.
Secondary Economizers Replacement	Burnaby	6,000,000	-	6,000,000	6,000,000	-	0%	Not Started	Y	
Stack Refurbishment	Burnaby	350,000	-	350,000	350,000	-	0%	Not Started	Y	
		171,000,000	8,844,030	162,155,970	170,855,000	145,000				
Grand Total Solid Waste Services		515,400,000	142,103,045	373,296,955	515,155,000	245,000				

NOTE:

* Coquitlam Landfill projects being completed as a part of the United Boulevard Recycling and Waste Centre construction project

Capital Project Status Information – Solid Waste Services

December 31, 2021

The two recycling and waste centre construction projects, United Boulevard Recycling and Waste Centre and Central Surrey Recycling and Waste Centre are nearing completion. Major capital projects are expected to be completed within budget. Waste-to-Energy Facility projects and purchase of land for a new North Surrey Recycling and Waste Centre recycling depot are proceeding slower than expected and have resulted in reduced expenditures in 2021 compared to projected cash flows.

Recycling and Waste Centre Program

- The United Boulevard Recycling and Waste Centre construction started in May 2018 with site grading works. The full construction contract was awarded in December 2018. Construction is complete and the facility opened on March 14, 2022.
- The Central Surrey Recycling and Waste Centre project received rezoning and a development permit in late 2018. The construction contract was awarded in the summer of 2020. Construction was initiated in July of 2020. Construction is well underway and expected to be complete in June 2022.

Landfills Program

- Construction of Phase 2 landfill gas collection system upgrades is being completed as a part of the construction of the United Boulevard Recycling and Waste Centre. The new landfill gas infrastructure has been commissioned prior to United Boulevard Recycling and Waste Centre opening. A system upgrade is required which includes a new control room and compressor at the blower flare station. Preliminary design has been started and design work should be completed in 2022.

Waste-to-Energy Program

- The refuse crane replacement project commenced with preliminary engineering in 2019. The next phases of the project include detailed design and procurement of the major capital items.
- The second pass superheater replacement project is complete.
- Covanta commenced replacement of the back-up feedwater pumps as they have reached the end of their useful life.
- The feed hopper / chute replacement project started in late 2019. Feed hopper replacement is now complete with feed chute replacement to be completed in 2022.
- Ministry of Environment and Climate Change Strategy has approved proceeding with managing up to 25,000 tonnes per year of biosolids at the Waste-to-Energy Facility. Procurement for a detailed design engineering study commenced on February 10, 2022.
- The primary economizer project commenced with engineering and procurement services on November 6, 2020. Installation of the works is expected to occur in 2022.

- The compressed air system replacement project is underway, an engineering study commenced on October 18, 2021.
- The fabric filter / pulse header refurbishment project is underway, an engineering study commenced on December 2, 2021.

To: Zero Waste Committee

From: Michelle Jones, Environmental Control Officer, Environmental Regulation and Enforcement, Parks and Environment

Date: March 15, 2022 Meeting Date: April 8, 2022

Subject: **Appointment of Solid Waste Manager, Deputy Solid Waste Manager, and 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 Ray Robb as the solid waste manager, and of Kathy Preston as the deputy solid waste manager;
 - ii. appoint Metro Vancouver employee Kathy Preston as the solid waste manager, and Metro Vancouver employee Michelle Jones as the deputy solid waste manager;
 - iii. rescind the appointments of Toby Gritten, Dan Saunders, and Rob Kemp as officers; and
 - iv. appoint Metro Vancouver employee Muhammad Ali as an officer.
- b) pursuant to Section 28 of the *Offence Act* for the purpose of serving summons for alleged violations under the *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996*:
 - i. rescind the appointments of Toby Gritten, Dan Saunders, and Rob Kemp; and
 - ii. appoint Metro Vancouver employee Muhammad Ali.

EXECUTIVE SUMMARY

Recent changes in staff have resulted in a need to update staff appointments as GVS&DD Board-designated solid waste manager and 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 staff and rescind appointments accordingly.

PURPOSE

To appoint Metro Vancouver employees as the Board-designated solid waste manager, the Board-designated deputy solid waste manager, and as a Board-designated officer, and to rescind appointments of four former employees.

BACKGROUND

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.

Employment status 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. The *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996* grants authority to the Board-designated solid waste manager, deputy solid waste manager and officers.

ROLE OF THE SOLID WASTE MANAGER

The solid waste manager is the primary statutory decision maker in the administration of *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996*. The solid waste manager's powers include the ability to issue licences and orders under this bylaw. The deputy solid waste manager may exercise all the powers given to the solid waste manager under this bylaw.

ROLE OF ENFORCEMENT OFFICERS

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 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 Ray Robb as the solid waste manager, and of Kathy Preston as the deputy solid waste manager;
 - ii. appoint Metro Vancouver employee Kathy Preston as the solid waste manager, and Metro Vancouver employee Michelle Jones as the deputy solid waste manager;
 - iii. rescind the appointments of Toby Gritten, Dan Saunders, and Rob Kemp as officers; and
 - iv. appoint Metro Vancouver employee Muhammad Ali as an officer.
- b) pursuant to Section 28 of the *Offence Act* for the purpose of serving summons for alleged violations under the *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996*:
 - i. rescind the appointments of Toby Gritten, Dan Saunders, and Rob Kemp; and
 - ii. appoint Metro Vancouver employee Muhammad Ali.

2. That the GVS&DD Board receive for information the report dated March 15, 2022, titled "Appointment of Solid Waste Manager, Deputy Solid Waste Manager, and Enforcement Officers" and provide alternative direction to staff.

FINANCIAL IMPLICATIONS

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

CONCLUSION

Recent changes in staff have resulted in a need to update staff appointments as GVS&DD Board-designated solid waste manager and 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.

50447354

To: Zero Waste Committee

From: Heather Schoemaker, General Manager, External Relations
Ann Rowan, Division Manager, Collaboration and Engagement

Date: April 1, 2022 Meeting Date: April 8, 2022

Subject: **2022 Update on National Zero Waste Council Activities**

RECOMMENDATION

That the MVRD Board receive for information the report dated April 1, 2022 titled “2022 Update on National Zero Waste Council Activities.”

