

**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT (GVS&DD)  
BOARD OF DIRECTORS**

**REGULAR BOARD MEETING**

**Friday, February 28, 2020**

**9:00 A.M.**

**28<sup>th</sup> Floor Boardroom, 4730 Kingsway, Burnaby, British Columbia**

[Membership and Votes](#)

**A G E N D A<sup>1</sup>**

**A. ADOPTION OF THE AGENDA**

**1. February 28, 2020 Regular Meeting Agenda**

That the GVS&DD Board adopt the agenda for its regular meeting scheduled for February 28, 2020 as circulated.

**B. ADOPTION OF THE MINUTES**

**1. January 31, 2020 Regular Meeting Minutes**

That the GVS&DD Board adopt the minutes for its regular meeting held January 31, 2020 as circulated.

**C. DELEGATIONS**

**D. INVITED PRESENTATIONS**

**E. CONSENT AGENDA**

*Note: Directors may adopt in one motion all recommendations appearing on the Consent Agenda or, prior to the vote, request an item be removed from the Consent Agenda for debate or discussion, voting in opposition to a recommendation, or declaring a conflict of interest with an item.*

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<sup>1</sup> Note: Recommendation is shown under each item, where applicable. All Directors vote unless otherwise noted.

## **1. LIQUID WASTE COMMITTEE REPORTS**

### **1.1 Award of Contract Resulting from Request for Proposal No. 19-194: Construction Services - Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section**

That the GVS&DD Board:

- a) approve the award of a contract for an amount of up to \$16,599,950 (exclusive of taxes) to JJM Construction Ltd. resulting from Request for Proposal No. 19- 194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section; and
- b) authorize the Commissioner and the Corporate Officer to execute the contract.

## **2. ZERO WASTE COMMITTEE REPORTS**

### **2.1 Construction Contract Award Resulting from Request for Proposal (RFP) No. 19-313: Construction of a Completed Recycling and Solid Waste Drop-off Facility**

That the GVS&DD Board:

- a) approve the award of a contract in the amount of up to \$25,575,000 (exclusive of taxes) to Clark Builders resulting from Request for Proposal (RFP) No. 19-313: Construction of a Completed Recycling and Solid Waste Drop-off Facility; and
- b) authorize the Commissioner and Corporate Officer to execute the contract.

### **2.2 Consulting Contract Amendment: Phase D – Construction Administration and Post Construction Services for Surrey Recycling and Waste Drop-Off Facility**

That the GVS&DD Board:

- a) approve the award of Phase D - Construction Administration and Post Construction Services for an amount of up to \$2,576,631 (exclusive of taxes) to the Phase A, B and C consultant, Morrison Hershfield Limited, for the Surrey Recycling and Waste Drop-Off Facility project; and
- b) authorize the Commissioner and Corporate Officer to execute the required documentation.

## **3. CLIMATE ACTION COMMITTEE REPORTS**

### **3.1 2020 Liquid Waste Sustainability Innovation Fund Application**

That the GVS&DD Board approve the allocation from the Liquid Waste Sustainability Innovation Fund of \$330,000 over three years starting in 2020 for the Handheld Wastewater Microbial DNA Monitor project.

## **F. ITEMS REMOVED FROM THE CONSENT AGENDA**

## **G. REPORTS NOT INCLUDED IN CONSENT AGENDA**

## 1. FINANCE AND INTERGOVERNMENT COMMITTEE REPORTS

### 1.1 GVS&DD Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020

*[Recommendation a): simple weighted majority vote.] and  
[Recommendation b): 2/3 weighted majority vote.]*

That the GVS&DD Board:

- a) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*;
- b) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*.

## 2. ZERO WASTE COMMITTEE REPORTS

### 2.1 Disposal of Out of Region Waste and International Waste at the Waste-to-Energy Facility

*[Recommendation a) and b): simple weighted majority vote.] and  
[Recommendation c): 2/3 weighted majority vote.]*

That the GVS&DD Board:

- a) approve amending the *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* to:
  - i. delegate authority to the General Manager of Solid Waste Services to approve requests to receive up to 1,500 tonnes per year per generator of out of region waste and international waste; and
  - ii. apply the Special Handle Waste tipping fee of \$250 per tonne to Out of Region Waste.
- b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020*; and
- c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020*.

## H. MOTIONS FOR WHICH NOTICE HAS BEEN GIVEN

## I. OTHER BUSINESS

## J. BUSINESS ARISING FROM DELEGATIONS

## K. RESOLUTION TO CLOSE MEETING

*Note: The Board 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 GVS&DD Board close its regular meeting scheduled for February 28, 2020 pursuant to the *Community Charter* provisions, Section 90 (1) (g) as follows:

“90 (1) A part of a board meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:  
(g) litigation or potential litigation affecting the regional district.”

**L. RISE AND REPORT (Items Released from Closed Meeting)**

**M. ADJOURNMENT/CONCLUSION**

That the GVS&DD Board adjourn/conclude its regular meeting of February 28, 2020.

**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT  
BOARD OF DIRECTORS**

Minutes of the Regular Meeting of the Greater Vancouver Sewerage and Drainage District (GVS&DD) Board of Directors held at 9:17 a.m. on Friday, January 31, 2020 in the 28<sup>th</sup> Floor Boardroom, 4730 Kingsway, Burnaby, British Columbia.

**MEMBERS PRESENT:**

Burnaby, Chair, Director Sav Dhaliwal	Richmond, Director Malcolm Brodie
North Vancouver City, Vice Chair Director Linda Buchanan	Richmond, Director Harold Steves
Burnaby, Director Pietro Calendino	Surrey, Director Linda Annis
Burnaby, Director Mike Hurley	Surrey, Director Laurie Guerra
Coquitlam, Director Craig Hodge	Surrey, Alternate Director Brenda Locke for Doug Elford
Coquitlam, Director Richard Stewart	Surrey, Director Doug McCallum
Delta, Director George Harvie	Surrey, Director Mandeep Nagra
Delta, Alternate Director Dylan Kruger for Bruce McDonald	Surrey, Director Allison Patton
Electoral Area A, Jen McCutcheon	Vancouver, Director Christine Boyle
Langley City, Director Val van den Broek	Vancouver, Director Adriane Carr
Langley Township, Director Jack Froese	Vancouver, Director Melissa De Genova
Langley Township, Director Kim Richter	Vancouver, Director Lisa Dominato
Maple Ridge, Director Mike Morden	Vancouver, Alternate Director Pete Fry for Kennedy Stewart
New Westminster, Director Jonathan Coté	Vancouver, Director Colleen Hardwick
North Vancouver District, Director Lisa Muri	West Vancouver, Director Mary-Ann Booth
Pitt Meadows, Director Bill Dingwall	White Rock, Director Darryl Walker
Port Coquitlam, Director Brad West	Commissioner Jerry W. Dobrovolny (Non-voting member)
Port Moody, Director Rob Vagramov	

**MEMBERS ABSENT:**

Vancouver, Director Michael Wiebe

**STAFF PRESENT:**

Janis Knaupp, Legislative Services Coordinator, Board and Information Services  
Chris Plagnol, Corporate Officer

**A. ADOPTION OF THE AGENDA****1. January 31, 2020 Regular Meeting Agenda****It was MOVED and SECONDED**

That the GVS&DD Board adopt the agenda for its regular meeting scheduled for January 31, 2020 as circulated.