EXECUTIVE SUMMARY

In 2022, the National Zero Waste Council will celebrate its 10-year anniversary. With a membership of more than 180 local governments, businesses and NGOs from across Canada, the Council plays a leadership role in advancing waste prevention and the transition to a circular economy.

Key accomplishments over the past 10 years are many. They include the annual Zero Waste Conference now recognized globally as one of the premier events on waste prevention and the circular economy, strategic collaborations with partners across Canada and sectors that have led to the launch of the *Love Food Hate Waste Canada* campaign, the Circular Cities and Regions Initiative and the creation of the Canada Plastic Pact. The Council’s leadership on food has led to leadership work with Agriculture and Agri-Food Canada on policy and innovation reducing food waste throughout the value chain. Related to knowledge creation, the Council released the foundational report *Waste Prevention: The Environmental and Economic Benefits for Canada* and produced an on-line toolkit supporting expanded use of recycled, or reused asphalt. In addition, by being strategic and effective in identifying priority areas of work, the Council has been able to leverage funds from external sources, expanding the capacity and scope of the Council to deliver on its objectives and demonstrating the strength of the Council and Metro Vancouver to convene and connect leaders in cross sector collaborations and initiatives.

A planning process will provide an assessment of strategic opportunities and priorities that will guide the development of a 2022-2025 Strategic Plan for the Council.

PURPOSE

To provide an update on the initiatives and projects of the National Zero Waste Council since it’s last update in September 2021.

BACKGROUND

Created in 2013 to enable cross-sector collaboration in advancing waste prevention and accelerating the transition to a circular economy across Canada, the Council is a leadership initiative of Metro Vancouver. The Council convenes and connects with leaders in waste prevention from the public and private sectors across Canada to advance initiatives and projects that catalyze effective action in

waste prevention and circularity. The Council, through relationships with thought-leaders from global organizations and jurisdictions engaged in accelerating the transition to a circular economy, seeks to inform and align its work with “cutting edge” and effective initiatives while at the same time supporting Metro Vancouver zero waste priorities.

The Council forms part of Metro Vancouver’s zero waste collaboration program and is supported by a Secretariat housed in the External Relations Department working closely with Solid Waste Services.

A management board of elected members provides guidance and advice on the work of the Council. Metro Vancouver has two seats on the Council’s management board, the Chair and Vice Chair of Metro Vancouver’s Zero Waste Committee are appointed annually to the board by the Chair of the Metro Vancouver Board and Metro Vancouver is the permanent Chair of the Council Management Board.

NATIONAL ZERO WASTE COUNCIL – 2022 UPDATE

In 2022, the National Zero Waste Council will celebrate its 10-year anniversary. With a membership of more than 180 local governments, businesses and NGOs from across Canada, the Council is progressing well on its priorities to prevent waste and to accelerate a transition to a circular economy. The Council has two active working groups – Product Design and Packaging and Construction, Renovation and Demolition, composed of members of the Council, who undertake pilot projects and preliminary research. This complements the work of other strategic initiatives and partnerships led by Council Secretariat staff as part of an approved annual work plan.

Current priorities and areas of work include food loss and waste, construction, renovation and demolition waste, plastics, and circular cities and regions. Since September 2021, the Council has also initiated a strategic planning process engaging members and the Council’s management board on setting a strategic long term trajectory for the Council for 2022 – 2025.

Food Loss and Waste

In 2018, the National Zero Waste Council produced *A Food Loss and Waste Strategy for Canada*, the first of its kind in Canada that offered a national framework and key strategies for action on food loss and waste. Priority actions in this document continue to guide Council work plans, where collaboration that supports food system design and behavior change in policy and practice continues to be sought and delivered on.

Love Food Hate Waste Canada campaign: Love Food Hate Waste (LFHW) Canada is the Council’s citizen behavior change campaign to prevent food waste in the home. It is delivered in both official languages in collaboration with seven campaign partners: RECYC-QUEBEC, the cities of Toronto, Vancouver and Winnipeg, the Capital Regional District as well as Metro Vancouver and Walmart Canada.

- **Marketing and Content Development:** The campaign focus for 2021 and into 2022 was activating the concept of “Five Ways With”. Through this campaign, simple, creative ways to use up some of the most commonly wasted foods were shared – from bread crusts and cooked pasta to wilted herbs and broccoli stalks. The campaign gained coverage in 13 high-

profile media outlets with a combined reach of almost 6 million readers, with creative materials shared widely.

- **Research:** In 2021 the Council was asked to join WRAP UK in collaborative effort to research, design and test behaviour change interventions in the UK and Canada. This initiative received support through a grant from the Walmart Foundation. Through a series of workshops and engagement sessions the project team identified fresh fruit and vegetable storage as the appropriate scope for the project. A cross-Canada survey was in market during the summer to better understand gaps in how to prevent food waste through appropriate storage. Resulting from this research, is a report that identifies strategic opportunities for campaign communications and interventions and this will inform work in 2022.
- **Food Waste Action Week:** During the week of March 7 to 13, the Council and its LFHW partners worked in alignment with international colleagues to promote Food Waste Action Week (FWAW), a first-ever global event to help citizens understand the connection between food waste and climate change. This global week of action follows from a UK focused event that WRAP spearheaded in 2021. During the week key messaging was shared on the impact of food waste on climate change as well as providing a tip a day through social media. In 2022 the key message is: Wasting Food Feeds Climate Change.

Advancing A Food Loss and Waste Strategy for Canada at the national level: The Council continued its commitment to serve on the jury for Canada’s Food Waste Reduction Challenge; contributing to the identification of the best business innovations for reducing food loss and waste. The Challenge takes place over three years; 2022 is phase 2 when those innovators successful in the 2021 round provide progress reports and the jury determines who should receive an additional, and larger, awards that will enable successful firms to continue building their innovation towards market.

This work is supplemented by policy advocacy through Council participation on the Canadian Food Policy Advisory Council. In 2022, work, including research, will continue to advance the recommendations to the Minister of Agriculture and Agrifood Canada (AAFC). These recommendations include providing tangible, financial support to FLW measuring and monitoring that is tied to reduction outcomes; exploration of a carbon market for FLW; and re-opening the *Food Label Modernization Program* to make changes to “best before date” labels.

Circular Food Solutions: In 2021, the Council collaborated with Guelph-Wellington to produce a *Circular Food Solutions in Canada: A Coast to Coast Landscape Scan*. In 2022, the Council will again collaborate with Guelph-Wellington, Circular Economy Leadership Canada (CELC) and Save-on Foods to produce a virtual Circular Food Solutions workshop on April 28, 2022 to ground-truth the findings from the landscape scan and identify the common challenges and opportunities. This work will inform development of what is needed to advance circular food solutions in Canada in the form of a playbook.

Construction, Renovation and Demolition

The work of the Construction, Renovation and Demolition Working Group has been focused on increasing the awareness of how the use of recycled, or reused, asphalt in road construction demonstrates the multiple benefits of waste prevention and the circular economy. Recycled asphalt

pavement prevents the extraction of virgin materials and avoids large volumes of useable materials being sent to landfill.

In November 2021, the *Recycled Asphalt Pavement Toolkit* was launched and posted on the Council website. The toolkit's resources include videos, a technical assessment framework, scoping study, and best practices checklist. In 2022 the toolkit will be leveraged through a workshop and other events to present the business case to decision-makers in local governments and other entities involved in road construction to expand their use of recycled asphalt. The workshop is scheduled for April 20, 2022.

Plastics

In September 2021, the Canadian Plastic Pact (CPP) launched its *Roadmap to 2025* – a shared action plan to build a circular economy for plastic packaging. The Council played a pivotal role in forming the CPP and will be leading an initiative to eliminate the problematic and unnecessary plastics from the Canadian economy. This is an important piece of work to advance prevention of packaging at the national level and will involve bringing together corporate leaders and other key stakeholders across the plastics supply chain to explore the opportunities in source reduction of plastic packaging within Canada.

The Council's work will involve identifying the steps to realizing the first target in the *Roadmap 2025*; specifically, to define a list of plastic packaging that is to be designated as problematic or unnecessary and identify the measures to eliminate them. The scope of work will also be developed within the context of emerging federal and municipal single-use plastics bans as well as consideration of similar elimination efforts by the US Plastics Pact.

Circular Cities and Regions Initiative

The Circular Cities and Regions Initiative (CCRI) was launched in March 2021 as a national collaboration between the National Zero Waste Council, RECYC-QUEBEC, the Recycling Council of Alberta and the Federation of Canadian Municipalities. By working with cities and regions of different sizes, different local contexts and at different stages of readiness, the CCRI is testing and prototyping the training, tools, and guidance that will be most helpful in scaling innovative place-based approaches to prevent waste and advance circularity. This work is also developing our understanding of key interventions at the intersect of solid waste planning, climate change, and economic recovery that are scalable and replicable, while also building peer-to-peer connections between a Canadian and global audience of local government stakeholders and other key decision-makers. The CCRI has been positively received across Canada and internationally and the four project partners have renewed their commitments for a second year.

The first cohort of 15 communities, including from BC the cities of Richmond, Vancouver and Nanaimo, selected to participate in a peer-to-peer network have completed the process. In 2022, an onboarding of a new set of communities in May will begin and discussions continue as to how to continue provide networking and other opportunities for the first cohort, and other emerging leaders, to bridge the gap between plan and implementation.

STRATEGIC PLANNING

In 2022, the National Zero Waste Council will celebrate its 10-year anniversary. The journey began, and continues, under the leadership of Metro Vancouver in collaboration with FCM, who shared an awareness there was an opportunity to bring together leaders in business, government and NGOs to advance waste prevention. The driver to create a leadership collaboration came with the growing volume of waste destined to landfills as well as the costs of managing this waste and the response to this situation was a myriad of regulations and policies from jurisdictions across Canada that often worked at cross-purposes for many producers and retailers. Metro Vancouver understood that the solution required cross-sector collaboration to develop solutions that would be viable in the Canadian market fully situated in the global market.

In September 2021, a strategic planning process for the Council was initiated. This involved discussions to identify the emerging high priority issues and opportunities within the waste prevention and circular economy space in Canada as well as a situational analysis and strengths assessment of the Council. This work will culminate in a report going to the Council Management Board in April that will provide an assessment of strategic opportunities and priorities that will guide the development of a 2022-2025 Strategic Plan for the Council.

The process has confirmed that a key strength of the Council is in its ability to curate and convene conversations, through forums and peer-to-peer-exchanges, that both further knowledge-sharing as well as generate new collaborations. In addition, we have demonstrated a strength in supporting ground-breaking research and developing resources that highlight guidelines and best practices in waste prevention and circular design. The connections made with global thought leaders, change makers and innovators through the work of the Council have contributed to the high quality and cutting edge nature of the programming and leadership associated with Metro Vancouver's Zero Waste Conference. These are strengths the Council will continue to build on but the strategic planning process has provided the opportunity to assess if the focus of work should be adjusted or refined.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

Core funding for the National Zero Waste Council is provided by Metro Vancouver. The 2022 budget is \$437,071, including salaries for two full-time equivalent staff, who also work on the annual zero waste conference, and project development funding of \$120,700. In addition, leveraged funding from external project partners is projected to be \$150,000 to advance the Council's work in the circular economy and food loss and waste.

Love Food Hate Waste Canada (LFHW), a self-sustaining program of the Council is funded by service fees from its campaign partners that directly support the development of communications and marketing campaigns, creative materials for the web, social media, and activation initiatives and to leverage the reach of campaign ambassadors and market influencers. The LFHW budget in 2022 is projected to be \$340,000. The grant received from the Walmart Foundation for the collaboration project with WRAP UK will enhance communications efforts to promote practices that reduce food waste.

CONCLUSION

In 2022, the National Zero Waste Council has a number of projects and initiatives that will advance waste prevention and circularity within Metro Vancouver and across Canada. The Council continues to do foundational work in preventing and reducing food waste across the value chain and by households. This work has been supplemented by research into the opportunities and challenges of developing circular food systems across Canada. In addition, an online toolkit on the Council website presents the results of a recycled asphalt pilot by the City of Richmond and other materials that could be helpful for governments and roadbuilders interested in exploring the opportunities. The Council continues to work collaboratively with the signatories and other partners involved in the Canada Plastic Pact and will lead a group tasked with developing a scope of work for identifying and eliminating problematic and unnecessary plastics packaging in Canada. Differing from a waste stream focus, the Council is involved in a two-year collaboration to support the efforts of cities and regions across Canada to create their own localized paths to circularity.