**CARRIED**

**B. ADOPTION OF THE MINUTES**

**1. November 29, 2019 Regular Meeting Minutes**

**It was MOVED and SECONDED**

That the GVS&DD Board adopt the minutes for its regular meeting held November 29, 2019 as circulated.

**CARRIED**

**C. DELEGATIONS**

No items presented.

**D. INVITED PRESENTATIONS**

No items presented.

**E. CONSENT AGENDA**

**It was MOVED and SECONDED**

That the GVS&DD Board adopt the recommendations contained in the following items presented in the January 31, 2020 GVS&DD Board Consent Agenda:

- 1.1 Investing in Canada Infrastructure Program
- 2.1 Board Appointments and Rescindments of Bylaw Enforcement Officers
- 2.2 Award of Phase C – Tendering Services, for Northwest Langley Wastewater Treatment Plant – Design and Construction Engineering Services
- 3.1 2019 Integrated Solid Waste & Resource Management Plan Biennial Report
- 3.2 Board Appointment and Rescindments of Bylaw Enforcement Officers

**CARRIED**

The items and recommendations referred to above are as follows:

**1.1 Investing in Canada Infrastructure Program**

Report dated December 19, 2020 from Dean Rear, Chief Financial Officer/General Manager, Financial Services, seeking GVS&DD Board direction to staff to apply for grant funding through the Investing in Canada Infrastructure Program – Green Infrastructure: Environmental Quality Sub-Stream for two projects, the cost of Tertiary Treatment at the North Shore Wastewater Treatment Plant, and a joint application with the City of Burnaby on the Waste-to-Energy Facility District Energy Program.

*Recommendation:*

That the GVS&DD Board direct staff to submit applications for grant funding through the Investing in Canada Infrastructure Program – Green Infrastructure: Environmental Quality Sub-Stream for the following projects, as described in the report dated December 19, 2019, titled “Investing in Canada Infrastructure Program”:

- a) North Shore Wastewater Treatment Plant Tertiary Upgrade with a total estimated cost of \$30 million – 73.33% from Canada and the Province of British Columbia and a 26.67% GVS&DD funding commitment in the amount of \$8,001,000 toward the project; and
- b) Waste-To-Energy Facility District Energy Program with a total estimated cost of \$30 million – 73.33% from Canada and the Province of British Columbia and a 26.67% GVS&DD funding commitment in the amount of \$8,001,000 toward the project.

*Adopted on Consent*

**2.1 Board Appointments and Rescindments of Bylaw Enforcement Officers**

Report dated January 2, 2020 from Ray Robb, Division Manager, Environmental Regulation and Enforcement, Parks and Environment, seeking that the GVS&DD Board appoint and rescind appointments of Metro Vancouver and City of Vancouver employees as Board-designated municipal sewage control managers and municipal sewage control officers.

*Recommendation:*

That the GVS&DD Board:

- a) pursuant to the *Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw* and the *Environmental Management Act*:
  - i. appoint Metro Vancouver employee Nicole Gatto as a municipal sewage control officer; and
  - ii. rescind the appointments of former Metro Vancouver employees Larry Avanthay, Kristen Beattie and Johanna Legge as municipal sewage control officers; and
  - iii. appoint City of Vancouver employee Nicole Montgomery as a deputy sewage control manager.
- b) pursuant to Section 28 of the *Offence Act*:
  - i. appoint Metro Vancouver employee Nicole Gatto for the purpose of serving summons under Section 28 of the *Offence Act* for alleged violations under the *Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw*; and
  - ii. rescind the appointments for the purpose of serving summons of former Metro Vancouver employees Larry Avanthay, Kristen Beattie and Johanna Legge.

*Adopted on Consent*

**2.2 Award of Phase C – Tendering Services, for Northwest Langley Wastewater Treatment Plant – Design and Construction Engineering Services**

Report dated December 20, 2019 from Roy Moulder, Director, Purchasing and Risk Management, Financial Services and Paul Wilting, Program Manager, Northwest Langley Wastewater Treatment Projects, Project Delivery, Liquid Waste Services, seeking GVS&DD Board authorization to award Phase C - Tendering Services to the Phase A and B consultant, CH2M Hill Canada Limited

(CH2M Hill) for the Northwest Langley Wastewater Treatment Plant, in an amount of up to \$5,303,514 (exclusive of taxes).

*Recommendation:*

That the GVS&DD Board:

- a) approve the award of Phase C - Tendering Services, in the amount of up to \$5,303,514 (exclusive of taxes) to the Phase A and Phase B consultant, CH2M Hill Canada Limited, for Northwest Langley Wastewater Treatment Plant - Design and Construction Engineering Services, and;
- b) authorize the Commissioner and the Corporate Officer to execute the required documentation.

*Adopted on Consent*

**3.1 2019 Integrated Solid Waste & Resource Management Plan Biennial Report**

Report dated January 17, 2020 from the Zero Waste Committee, together with report dated January 10, 2020 from Andrew Marr, Director, Solid Waste Planning, Solid Waste Services, seeking GVS&DD Board direction to staff to invite feedback on the draft 2019 Biennial Report on the *Integrated Solid Waste and Resource Management Plan*, and to submit the Plan and feedback to the Province of BC.

*Recommendation:*

That the GVS&DD Board:

- a) direct staff to invite feedback on the *2019 Integrated Solid Waste and Resource Management Plan Biennial Report* from public stakeholders and First Nations in BC with interests in the region; and
- b) direct staff to submit the *2019 Integrated Solid Waste and Resource Management Plan Biennial Report* and feedback to the Ministry of Environment and Climate Change Strategy.

*Adopted on Consent*

**3.2 Board Appointment and Rescindments of Bylaw Enforcement Officers**

Report dated January 9, 2020 from Ray Robb, Division Manager, Environmental Regulation and Enforcement, Parks and Environment, seeking that the GVS&DD Board appoint and rescind appointments of Metro Vancouver employees as GVS&DD Board-designated officers.

*Recommendation:*

That the GVS&DD Board:

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



the *Greater Vancouver Sewerage and Drainage District Municipal Solid Waste and Recyclable Material Regulatory Bylaw No. 181, 1996.*

*Adopted on Consent*

**F. ITEMS REMOVED FROM THE CONSENT AGENDA**

No items presented.

**G. REPORTS NOT INCLUDED IN CONSENT AGENDA**

**1.1 Greater Vancouver Sewerage and Drainage District Fermentation Operations Amending Bylaw No. 333, 2020**

Report dated December 23, 2020 from Marla Bondar, Environmental Regulatory Planner, Utility Policy and Planning, Liquid Waste Services, seeking GVS&DD Board approval of *GVS&DD Fermentation Operations Amending Bylaw No. 333, 2020* to reflect updated treatment fees.

**It was MOVED and SECONDED**

That the GVS&DD Board give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Fermentation Operations Amending Bylaw No. 333, 2020.*

**CARRIED**

**It was MOVED and SECONDED**

That the GVS&DD Board pass and finally adopt *Greater Vancouver Sewerage and Drainage District Fermentation Operations Amending Bylaw No. 333, 2020.*

**CARRIED**

**H. MOTIONS FOR WHICH NOTICE HAS BEEN GIVEN**

No items presented.