In September 2021, a strategic planning process for the Council was initiated. The process will culminate in a report going to the Council Management Board in April that will provide a strategic assessment of strategic opportunities and priorities that will guide the development of a 2022-2025 Strategic Plan for the Council.

References:

1. National Zero Waste Council website www.nzwc.ca
2. [*A Food Loss and Waste Strategy for Canada*](#)
3. Love Food Hate Waste Canada website www.lovefoodhatewaste.ca
4. [*Circular Food Solutions in Canada: A Coast to Coast Landscape Scan*](#)
5. [*Recycled Asphalt Pavement Toolkit*](#)
6. [*Roadmap to 2025*](#)
7. Circular Cities and Regions Initiative website www.canadiancircularcities.ca

49473486

To: Zero Waste Committee

From: Larina Lopez, Division Manager, Corporate Communications
Shellee Ritzman, Policy Coordinator, Corporate Communications

Date: February 16, 2022 Meeting Date: April 8, 2022

Subject: **2021 Holiday Waste "Create Memories, Not Garbage" Campaign Results**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated February 16, 2022, titled "2021 Holiday Waste 'Create Memories, Not Garbage' Campaign Results."

EXECUTIVE SUMMARY

The Christmas season typically has a higher volume of waste than the rest of the year. The "Create Memories, Not Garbage" campaign once again considered how COVID-19 was influencing buying behaviour, and offered inspirational low-waste experiential and gift ideas, wrap alternatives, and tips for disposing online shipping packaging. A region-wide, three-phased media promotion delivered relevant messages for each buying and disposing stage of the holiday season.

The campaign achieved over 18 million impressions between digital and traditional media tactics. Online engagement was strong, with a 42% increase in website visits and above-average click-thru and video view rates. The 2021 recall and awareness survey revealed that at least 1/3 of residents were influenced by the campaign and 1/3 shared its message. The 2022 campaign strategy will mirror 2021's, but with the highest-performing tactics applied to each campaign phase.

PURPOSE

To update the Zero Waste Committee on the results of the 2021 regional holiday waste-reduction campaign, "Create Memories, Not Garbage."

BACKGROUND

The "Create Memories, Not Garbage" (CMNG) campaign supports the waste reduction objectives in the *Integrated Solid Waste and Resource Management Plan*. 2021 was the 11th year of the CMNG campaign and the 14th year that Metro Vancouver ran a holiday waste reduction campaign.

This report provides an update on the results of the 2021 CMNG campaign as identified in the 2022 Zero Waste Committee Work Plan.

2021 REGIONAL "CREATE MEMORIES, NOT GARBAGE" CAMPAIGN RESULTS

Campaign Approach

The campaign was in market from October 4, 2021 to January 9, 2022 and aimed to:

- Raise awareness of the amount of needless waste produced over the holiday season,
- Have audiences choose to celebrate the holidays in ways that produce less waste, and

- Reduce the amount of waste produced in Metro Vancouver during the holiday season over the long term.

The campaign's primary (18–34) and secondary (35–54) audiences were aware of environmental issues and looking to be mindful consumers. Both groups skewed towards women; in particular, those doing the shopping, wrapping, and decorating for the holidays.

Creative Direction and Messaging

The campaign's platform was refreshed to elevate both design and copy to better compete in an ever-increasing competitive market. While keeping the festive red and white palette, the messaging used the magic of puns to playfully draw the audience in while highlighting low-waste ideas.

With COVID-19 restrictions somewhat lifted in 2021, experiences were promoted again, along with tangible low-waste gift and wrap ideas. With online shopping rates still higher than pre-pandemic levels, messaging to help shoppers reduce/recycle shipping materials was kept for a second year.

Other noteworthy additions to the 2021 campaign included a shortened 30-second version of the 2019 CMNG Christmas Carol music video, over 30 new experiential and tangible gift ideas on the Merry Memory Maker app, animated social stories, and an on-air holiday contest via JRFM.

Campaign Website

This year's campaign home page was streamlined to feature the two categories that are consistently considered the most likely actions residents will take to reduce their holiday waste: low-waste gifts and low-waste wrap. Shipping material recycling was also kept on the home page.

Over 30 new gift ideas were added to the Merry Memory Maker app, bringing the grand total to over 200 inspirational ideas.

The campaign was in market at the time of the November floods in the Fraser Valley and Metro Vancouver felt it prudent to provide a link to donate to flood victims on the home page.

Media Strategy

With more people shopping online and earlier than in past years due to supply chain challenges, the media plan was adjusted to have a heavier 'early shopper' phase from October 4 to 31. The main campaign ran from November 1 to December 24 as it did in 2020. The post-Christmas promotion (December 25 to January 9) continued to reach audiences when tidying up/recycling holiday waste.

The strategy focused on placements and environments where the target audience spent time, particularly when in 'gift-buying' mode. With so many retailers strengthening their online presence in 2020, our digital tactics were streamlined to only include top performing channels — social media, display banners, video, sponsored content, and search.

Traditional placements focused on TV for building awareness and reach using a strong visual, audio to build frequency, and out-of-home displays in liquor stores and malls where shoppers are likely to frequent in the lead up to the holidays.

Engagement of Metro Vancouver Members

Prior to launch, campaign materials were shared with members' communication staff and the REAC Solid Waste Subcommittee. Social images and videos are available for download on the Metro Vancouver website and members could request custom, co-branded materials. Campaign materials were used by 14 members. The Regional District of Central Okanagan and the Regional District of North Okanagan co-branded materials again this year.

Evaluation

Various methodologies were used to assess the overall performance of the campaign.

- **Website Exit Survey**

For the last three years, CMNG's website hosted a single-question 'exit survey' that asked residents how they would reduce their waste this year. The survey can be seen by desktop users, of which 22% voluntarily completed the survey. Buying experiences as gifts achieved the most votes, surpassing 'low-waste wrapping' as the top selection for the last two years.

- **Media Performance**

The online portion of the campaign served 21% more impressions than 2020 (13.2 million vs 10.9 million). Below are the most notable results for digital and traditional tactics.

- Facebook and Instagram served over 1.9 million impressions, reaching over 469,000 residents. Click-thru rate for images was highest during the early shopper phase.
- YouTube videos were seen over 205,000 times with an overall view-thru rate of 50.8% (10% higher than YouTube benchmarks of 35–40%).
- Pinterest achieved 6,436 complete video views.
- Banner ads achieved a strong click-thru rate (0.14% vs 0.08 benchmark), mostly in the early shopper and post-Christmas phases, likely due to less competition.
- Google Search click-thru rates were high at 7.59% compared to 4.94% in 2020.
- Daily Hive's sponsored content was read 5,122 times with a strong click-thru rate of 2.54%.
- Audio streaming garnered a listen rate of 92.9% with a strong click-thru of 1.82%.
- Television (both PSAs and in-news graphics) garnered 1,824,500 impressions through Global TV with over \$21,000 in bonusing. Additionally, over 201,400 impressions were achieved on US cable stations targeting Shaw subscribers.
- Radio impressions for the 18–34 audience are estimated at 1,935,700 which included \$20,302 in bonusing, plus \$14,700 in additional value from JRFM's on-air contest.
- Out-of-home placements were focused on high-shopping areas (liquor stores and shopping mall screens) with creative displayed 553,397 times (887,304 impressions).

- **Website Analytics**

- New users increased by 42.74% (12,784 in 2021 vs 8,956 in 2020).
- After-Christmas content was the most visited section of the website (50% of unique page views), followed by the Merry Memory Maker app (14% of unique page views).
- Visits to the shipping packaging page increased by 4%.
- Direct (34.5%) and banner ad (33.9%) traffic were the top drivers to the website.

- **Post-Campaign Advertising Recall Evaluation (bi-annual)**
 - 22% of residents say they saw or heard the campaign.
 - 66% of respondents felt the ads were at least somewhat effective.
 - 36% were influenced to reduce their waste in 2021 (67% cited reducing wrap).
 - Residents estimated 37% of shopping was done online — a 28% increase from 2019.
 - 36% believe their online shopping volume will be consistent in 2022, while 12% feel they will shop more.
 - 37% of residents who saw the campaign were likely to share its message.

- **Earned Media**

Due to the Fraser Valley flooding, the timing of the media release was delayed and distributed on December 2. The release highlighted giving the gift of time and patronizing local businesses, along with a suggestion to donate to local causes for the holidays. The release prompted the majority of the coverage, achieving 37 positive hits (28 radio/TV, 9 print/online). Total reach was 9,454,367 with an ad value equivalent of \$69,723.26.

Plans for 2022 Regional Campaign

The 2022 regional holiday waste reduction campaign will continue to use the new, animated CMNG creative and will focus on top performing tactics for all three campaign phases. Timing of the campaign will be re-evaluated with the intent to strengthen the presence of the campaign in a highly competitive digital space. The website and app will continue to be refined as required and messaging will also be adjusted as needed given changes due to COVID-19. Collaboration with Metro Vancouver members will continue to be expanded and event outreach will be considered if holiday markets resume.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The 2021 CMNG campaign had a \$170,000 budget supported under the Zero Waste Communications Program of the 2021 General Government budget. The budget for the 2022 campaign is \$170,000.

CONCLUSION

The 2021 Create Memories, Not Garbage (CMNG) campaign continued to offer residents helpful low-waste giving and wrapping ideas, while at the same time providing messaging on how to properly dispose of shipping materials from online shopping. The media buy focused on strengthening the campaign's digital presence in an ever-increasing competitive environment with the intention of encouraging audience engagement. The 2022 campaign will maintain a three-phased campaign, but with the view to planning only the top-performing tactics for each phase.

Attachment:

Create Memories, Not Garbage – Sample Creative

Create Memories, Not Garbage – Sample Creative

Facebook and Instagram

Stories (animated)



Fabric wrap (top performing)

Sewing machine

Images



Fishing (top performing)

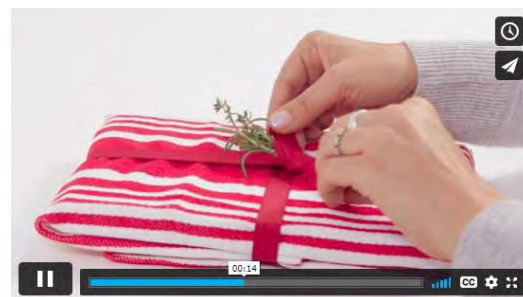
Binoculars

Movie tickets

Videos



Packaging (top performing - Facebook)
<https://vimeo.com/294438763>

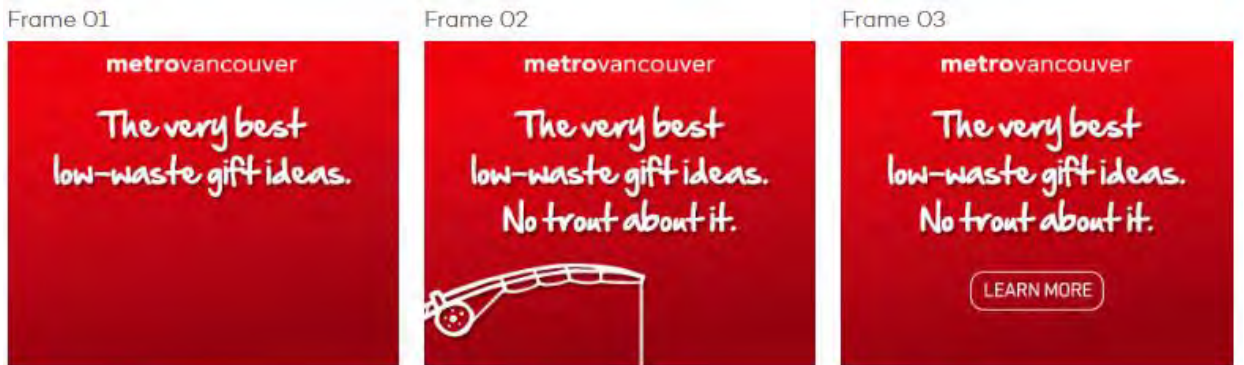


Low-waste wrap (top performing – Pinterest)
<https://vimeo.com/294438746>

Banner Ads (animated)