**I. OTHER BUSINESS**

No items presented.

**J. BUSINESS ARISING FROM DELEGATIONS**

No items presented.

**K. RESOLUTION TO CLOSE MEETING**

**It was MOVED and SECONDED**

That the GVS&DD Board close its regular meeting scheduled for January 31, 2020 pursuant to the *Community Charter* provisions, Section 90 (1) (j) as follows:

“90 (1) A part of a board meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:

(j) information that is prohibited, or information that if it were presented in a document would be prohibited, from disclosure under section 21

of the *Freedom of Information and Protection of Privacy Act.*"

**CARRIED**

**L. RISE AND REPORT (Items Released from Closed Meeting)**

No items presented.

**M. ADJOURNMENT/CONCLUSION**

**It was MOVED and SECONDED**

That the GVS&DD Board adjourn its regular meeting of January 31, 2020.

**CARRIED**

(Time: 9:18 a.m.)

CERTIFIED CORRECT

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Chris Plagnol, Corporate Officer

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Sav Dhaliwal, Chair

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To: Liquid Waste Committee

From: Roy Moulder, Director, Purchasing and Risk Management, Financial Services  
Colin Meldrum, Division Manager, Collection Systems, Project Delivery, Liquid Waste Services

Date: January 21, 2020 Meeting Date: February 7, 2020

Subject: **Award of Contract Resulting from Request for Proposal No. 19-194: Construction Services - Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section**

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### RECOMMENDATION

That the GVS&DD Board:

- a) approve the award of a contract for an amount of up to \$16,599,950 (exclusive of taxes) to JJM Construction Ltd. resulting from Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section; and
- b) authorize the Commissioner and the Corporate Officer to execute the contract.

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### EXECUTIVE SUMMARY

The construction of Burnaby Lake North Interceptor No. 2 - Phase 2 - Open Cut Section is required to enhance sewer capacity in the City of Burnaby. A Request for Proposal (RFP) was issued for the construction of the Burnaby Lake North Interceptor No. 2 - Phase 2 - Open Cut Section to five (5) pre-qualified contractors on October 10, 2019. The project consists of installation of approximately 880 linear metres of reinforced concrete sanitary sewer pipe via open cut methods in Burnaby, BC. Metro Vancouver received a total of three (3) submissions to the RFP and after the evaluation process, JJM Construction Ltd. had the highest ranked proposal. It is recommended that the GVS&DD Board authorize the Commissioner and the Corporate Officer to award and execute the contract to JJM Construction Ltd. in the amount of up to \$16,599,950 (exclusive of taxes).

### PURPOSE

This report is to advise the GVS&DD Board of the results of RFP No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section, and to recommend award of a contract in the amount of up to \$16,599,950 (exclusive of taxes) to JJM Construction Ltd.

### BACKGROUND

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

This report is being brought forward to the Liquid Waste Committee to consider a recommendation to the GVS&DD Board to award a contract for the construction of the Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section.

## PROJECT DESCRIPTION

The Project consists of construction of 880 linear metres of lined reinforced concrete sanitary sewer pipe ranging from 900 mm to 1350 mm in nominal diameter, to be installed by open cut methods. The installation of the sewer pipe also includes installation of piles/micropiles for the sewer pipe as well as design/installation of sheet pile shoring for the trench, dewatering, traffic control, notification and coordination of works with all affected stakeholders, site restoration, clean-up and landscaping, traffic control, geotechnical engineering analysis, and more.

As a result of Request for Qualifications (RFQ No. 18-401) that was publically advertised on Metro Vancouver's and BC Bid websites, five (5) experienced firms were shortlisted and invited to respond to RFP No. 19-194. The RFP closed on December 23, 2019 and three (3) firms submitted proposals as follows:

Proponent	Total Proposal Price (exclusive of taxes)
JJM Construction Ltd.	\$16,599,950.00
Gateway Infrastructure Group GP	\$25,200,484.00
Clearway Construction Inc.	\$27,416,928.41

All three proposals were also evaluated on their technical merits. The proposal submitted by JJM Construction Ltd was the highest ranked submission on technical merits, as well as the lowest price.

## ALTERNATIVES

1. That the GVS&DD Board:
  - a) approve the award of a contract for an amount of up to \$16,599,950 (exclusive of taxes) to JJM Construction Ltd. resulting from Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section; and
  - b) authorize the Commissioner and the Corporate Officer to execute the contract.
2. That the GVS&DD Board terminate Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section and direct staff to report back to the GVS&DD Board with options for an alternate course of action.

## FINANCIAL IMPLICATIONS

If the GVS&DD Board approves Alternative 1, a contract will be awarded to the highest ranked proponent, JJM Construction Ltd., in the amount of up to \$16,599,950 (exclusive of taxes).

The GVS&DD Board has the choice not to proceed with Alternative 1; however, staff will need further direction in relation to the project and how to address the servicing needs in the tributary area.

## CONCLUSION

Request for Proposal No. 19-194 was issued for construction services for the Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section and JJM Construction Ltd. was identified as the highest ranked and lowest cost proposal. Based on the evaluation of the proposals, it is recommended that

the Board authorize the Commissioner and the Corporate Officer to award and execute a contract to JJM Construction Ltd. in the amount of up to \$16,599,950 (exclusive of taxes).

The Construction of Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section is a critical connection required to enhance sewer capacity in the City of Burnaby.

36428733

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To: Zero Waste Committee

From: Roy Moulder, Director, Purchasing and Risk Management, Financial Services  
Marcel Pitre, Division Manager, Policy and Facility Development, Solid Waste Services

Date: February 7, 2020 Meeting Date: February 14, 2020

Subject: **Construction Contract Award Resulting from Request for Proposal (RFP) No. 19-313:  
Construction of a Completed Recycling and Solid Waste Drop-off Facility**

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**RECOMMENDATION**

That the GVS&DD Board:

- a) approve the award of a contract in the amount of up to \$25,575,000 (exclusive of taxes) to Clark Builders resulting from Request for Proposal (RFP) No. 19-313: Construction of a Completed Recycling and Solid Waste Drop-off Facility; and
  - b) authorize the Commissioner and Corporate Officer to execute the contract.
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**EXECUTIVE SUMMARY**

Metro Vancouver is initiating the construction of the Surrey Recycling and Waste Drop-Off Facility at 6711 154th Street, Surrey. This facility will address a service gap and enhance the Metro Vancouver network of solid waste facilities in this growing area of the region.

Six experienced firms were shortlisted from Request for Qualifications No. 19-063 and invited to respond to RFP No. 19-313 for facility construction. The RFP closed on December 19, 2019 and five firms submitted proposals. Based on the evaluation of the proposals, Clark Builders was identified as the highest ranked and offered the lowest fee proposal.

It is recommended that the GVS&DD Board authorize the Commissioner and Corporate Officer to award and execute the contract to Clark Builders in the amount of up to \$25,575,000 (exclusive of taxes). This award is within budget and construction is expected to be completed by mid-2021.

**PURPOSE**

To advise the Zero Waste Committee and GVS&DD Board of the results of RFP No. 19-313: Construction of a Completed Recycling and Solid Waste Drop-off Facility and to recommend award of the contract in the amount of up to \$25,575,000 (exclusive of taxes) to Clark Builders.

**BACKGROUND**

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

This report is being brought forward to the Zero Waste Committee to consider a recommendation to the GVS&DD Board to authorize the award of a contract for the Construction of the Surrey Recycling and Waste Drop-Off Facility.

## PROJECT DESCRIPTION

In July 2017, the Board approved purchasing the property at 6711 154th Street, Surrey from the City of Surrey and proceeding with the development of the Surrey Recycling and Waste Drop-Off Facility subject to rezoning of the property.

The Surrey Recycling and Waste Drop-Off Facility would accept municipal solid waste, green waste and recyclables from manually unloaded small vehicles. This facility would expand the existing Metro Vancouver solid waste network, filling a gap in service level in this growing area of the region.

Working closely with the City of Surrey, Metro Vancouver selected, purchased and rezoned the property for the specific use of a recycling and waste drop-off facility for residents and small businesses.

The rezoning process was completed in April 2018. Subsequently, site clearing and initial erosion and sediment control works were completed in April 2019. Building permit B-19-030640-1-0 for the full construction of the project was granted by the City of Surrey on November 26, 2019.

## Procurement Evaluation

As a result of Request for Qualifications No. 19-063: Construction of a Completed Recycling and Waste Drop-off Facility, which was publicly advertised on Metro Vancouver and BC Bid websites, six (6) experienced firms were shortlisted and invited to respond to RFP No. 19-313. The RFP was issued on October 23, 2019 and closed on December 19, 2019, and five (5) of the shortlisted firms submitted proposals.

The proposals were subjected to technical and financial evaluation as described in the RFP. The technical and financial evaluations were weighted 40% and 60% respectively. A number of references were also contacted as part of the review process. The technical component was evaluated by staff from the Solid Waste Services Department and the financial component was evaluated by staff from the Purchasing and Risk Management Division of the Financial Services Department.

Clark Builders was the highest ranked proponent following an evaluation of proposals. Clark Builders also submitted the lowest proposal price of \$25,575,000.00 (exclusive of taxes).

<b>Proponent</b>	<b>Proposal Price (exclusive of taxes)</b>
Clark Builders	\$25,575,000
Maple Reinders Inc.	\$26,872,000
Jacob Bros. Construction Inc.	\$26,986,081
Stuart Olson Construction Ltd.	\$27,760,539
Kenaidan Contracting Ltd.	\$27,894,097

## **ALTERNATIVES**

1. That the GVS&DD Board:
  - a) approve the award of a contract in the amount of up to \$25,575,000 (exclusive of taxes) to Clark Builders resulting from Request for Proposal (RFP) No. 19-313: Construction of a Completed Recycling and Solid Waste Drop-off Facility; and
  - b) authorize the Commissioner and Corporate Officer to execute the contract.
  
2. That the GVS&DD Board terminate RFP No. 19-313: Construction of a Completed Recycling and Solid Waste Drop-off Facility and direct staff to report back to the GVS&DD Board with alternatives.

## **FINANCIAL IMPLICATIONS**

If the GVS&DD Board approves Alternative 1, a contract will be awarded to the highest ranked proponent, Clark Builders, in the amount of up to \$25,575,000 (exclusive of taxes). The Surrey Recycling and Waste Drop-Off Facility is a key addition to the regional solid waste system, filling a gap in service level in a growing area of the region. Construction of the facility is expected to be completed by mid-2021.

The work is to be funded as a capital expenditure and has been included in the Solid Waste Services Capital Budget as approved by the Board on November 1, 2019. In their submission, Clark Builders bid \$25,575,000 (exclusive of taxes). The expected cost of the project including consulting, permits, development cost contributions and contingencies is expected to be \$38,700,000, within the project budget. The City of Surrey will fund the recycling depot portion of the facility on the same basis that North Shore and Tri-Cities municipalities fund the recycling depots located at the transfer stations in those communities.

If the GVS&DD Board chooses not to proceed with Alternative 1, staff will need further direction in relation to the project. If the GVS&DD Board chooses not to proceed, there will continue to be a solid waste service level gap in this area of the region, and the opportunity to increase recycling for small vehicle loads will not be realized at this time.

## **CONCLUSION**

The Surrey Recycling and Waste Drop-Off facility will be a new addition to the Metro Vancouver transfer station network, filling a gap in service level in this growing area of the region.

Request for Proposal No. 19-313 was issued for the construction of the Surrey Recycling and Waste Drop-Off Facility and Clark Builders was identified as the highest ranked proponent with the lowest fee proposal. It is recommended that the GVS&DD Board authorize the Commissioner and the Corporate Officer to award and execute a contract to Clark Builders in an amount of up to \$25,575,000 (exclusive of taxes).

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To: Zero Waste Committee

From: Roy Moulder, Director, Purchasing and Risk Management, Financial Services  
Marcel Pitre, Division Manager, Policy and Facility Development, Solid Waste Services

Date: February 7, 2020 Meeting Date: February 14, 2020

Subject: **Consulting Contract Amendment: Phase D – Construction Administration and Post Construction Services for Surrey Recycling and Waste Drop-Off Facility**

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**RECOMMENDATION**

That the GVS&DD Board:

- a) approve the award of Phase D - Construction Administration and Post Construction Services for an amount of up to \$2,576,631 (exclusive of taxes) to the Phase A, B and C consultant, Morrison Hershfield Limited, for the Surrey Recycling and Waste Drop-Off Facility project; and
- b) authorize the Commissioner and Corporate Officer to execute the required documentation.

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**EXECUTIVE SUMMARY**

Metro Vancouver is initiating the construction of the Surrey Recycling and Waste Drop-Off Facility at 6711 154th Street, Surrey. This facility will expand the Metro Vancouver network of solid waste facilities, filling a service level gap in this growing area of the region.

Request for Qualifications No. 17-090 (RFQ) for Engineering Services was awarded to Morrison Hershfield in December 2017. The services proposed in the RFQ included four phases: Phase A- Conceptual Design and Design Basis Memorandum, Phase B- Preliminary Design, Phase C- Detailed Design and Tender Package, and Phase D- Construction Administration and Post Construction Services.

The proposed contract amendment for an amount of up to \$2,576,631 (exclusive of taxes) will authorize Morrison Hershfield to proceed with Phase D, including construction administration, commissioning and oversight services for the project. This represents a total consulting expenditure of \$4,967,544.

**PURPOSE**

To request authorization by the GVS&DD Board to award Phase D - Construction Administration and Post Construction Services to the Phase A, B, and C consultant, Morrison Hershfield Limited, (Morrison Hershfield), for the Surrey Recycling and Waste Drop-Off Facility construction project in an amount of up to \$2,576,631 (exclusive of taxes).

**BACKGROUND**

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

Policy provides that the value of the contract is the anticipated total value of the services to be provided over all phases, exclusive of taxes.

In 2017, GVS&DD issued RFQ No. 17-090: Design and Construction Management of the Surrey Small Vehicle Drop Off Facility, which included Phases A (Conceptual Design and Design Basis Memorandum), B (Preliminary Design), C (Detailed Design and Tender Package) and D (Construction Administration and Post Construction Services). The RFQ was awarded to Morrison Hershfield in December 2017. The current value of Phases A, B and C is \$2,390,913 (exclusive of taxes).