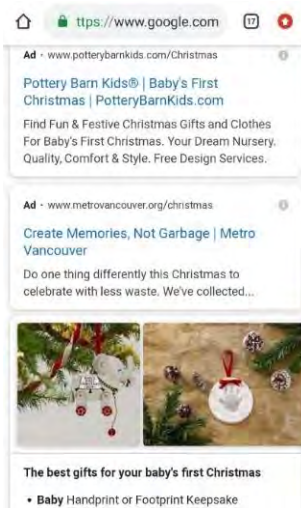


Bowling (top performing)



Fishing (second best performing ad)

Google Search



Videos

CMNG Christmas Song (music video)	https://youtu.be/Oak_wbIHQ8
CMNG Christmas Song (music video – short)	https://vimeo.com/637590040
Wise Wrapping	https://vimeo.com/294438746
Holiday Packaging	https://vimeo.com/294438763
O Christmas Tree	https://vimeo.com/297403147
Reuse or Recycle Wrapping Paper	https://vimeo.com/298485651
Merry Memory Maker	https://youtu.be/hyCoUo-VUU

Daily Hive Sponsored Content

Radio – JRFM On-Air Bonus Contest



93.7 JR COUNTRY

Create memories, not garbage
with **metrovancover**

Win a \$100 Visa gift card to buy a low-waste gift this Christmas!

This year JR & Metro Vancouver are encouraging you to create memories, not garbage when shopping for holiday gifts!

Create memories, not garbage this holiday season by doing one thing differently to create less waste. The holidays often come with extra waste that we don't experience at other times of the year – gifts, gift packaging, online packaging, disposable wrapping, decorations, special food, etc. Instead of defaulting to your standard list of gift ideas, create less waste by giving *experiences* or *gifts that are made to last*.

Find Metro Vancouver's Merry Memory Maker through creatememoriesnotgarbage.ca and select a low-waste 'experience' or 'thing' that is \$100 or less.

Enter that gift idea on this page below for your chance to win a \$100 Visa gift card to purchase that gift for yourself or a loved one!



Create memories, not garbage.

This season, celebrate with less waste.

Browse over 200 gift and wrapping ideas to make having a low-waste Christmas simple and stress free.

Gift Ideas **Wrap Wise** **Recycle shipping materials**



93.7 JR COUNTRY November 23, 2021

Create memories, not garbage with Metro Vancouver 🌱 This year Metro Vancouver is encouraging us to create less waste by giving experiences or gifts that are made to last. Need some help? Browse over 200 low-waste gift ideas using their Merry Memory Maker app.

93.7 JR COUNTRY

Create memories, not garbage
with **metrovancover**

Win a \$100 Visa gift card to buy a low-waste gift this Christmas!

JRCOUNTRY CA

Create Memories Not Garbage with Metro Vancouver

This year JR & Metro Vancouver are encouraging you to create...

3,221 People reached **24** Engagements **Boost post**

Michelle Clarke, Charissa Lyanne Kelly and Marge Yarwood 1 Share

Liquor Store – Digital Displays



Shopping Mall – Digital Displays



Member Jurisdictions



District of West Vancouver @WestVanDistrict · Nov 22, 2021
There is no shortage of green gifts ideas this holiday season. Give something homemade, pass on your favourite novel, or plan an outdoor adventure. @MetroVancouver has more than 200 sustainable gift and wrapping ideas at creatememoriesnotgarbage.ca. #WestVan #CreateMemoriesNotGarbage



Bowen Island Municipality December 10, 2021
Skip disposable wrapping and bows this year, and choose something reusable. Simple, paper-free wrap ideas at creatememoriesnotgarbage.ca



Metro Vancouver December 7, 2021
Skip disposable wrapping and bows this year, and choose something reusable. Simple, paper-free wrap ideas at creatememoriesnotgarbage.ca #creatememoriesnotgarbage #metrovancover

Like Share

City of North Vancouver Retweeted



Metro Vancouver @MetroVancouver · Dec 8, 2021
Skip disposable wrapping and bows this year, and choose something reusable. Simple, paper-free wrap ideas at creatememoriesnotgarbage.ca #creatememoriesnotgarbage #metrovancover



City of Port Moody December 10, 2021



Metro Vancouver December 2, 2021
Spread cheer this year, not waste. Get inspired with 200+ low-waste gift ideas at creatememoriesnotgarbage.ca #creatememoriesnotgarbage #metrovancover

2 Like Share



City of Delta @CityofDeltaBC · Dec 18, 2021
Stuck for gift ideas? Head to the Merry Memory Maker for 200 low-waste gift ideas that are sure to impress: metrovancover.org/christmas/memo...

#CreateMemoriesNotGarbage



To: Zero Waste Committee

From: Sandy Young, Senior Engagement Specialist, Solid Waste Services

Date: March 30, 2022 Meeting Date: April 8, 2022

Subject: **Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process**

RECOMMENDATION

That the GVS&DD Board receive for information the report dated March 30, 2022, titled “Solid Waste Management Plan Update – Public/Technical Advisory Committee Applicant Evaluation Process”.

EXECUTIVE SUMMARY

An updated solid waste management plan will guide our region’s policies and collective actions over the next decade and beyond. The Solid Waste Management Plan Public/Technical Advisory Committee (Public/Technical Advisory Committee) will be critical to the success of the development of the updated solid waste management plan. Metro Vancouver received 95 applications to participate in the Public/Technical Advisory Committee over a seven-week application period. Demographic information on age, gender identity, and language spoken most often at home, was collected to understand who participated in the application process. The review of applications was completed based on personal characteristics and sectors/interests approved by the GVS&DD Board (Board) in November 2021. The Independent Consultation and Engagement Panel (Panel) provided input on the evaluation process. Members of the Public/Technical Advisory Committee will be selected by the Zero Waste Committee and Board in closed meetings following a review of staff recommendations by the Panel.

PURPOSE

The purpose of this report is to provide an overview of applicant demographics and the evaluation process for the Public/Technical Advisory Committee applications.

BACKGROUND

In November 2021, the Board approved sectors/interests along with personal characteristics for evaluation of applicants to the Public/Technical Advisory Committee.

In February 2022, a report to the Zero Waste Committee outlined the approach and promotion for the call for applications for the Public/Technical Advisory Committee. This report provides demographic information of the applicants and describes the evaluation process for the Public/Technical Advisory Committee applicants.