This report is being brought forward to the Zero Waste Committee to consider a recommendation to the GVS&DD Board to authorize award of Phase D (Construction Administration and Post Construction Services) prior to proceeding to the construction stage of the Surrey Recycling and Waste Drop-Off Facility. The original contract for this consulting engineering work did not come to the Zero Waste Committee or Board as the project value was not initially expected to exceed \$5 million. This report is being brought forward for the Board's consideration at this time as the total contract price will be just under the \$5 million threshold requiring GVS&DD Board approval.

#### **PROJECT DESCRIPTION**

The new Surrey Recycling and Waste Drop-Off facility would accept municipal solid waste, green waste and recyclables from manually unloaded small vehicles. This facility would be a new addition to the existing Metro Vancouver solid waste network, filling a gap in service level in this growing area of the region.

Working closely with the City of Surrey, Metro Vancouver selected, purchased and rezoned the property for the specific use of a recycling and waste drop-off facility for residents and small businesses. The property is at 6711 154<sup>th</sup> Street in Surrey. The rezoning process was completed in April 2018.

#### **Consulting Services**

Request for Qualifications No. 17-090 was issued March 2017. Under the terms of the RFQ, Metro Vancouver reserved the right to determine the subsequent steps in the selection process, which included moving to an Invitation to Tender, a Request for Proposal or negotiating directly with the front-runner resulting from the RFQ process. Four firms responded to the RFQ and Morrison Hershfield was the highest ranked firm by a large margin. It was determined that negotiation with the front-runner would be the best course of action. A contract for Phases A and B was originally awarded for \$847,057 exclusive of taxes.

Subsequently, the contract was amended by \$1,303,752 in November 2018 to include Phase C and change orders, for a total of \$2,150,809. Including additional change orders for various tasks, the contract amount currently is \$2,390,913 (exclusive of taxes).

Phase D tasks include:

- construction engineering services for the primary construction contract over a 15-month period;

- commissioning authority services; and
- environmental and geotechnical oversight services.

The proposed contract amendment will authorize Morrison Hershfield to proceed with Phase D, including construction administration, commissioning, environmental and geotechnical oversight services for the project. An amount of up to \$2,576,631 (exclusive of taxes) is anticipated to be required for the engineering work and field services for the construction of the Surrey Recycling and Waste Drop-Off Facility. With the addition of all amendments and change orders, the contract would be close to exceeding the \$5 million threshold requiring GVS&DD Board approval. The total adjusted contract value for engineering services for all phases is anticipated to be an amount of up to \$4,967,544 (exclusive of taxes).

### **ALTERNATIVES**

1. That the GVS&DD Board:
  - a) approve the award of Phase D - Construction Administration and Post Construction Services for an amount of up to \$2,576,631 (exclusive of taxes) to the Phase A, B and C consultant, Morrison Hershfield Limited, for the Surrey Recycling and Waste Drop-Off Facility project; and
  - b) authorize the Commissioner and Corporate Officer to execute the required documentation.
2. That the GVS&DD Board not approve the award of Phase D to Morrison Hershfield Limited resulting from RFQ No. 17-090: Consulting Engineering Services for the Design and Construction Management of the Surrey Small Vehicle Drop Off Facility and direct staff to report back to the GVS&DD Board with alternatives.

### **FINANCIAL IMPLICATIONS**

If the GVS&DD Board approves Alternative 1, an amount of up to \$2,576,631 (exclusive of taxes) will be added to the contract with Morrison Hershfield Limited. The total value of the contract for all phases is anticipated to be \$4,967,544 (exclusive of taxes).

The work is to be funded as a capital expenditure and has been included in the Solid Waste Services Capital Budget as approved by the Board on November 1, 2019.

If GVS&DD Board chooses not to proceed with Alternative 1, staff will need further direction in relation to the project. Alternative 2 could cause a delay in the start-up date of the new facility and additional costs associated with procurement of a new consultancy firm to complete the final construction and post construction phase.

### **CONCLUSION**

Metro Vancouver is initiating the construction of the Surrey Recycling and Waste Drop-Off Facility. This facility will be a new addition to the network of solid waste facilities in Metro Vancouver, filling a gap in service level in this growing area of the region.

Request for Qualifications No. 17-090 was issued for Design and Construction Management Services for the Surrey Recycling and Waste Drop-Off Facility and contemplated the work to be done in four

phases. Morrison Hershfield Limited was the successful proponent and has completed Phases A, B and C. It is recommended that the GVS&DD Board authorize the Commissioner and the Corporate Officer to amend the contract with Morrison Hershfield Limited to provide Phase D - Construction Administration and Post Construction Services on the Surrey Recycling and Waste Drop-Off Facility project in amount of up to \$2,576,631 (exclusive of taxes).

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To: Climate Action Committee

From: Paul Kadota, Program Manager, Policy, Planning and Analysis  
Liquid Waste Services Department

Date: January 16, 2020 Meeting Date: February 14, 2020

Subject: **2020 Liquid Waste Sustainability Innovation Fund Application**

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**RECOMMENDATION**

That the GVS&DD Board approve the allocation from the Liquid Waste Sustainability Innovation Fund of \$330,000 over three years starting in 2020 for the Handheld Wastewater Microbial DNA Monitor project.

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**EXECUTIVE SUMMARY**

The Climate Action Committee is responsible for overseeing the Sustainability Innovation Funds, and for making all funding recommendations to the respective Boards. Staff assist the Climate Action Committee in reviewing and evaluating all proposals that are submitted for consideration. This report presents one project recommended for funding, totaling \$330,000 over three years, which will be funded through the Liquid Waste Sustainability Innovation Fund. The project proposes the use of handheld microbial DNA monitoring to more effectively detect wastewater treatment plant issues.

**PURPOSE**

To present one project recommended for Sustainability Innovation Funding for the Climate Action Committee and the GVS&DD Board's consideration.

**BACKGROUND**

The Liquid Waste Sustainability Innovation Fund was created by the Board in 2004 to provide financial support to Liquid Waste Utility projects that contribute to the region's sustainability. The GVS&DD Board adopted the *Liquid Waste Sustainability Innovation Fund Policy* on June 27, 2014, with further amendments in 2016, to guide the use and management of the Fund. The Policy describes a process of generating, submitting, evaluating and recommending proposals for funding each year.

The Climate Action Committee is responsible for overseeing the Fund, and for making all funding recommendations to the Board. Staff assist the Climate Action Committee in reviewing and evaluating all proposals that are submitted for consideration.

**LIQUID WASTE SUSTAINABILITY INNOVATION FUND POLICY**

On an annual basis, Liquid Waste projects are submitted to an internal staff Steering Committee, representing a cross-section of the organization, to evaluate projects and initiatives based on the Fund's evaluation criteria. As defined in the policy, projects need to fulfill the following criteria:

- Be overseen by the GVS&DD;
- Be consistent with the authority and responsibility of the GVS&DD;
- Be consistent with the objectives of the *Integrated Liquid Waste and Resource Management Plan* and/or the *Board Strategic Plan*;

- Consider partnerships including, but not limited to, member jurisdictions, academic institutions, non-governmental organizations, and community groups;
- Result in a positive contribution, in the form of tangible results and/or measurable benefits, to the sustainability of the region; and,
- Demonstrate innovation and facilitate action.