PUBLIC/TECHNICAL ADVISORY COMMITTEE APPLICATIONS AND EVALUATION PROCESS

Applicant Demographics

The application form included demographics questions on age, gender identity, language spoken most often at home, and municipality, for the purpose of understanding who participated in the application process. Applicants were distributed across age ranges under 25 (7%), 25–34 (21%), 35–44 (25%), 45–54 (18%), 55–64 (20%), 65 or over (6%), and two did not answer the question. Youth (under 35) represented 28% of applicants. For gender identity, 54% identified as a man, 39% as a woman, and 7% did not answer the question. English is predominantly the language spoken most often at home by the majority of applicants (81%), followed by English and another language (8%). Three or fewer applicants speak either Spanish, Cantonese, or Farsi most often at home, and five applicants did not answer the question. The results for municipality are not included due to challenges in how the data was collected.

During the call for applications, staff reached out to 35 organizations in an effort to target recruitment of potential Public/Technical Advisory Committee members working on behalf of typically underrepresented or equity-denied communities, specifically youth, cultural, urban Indigenous, and the bidders' community. These communities were identified as underrepresented in the solid waste management plan pre-engagement, and specific organizations were identified with input from the Panel.

Evaluation Process

Metro Vancouver received 95 applications for the Public/Technical Advisory Committee through a call for applications from December 10, 2021 to January 31, 2022. Applicants were evaluated based on the desired personal qualities, perspectives and experience approved by the Board in November 2021:

- Demonstrates community/committee involvement and the ability to work collaboratively with others (e.g. openness to different/opposing views)
- Demonstrates personal commitment to zero waste, circular economy goals, sustainability, and climate action
- Demonstrates the ability to advance innovation
- Experienced with waste, waste reduction and recycling (i.e. lived experience, technical expertise, or both)
- Belongs to a community that is typically underrepresented (e.g. women, LGBTQ2S+, Indigenous persons, immigrants, visible minority, persons with disabilities, youth, etc.)
- Represents the interests/perspectives of a group of people/sector

A staff team developed a scoring rubric, reviewed the applications, and assigned scores to each open-ended response. Scores were recorded in an evaluation matrix. Applications were assessed solely on submitted application forms. Applications that were more complete enabled staff to provide more comprehensive evaluations.

Applicants were presented with the list of 19 sectors/interests approved by the Board in November 2021, and asked to specify all of the sectors/interests that they were representative of. Nearly all

applicants specified more than one sector/interest. The November 2021 Board report noted that not all sectors/interests would necessarily be represented on the Public/Technical Advisory Committee, and more than one individual could be selected to represent a sector/interest.

The sectors/interests specified by applicants were reviewed by staff as part of the evaluation process with staff determining whether the applicants matched the sectors/interests they selected. In some cases, applicants were added to sectors/interests based on information they provided in other sections of their applications, if they missed self-identifying those sectors/interests.

Some sectors/interests and/or subsectors were not selected and/or represented by applicants. Where sectors/interests are not included in the Public/Technical Advisory Committee, efforts will be made to engage those sectors/interests.

The number of Public/Technical Advisory Committee members was not specified to allow flexibility in determining the appropriate number of Public/Technical Advisory Committee members. The ultimate number of members will balance sector/interest representation, with creating a committee with a manageable number of participants to optimize engagement with members.

The Independent Consultation and Engagement Panel provided input on the evaluation process.

Committee Member Selection

As per the November 2021 Board report, Zero Waste Committee members will be the Chair and Vice Chair of the Public/Technical Advisory Committee. Staff recommendations for Public/Technical Advisory Committee members were reviewed by the Panel prior to consideration by the Zero Waste Committee and Board in closed meetings.

Next Steps

Following selection of the Public/Technical Advisory Committee members by the Zero Waste Committee and Board, the names of the individuals selected will be announced, and the first meeting will be scheduled. Meetings will be open to the public to observe. Meetings are expected to occur four to six times per year over the course of the expected two to three year solid waste management plan update process.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

Funding for general meeting and secretariat expenses can be carried out within the approved Solid Waste Services budget.

CONCLUSION

As part of the development of an updated solid waste management plan, Metro Vancouver is convening individuals with relevant personal qualities and experience to sit on the Public/Technical Advisory Committee. Applications were received from 95 individuals. Demographic information collected during the application process provided insight into the characteristics of the applicant pool.

Staff recommendations for Public/Technical Advisory Committee members were reviewed by the Panel prior to consideration by the Zero Waste Committee and Board in closed meetings.

51294358

To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: March 31, 2022 Meeting Date: April 8, 2022

Subject: **Manager's Report**

RECOMMENDATION

That the Zero Waste Committee receive for information the report dated March 31, 2022, titled "Manager's Report".

New United Boulevard Recycling and Waste Centre

The United Boulevard Recycling and Waste Centre opened on March 14. The new facility is operating smoothly, with positive feedback particularly related to enhanced recycling opportunities. A number of tours have taken place or are scheduled in coming weeks.

The now closed Coquitlam Recycling and Waste Centre is being prepared for demolition with recovery of reusable materials and equipment. Following expiry of Metro Vancouver lease and once demolition is complete, the site will be redeveloped as part of Fraser Mills.

Recycling Depot Funding Strategy

At its April 30, 2021 meeting, the GVS&DD Board approved proceeding with a recycling depot funding strategy that provides a financial contribution to municipalities operating municipal recycling depots to recognize their role as part of the regional solid waste system. Metro Vancouver's financial contribution for municipal depots is calculated on a population basis for Richmond, Burnaby, Maple Ridge, Bowen Island and volume of recyclables collected basis for Coquitlam, since their depot provides limited services and collects a small amount of recyclables. The financial contributions are calculated based on the goal of offsetting tipping fee increases resulting from the addition of recycling depots at Metro Vancouver recycling and waste centres given that these municipalities operate independent depots. The overall value of the contributions will be approximately \$760,000 in 2022 with the amount increasing as recycling depots are completed at the Langley and North Surrey recycling and waste centres. Agreements with each of the municipalities are now in place, and funding contributions begin in 2022.

The estimated component of the tipping fee for recycling depots at recycling and waste centres and municipal recycling depots is approximately \$4 per tonne by 2024, when recycling depots at all Metro Vancouver recycling and waste centres are expected to be in operation. Staff are working on accommodating this increase within the garbage tipping fees projections for 2022 – 2026 identified in the 2022 - 2026 Financial Plan. The 2022 costs were successfully included in the tipping fee without tipping fee increases in excess of previous year projections.