On an annual basis the Climate Action Committee receives an update report on the projects supported by the Fund including the deliverables, outcomes, and the measurable benefits of these projects to the region’s sustainability. A summary of past projects can be found on the Sustainability Innovation Program website.

**2020 APPLICATION PROCESS**

An internal call for proposals closed on November 1, 2019 and one Liquid Waste proposal was considered by the cross-departmental Sustainability Innovation Fund Steering Committee, comprised of representatives from seven different departments within Metro Vancouver.

The Steering Committee evaluated the submission and determined the proposal has strong alignment with promoting regional sustainability and innovation. The proposal recommended for funding by the Steering Committee is listed in the table below with additional detail provided in the executive summary (Attachment 1).

<b>Recommended Allocation from the Liquid Waste Sustainability Innovation Fund</b>		
<b>Project Title</b>	<b>Year</b>	<b>Amount Requested</b>
Handheld Wastewater Microbial DNA Monitor	2020-2022	\$330,000

**Handheld Wastewater Microbial DNA Monitor**

Secondary wastewater treatment is reliant upon a healthy microbial community. This project involves adapting a handheld DNA sequencing unit and validating its ability to provide accurate, rapid microbial characterization with Metro Vancouver wastewater. Near real-time microbial information will allow staff to more effectively detect wastewater treatment plant (WWTP) issues before they develop into operational challenges and implement prevention and control strategies to achieve optimal performance. The use of an artificial intelligence platform will facilitate operational decision-making.

This project aligns well with Metro Vancouver’s *Integrated Liquid Waste and Resource Management Plan*. Environmental benefits include: increased resiliency for lower risk of regulatory non-compliance, and maximizing effluent quality. Social/community benefits include: educational opportunities for graduate students, outreach activities on genomic sciences to peer utilities, and development of a new wastewater monitoring paradigm that can lead to highly qualified professional positions. Rapid microbial DNA monitoring is significantly faster and cheaper than traditional laboratory DNA sequencing and can improve system performance, potentially reducing energy use and operating costs, and providing a foundation for future work on advanced wastewater process modelling and design. From a climate action perspective, improved understanding of microbial metabolism can be extended to optimize renewable natural gas production and to reduce energy demand at a treatment facility.

This project will be completed in partnership with the University of British Columbia.

**ALTERNATIVES**

1. That the GVS&DD Board approve the allocation from the Liquid Waste Sustainability Innovation Fund of \$330,000 over three years starting in 2020 for the Handheld Wastewater Microbial DNA Monitor project.
  
2. That the Climate Action Committee receive for information the report dated January 16, 2020, titled “2020 Liquid Waste Sustainability Innovation Fund Application” and provide alternate direction to staff.

**FINANCIAL IMPLICATIONS**

If the Board approves Alternative 1, \$330,000 for the project will be disbursed from the Liquid Waste Sustainability Innovation Fund over three years. The fund has budget to support Alternative 1.

Approved projects will be incorporated into the applicable work plans and budgets within Liquid Waste Services.

**CONCLUSION**

The Liquid Waste Sustainability Innovation Fund was created by the Board in 2004 to provide financial support for Liquid Waste projects that contribute to the region’s sustainability. The *Liquid Waste Sustainability Innovation Fund Policy* guides the use and management of the Fund and describes the process of generating, submitting, evaluating and recommending proposals for funding each year. The Climate Action Committee is responsible for overseeing the Fund, and for making all funding recommendations to the GVS&DD Board. Staff assist the Climate Action Committee in reviewing and evaluating all proposals that are submitted for consideration.

This report presents the Steering Committee’s recommendation to fund the Handheld Wastewater Microbial DNA Monitor project over three years.

Additional details of the project are provided in the executive summary (Attachment 1). Staff recommend that the Climate Action Committee approve the Steering Committee’s recommendations for funding the proposal and forward the recommendations to the GVS&DD Board for consideration. Staff recommendations are presented as Alternative 1.

**Attachment**

1. Liquid Waste Services Sustainability Innovation Fund – Executive Summaries

**References**

1. <http://www.metrovancouver.org/services/air-quality/sustainability-innovation-program/Pages/default.aspx>

## Sustainability Innovation Fund: Liquid Waste Services Executive Summary

Project Name: **Handheld Wastewater Microbial DNA Monitor**

Amount Requested from Sustainability Innovation Fund: \$330,000 (2020-2022)

### Purpose:

The purpose of this project is to adapt a portable DNA sequencing unit (Figure 1) and prototype its ability to provide accurate, rapid characterization of microorganisms that are vital to effective secondary wastewater treatment. Over the past decade, a number of advances in wastewater treatment have been through the discovery of ways to promote desired microorganisms within the wastewater microbiome. This has led to the engineering of new process units with smaller footprints that lower costs and achieve higher quality effluent that enables opportunities for water reclamation and use. These advances were made possible through increased understanding of the complex dynamics of the microbial network using laboratory-intensive DNA methods that provide results months after samples are taken.

The goal of this proposal is to develop a rapid, accurate, handheld DNA monitoring tool that provides effective monitoring and identification of wastewater microbial species. This near real-time information will allow staff to more effectively detect issues before they develop into operational challenges, diagnose problems and severity, implement prevention and control strategies, and alter the treatment process to achieve optimal performance. In addition, the incorporation of an artificial intelligence platform promises to facilitate predictive decision-making (Figure 2). Ultimately the handheld DNA sequencer can provide environmental, economic, social, and climate change mitigation benefits, and insight to new, more sustainable infrastructure designs.

### Project Objectives:

Short, mid, and long-term project objectives correspond to the 3-year project timeline:

- Short-term: Adapt and validate the hand-held DNA sequencer with Metro Vancouver (MV) wastewater treatment plant (WWTP) samples.
- Mid-term: Create a WWTP-specific microbial database. Each treatment plant can have a unique microbial community; by determining what the baseline “normal” microbial DNA structure is for the specific WWTP, changes to the microbial community can be diagnosed.
- Long-term: Prototype an artificial intelligence-based platform that uses DNA sequence data to predict impacts on process performance. With this information, WWTP staff can implement mitigation strategies, enable immediate corrective actions, improve efficiency, and optimize wastewater treatment.

### Contributions to Regional Sustainability:

This project provides environmental, social/community, and economic benefits that contribute to regional sustainability. Environmental benefits include: increased resiliency, lower risk of regulatory non-compliance, and protection of the environment through development of enhanced monitoring, control, and design strategies. Social/community benefits include: educational opportunities for graduate students supported by this project, outreach activities on genomic sciences to peer utilities and other interested parties, and development of a new WWTP monitoring paradigm that can lead to highly



qualified professional positions, possibly through new companies offering the expertise gained. Economically, rapid microbial DNA monitoring can improve system performance, potentially reducing energy use and operating costs, and providing a foundation for future work on advanced wastewater process modelling and design. Handheld DNA monitoring is also significantly cheaper than laboratory-based DNA monitoring and provides WWTP operators a tool to directly assess the microbial community, creating increased staff expertise to identify future efficiencies. From a climate action perspective, improved understanding of microbial metabolism can be used to optimize renewal natural gas production and reduce energy demand.

This project also aligns with all 3 goals of MV's Integrated Liquid Waste and Resource Management Plan:

- WWTP process optimization reduces risk and improves effluent quality thus allowing MV to *Protect Public Health and the Environment* (Goal 1);
- DNA monitoring enhances knowledge of microbial communities which in the future could be used to promote bacteria to produce extra renewable energy, to facilitate *Use of Liquid Waste as a Resource* (Goal 2); and,
- Innovative approaches to traditional monitoring and treatment optimize system performance resulting in *Effective, Affordable and Collaborative Management* (Goal 3).

#### Innovation Element:

This project aims to prototype the first of its kind handheld DNA sequencing tool to generate near real-time microbial community data to elucidate secondary WWTP process dynamics. The hardware and software platform, utilizing artificial intelligence, provides insight to optimize system performance, thus reducing operational risks and cost while providing environmental, social, and climate change mitigation benefits.

#### Tangible Benefits and Outcomes:

Tangible benefits and outcomes of the project are:

- A portable, low-cost, rapid DNA sequencer that enables process optimization to reduce operational costs, energy consumption, and environmental risk, by providing an early warning of undesirable microbes that could reduce treatment efficiency and affect effluent quality.
- Predictive decision making based on DNA data combined with a machine-learning platform that incorporates process performance data and microbial community profiles to inform process control strategies that optimize performance, and minimize environmental footprint.
- Part of creating an adaptive learning ecosystem providing deep WWTP-specific knowledge that allows staff to capitalize on increasingly advanced treatment technologies and processes to promote the design and operation of more sustainable WWTP infrastructure.

#### Members and other Partners:

This project will be completed in partnership with the University of British Columbia (UBC) specifically with the research groups of Dr. Ryan Ziels in the Department of Civil Engineering, and Dr. Steven Hallam in the Department of Microbiology & Immunology. Through UBC, Carl Data Solutions' machine-learning algorithms will be applied to the microbial data to identify community signatures that indicate optimal process performance. UBC will leverage its allocated SIF funds to seek grants from agencies such as Natural Sciences and Engineering Research Council (NSERC) and Genome BC.



Figure 1: Oxford Nanopore Technologies MinION portable DNA sequencing device.

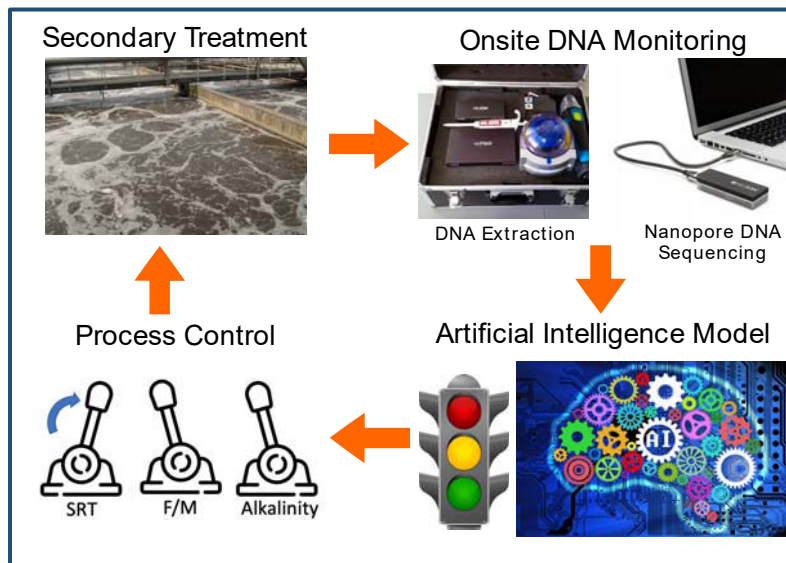


Figure 2: Overview of real-time microbial monitoring for improved process control.

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To: Finance and Intergovernment Committee

From: Dean Rear, General Manager, Financial Services/Chief Financial Officer

Date: January 29, 2020 Meeting Date: February 12, 2020

Subject: **Metro Vancouver Signing Officers Amending Bylaws – MVRD, GVS&DD and GVWD**

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**RECOMMENDATION**

That the MVRD Board:

- a) give first, second and third reading to *Metro Vancouver Regional District Financial Services Administration and Signing Authority Amending Bylaw No. 1302, 2020*; and
- b) pass and finally adopt *Metro Vancouver Regional District Financial Services Administration and Signing Authority Amending Bylaw No. 1302, 2020*.

That the GVWD Board:

- a) give first, second and third reading to *Greater Vancouver Water District Financial Services Administration and Signing Authority Amending Bylaw No. 252, 2020*; and
- b) pass and finally adopt *Greater Vancouver Water District Financial Services Administration and Signing Authority Amending Bylaw No. 252, 2020*.

That the GVS&DD Board:

- a) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*;
- b) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*.

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**EXECUTIVE SUMMARY**

Board approved bylaws were adopted to establish authority for the execution of financial matters relating to Metro Vancouver's Districts. The Districts are currently functioning under the existing bylaw. The previous Signing Officer Bylaws are in need of updating for position titles and modern banking practice language. A reduction in the number of positions with signing authority was also desired to reduce the administrative maintenance for individuals that would not likely be called on to sign documents.

**PURPOSE**

To consider adopting updates to the Signing Officers Bylaws that will provide revised language for modern banking practices, amend signing authority positions and for financial matters relating to Metro Vancouver's Districts.

**BACKGROUND**

Board approved bylaws were adopted to establish authority for the execution of financial matters relating to Metro Vancouver's Districts. The general structure of signing officers' authority for financial matters is one signatory from Financial Services, together with a second signatory at the senior management or Board level.

The Districts are currently functioning under the existing Signing Officers Bylaws.

### **BYLAW UPDATES**

The previous Signing Officer Bylaws:

- i) *Greater Vancouver Regional District Signing Officers Bylaw No. 1184, 2013,*
- ii) *Greater Vancouver Sewerage & Drainage District Signing Officers Bylaw No. 279, 2013, and*
- iii) *Greater Vancouver Water District Signing Officers Bylaw No. 246, 2013*

are updated by the attached Amending Bylaws:

- i) *Metro Vancouver Regional District Financial Services Administration and Signing Authority Amending Bylaw No. 1302, 2020,*
- ii) *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020, and*
- iii) *Greater Vancouver Water District Financial Services Administration and Signing Authority Amending Bylaw No. 252, 2020*

respectively, for updated position titles and modern banking practice language. A reduction in the number of positions with signing authority was also desired to reduce the administrative maintenance for individuals that would not likely be called on to sign documents.

The Bylaws, as presented, are consistent with the current Board approved signing authority structure. Authorization requires one signatory from Financial Services, together with a second signatory at the senior management or Board level.

The Bylaws, as presented, will have no direct impact on financial operations, except to simplify approval language and reduce administrative efforts as mentioned above. Amended copies of the above noted Signing Officers Bylaws along with supporting documentation will be forwarded to banks and investment institutions having dealings with Metro Vancouver's Districts.