This update was also included in the Finance Committee March Manager's report for their information.

Deposit Containers/Used Oil at Recycling and Waste Centres

Two recently implemented EPR programs at the North Shore Recycling and Waste Centre have proven very popular. In September 2021 a BC Used Oil Management Association collection station was established for the receipt of used oil and antifreeze. Since opening there has been 20,260 litres of used oil and 2,015 litres of antifreeze received up to the end of February 2022. In February 2020 Encorp Pacific established a Return-It Express & Go collection station for the drop-off of refundable beverage containers. Since opening there have been 3.4 million containers received and this drop-off location has the highest return rate in their network.

Both these services are now also available at the recently opened United Boulevard Recycling and Waste Centre and will be included at the Central Surrey Recycling and Waste Centre.

Staff submission on the Recycled Content for Certain Plastic Manufactured Items Regulations

On February 12, 2022 the Government of Canada published a technical issues paper that outlines the details of proposed regulations that would set minimum recycled content requirements for certain plastic manufactured items. The regulations could apply to anyone (person or business) that manufactures, imports, or sells the proposed plastic manufactured items in Canada. Staff reviewed the technical issues paper and submitted a response on March 14, 2022. The response incorporated input from members of Metro Vancouver's Solid Waste and Recycling Industry Advisory Committee and Regional Engineers Advisory Committee's Solid Waste Subcommittee.

British Columbia Lamps and Lighting Equipment Extended Producer Responsibility Program Plan Renewal

The BC Lamps and Lighting Equipment program initiated their Plan renewal on January 21, 2022, with a consultation period until March 8. Metro Vancouver staff participated in a consultation webinar on February 17 and submitted written comments on a number of topics, including the items outlined below.

- Recommended the program consider disaster response plans to ensure business continuity.
- Advised the program to provide greater assurance on program performance by ensuring program material is not ending up in other streams, such as garbage. This results from challenges for the program in using capture or recovery rates as suitable performance measures.
- Requested the program to report the overall program tonnage collected in each regional district, as well as weights for individual product categories, for data transparency and clarity.

Reusable Bags and Cups

A question on use of reusable container acceptance was asked by a Zero Waste Committee member at the February Zero Waste Committee meeting.

The National Zero Waste Council report titled *Opportunities for Reusables in Retail Settings During the COVID-19 Pandemic in Canada*, provided a science-based analysis to confirm that people bringing and using their own cups and reusable bags in to shops and cafes does not have a significant risk of transmitting communicable diseases such as COVID-19. Findings of this report were corroborated by this BC Centre for Disease Control June 2021 website update:

“COVID-19 transmission from handling reusable containers such as grocery bags, coffee mugs, dollar bills, coins, bulk bins and other reusable items HAS NOT BEEN DOCUMENTED. Because the risk is LOW, premises may go back to normal activities as long as COVID safety measures known to reduce overall risk are maintained.”

A recent survey by Metro Vancouver staff found that 22 of 22 grocery stores surveyed allow customers to bring their own bags. Member jurisdictions with single-use item reduction bylaws reported that most regulated businesses allow customers to bring their own bags and cups; however, some quick-serve locations are automatically providing disposable cups and bags.

Launch of Metro Vancouver Recycling and Disposal Cost Estimator

On March 14, Metro Vancouver launched the online [Recycling and Disposal Cost Estimator](#) to help customers understand the cost of recycling and disposal at Metro Vancouver recycling and waste centres. The Recycling and Disposal Cost Estimator was used almost 1,800 times by March 30. The top three searched items were mattress/box spring, furniture, and garbage.

2022 Zero Waste Committee Work Plan

The attachment to this report sets out the Committee's work plan for 2022. The status of work program elements is indicated as pending, in progress or complete. The listing is updated as needed to include new issues that arise, items requested by the Committee and changes in the schedule.

Attachment

Zero Waste Committee 2022 Work Plan

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Zero Waste Committee 2022 Work Plan

Report Date: March 31, 2022

Priorities

1st Quarter	Status
2021 Integrated Solid Waste and Resource Management Plan Biennial Report	Complete
Central Surrey Recycling and Waste Centre Operations Contract Award	In progress
Invited Presentation from Ocean Ambassadors on East of Seymour Zero Waste Takeout	Complete
Flood Disaster Response Solid Waste Management System Summary	Complete
National Zero Waste Council 2021 Accomplishments and 2022 Projects	In progress
2021 Zero Waste Conference	Complete
2nd Quarter	
2021 Disposal Ban Inspection Program Results	Pending
2021 Food Scraps Campaign Results	Pending
2022 Single Use Item Campaign	Pending
2021 Waste-to-Energy Facility Financial Summary	Pending
2022 Think Thrice Textiles Campaign Results	Pending
2021 Waste Composition Data	Pending
Alternative Fuel and Recyclables Recovery Procurement Contract Award	Pending
Contingency Disposal Contract Award	Pending
Love Food Hate Waste	Pending
Solid Waste Services Capital Program Expenditures Update as at December 31, 2021	In progress
Waste-to-Energy Facility – Bottom Ash Beneficial Use Pilots	Pending
3rd Quarter	
2021 Waste-to-Energy Facility Environmental Performance Summary	Pending
2022 National Zero Waste Council Projects	Pending
2022 Textiles Campaign Results	Pending
2022 Zero Waste Conference Update	Pending
City of Vancouver and City of Burnaby District Energy Right-of-Way Agreements	Pending
Illegal Dumping Data and Programs	Pending
Innovation and Continuous Improvement	Pending
Repair and Reuse	Pending
Solid Waste Management Plan Engagement	Pending
Solid Waste Residuals Management Options Study	Pending
Solid Waste Services Capital Program Expenditures Update as at April 30, 2022	Pending

4 th Quarter	
2021 Solid Waste and Recycling Annual Report	Pending
2022 Abandoned Waste Campaign Results	Pending
2022 Create Memories Not Garbage Update	Pending
2022 Single-Use Item Campaign Results	Pending
2023-2027 Financial Plan – Solid Waste Services	Pending
2023 Tipping Fee Bylaw Revisions	Pending
Solid Waste Services Capital Program Expenditures Update as at August 31, 2022	Pending