### **ALTERNATIVES**

1. That the MVRD Board:

- a) give first, second and third reading to *Metro Vancouver Regional District Financial Services Administration and Signing Authority Amending Bylaw No. 1302, 2020;* and
- b) pass and finally adopt *Metro Vancouver Regional District Financial Services Administration and Signing Authority Amending Bylaw No. 1302, 2020.*

That the GVWD Board:

- a) give first, second and third reading to *Greater Vancouver Water District Financial Services Administration and Signing Authority Amending Bylaw No. 252, 2020;* and
- b) pass and finally adopt *Greater Vancouver Water District Financial Services Administration and Signing Authority Amending Bylaw No. 252, 2020.*

That the GVS&DD Board:

- a) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*;
  - b) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*.
2. That the Finance and Intergovernment Committee receive for information the report dated January 29, 2020 titled “Metro Vancouver Signing Officers Amending Bylaws – MVRD, GVS&DD and GVWD” and provide direction on alternate signing authority language and structure.

### **FINANCIAL IMPLICATIONS**

There are no direct financial impacts to Metro Vancouver with the adoption of these bylaws. However, the clarified language and the updating to modern banking terms will ensure that financial matters requiring prompt attention are more clearly defined in the signing structure. This clarity should reduce administrative time along with a reduced chance of any interruption of banking activities.

### **CONCLUSION**

The Amended Signing Officers Bylaws are consistent with previous Board approved signing authority structures, but provide updated position titles and modern banking practice language. A reduction in positions with signing authority is also desired.

Staff recommend adoption of the Signing Officers Bylaws as outlined in Alternative 1.

### **Attachments**

1. ~~*Metro Vancouver Regional District Financial Services Administration and Signing Authority Amending Bylaw No. 1302, 2020*~~
2. *Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020*
3. ~~*Greater Vancouver Water District Financial Services Administration and Signing Authority Amending Bylaw No. 252, 2020*~~

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**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT  
BYLAW NO. 334, 2020**

**A Bylaw to Amend Greater Vancouver Sewerage and Drainage District Signing Officers Bylaw No.  
279, 2013**

**WHEREAS:**

- A. On June 28, 2013, the Board of Directors of the Greater Vancouver Sewerage and Drainage District (the "District") adopted the "Greater Vancouver Sewerage and Drainage District Signing Officers Bylaw No. 279, 2013" (the "Bylaw") to authorize persons to sign cheques and promissory notes; and
- B. The Board of Directors of the District wishes to amend the "Greater Vancouver Sewerage and Drainage District Signing Officers Bylaw No. 279, 2013."

**NOW THEREFORE** the Board of the District enacts as follows:

**Citation**

- 1. This Bylaw may be cited as "Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Amending Bylaw No. 334, 2020".

**Amendment of Bylaw**

- 2. The "Greater Vancouver Sewerage and Drainage District Signing Officers Bylaw No. 279, 2013" is hereby amended as follows:

- a) Delete Section 1 of the Bylaw in its entirety and replace with the following new Section 1:

"This Bylaw may be cited for all purposes as the "Greater Vancouver Sewerage and Drainage District Financial Services Administration and Signing Authority Bylaw No. 279, 2013"."

- b) Delete Section 3 of the Bylaw in its entirety and mark it as repealed.

- c) Delete Section 4 of the Bylaw in its entirety and replace with the following new Section 4:

"Any one of the:

Chairperson  
Vice-Chairperson  
Commissioner  
Corporate Solicitor

together with any one of the:

Chief Financial Officer  
Director, Financial Planning and Operations/Deputy Chief Financial Officer  
Director, Purchasing and Risk Management

are hereby required and authorized on behalf of the District to sign, endorse or approve, under seal if necessary or convenient:

- (a) any cheques, promissory notes, negotiable instruments and orders for the payment of money;
- (b) approvals, contracts or other authorizations for the incurring of overdrafts, debts or other borrowing;
- (c) contracts for the issuance or acceptance of letters of credit; and
- (d) documents for opening or closing of accounts with banking or investment institutions.”

d) Delete Section 5 of the Bylaw in its entirety and replace it with the following new Section 5:

“For the more efficient and effective administration of the District’s financial affairs, the Chief Financial Officer of the District is hereby authorized to delegate, subject to Section 4 of this Bylaw, all other general banking and financial activities, required for the normal day-to-day operations of the District, to such employees of the District over whom the Chief Financial Officer exercises control and supervision.”

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

Passed and finally adopted this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Sav Dhaliwal, Chair

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Chris Plagnol, Corporate Officer

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To: Zero Waste Committee

From: Allen Jensen, Project Engineer, Solid Waste Services

Date: February 7, 2020 Meeting Date: February 14, 2020

Subject: **Disposal of Out of Region Waste and International Waste at the Waste-to-Energy Facility**

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### **RECOMMENDATION**

That the GVS&DD Board:

- a) approve amending the *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* to:
    - i. delegate authority to the General Manager of Solid Waste Services to approve requests to receive up to 1,500 tonnes per year per generator of out of region waste and international waste; and
    - ii. apply the Special Handle Waste tipping fee of \$250 per tonne to Out of Region Waste.
  - b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020*; and
  - c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020*.
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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. Under the Tipping Fee Bylaw, the Board may authorize disposal of municipal solid waste from outside of Metro Vancouver at the Waste-to-Energy Facility. Metro Vancouver periodically receives requests to dispose of waste from outside of the region, including international waste. This report proposes amending the Tipping Fee Bylaw effective March 1, 2020 to delegate authority to the General Manager of Solid Waste Services to approve disposal requests up to 1,500 tonnes per year per generator for out of region waste and international waste, with larger quantities considered by the Board. International waste and out of region waste would be received at the special handle waste tipping fee of \$250 per tonne at the Waste-to-Energy Facility, and annual statistics would be reported to the Board and the City of Burnaby.

### **PURPOSE**

To seek Board approval to amend the Tipping Fee Bylaw to delegate authority to the General Manager of Solid Waste Services to approve disposal requests of up to 1,500 tonnes per year per generator of out of region waste and international waste at the Waste-to-Energy Facility.



## **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. The Tipping Fee Bylaw specifies that:

- 4.2 No person shall dispose of Municipal Solid Waste at a Disposal Site unless it originates from within the geographic area of the GVS&DD.*
- 4.3 Despite section 4.2, the Board may authorize acceptance at a Disposal Site of Municipal Solid Waste that originates from outside the geographic area of the GVS&DD, including International Waste.*

Metro Vancouver periodically receives requests to dispose of waste from outside the region at the Waste-to-Energy Facility. This report proposes amending the Tipping Fee Bylaw to delegate authority to the General Manager of Solid Waste Services to approve disposal requests for out of region waste and international waste of up to 1,500 tonnes per year per generator.

## **DISPOSAL OF MATERIAL ORIGINATING FROM OUTSIDE OF THE METRO VANCOUVER REGION**

### **Benefits of Waste-to-Energy Facility Disposal**

Waste-to-energy is a cost-effective and environmentally sustainable way to manage waste remaining after waste reduction and recycling efforts. Waste-to-energy provides the most effective way to dispose of materials that require immediate secure destruction because the waste is contained within the facility with no potential for animals or other vectors to transmit disease or foreign pests. The Waste-to-Energy Facility has been identified by the Canadian Food Inspection Agency, the Canadian Border Services Agency, police agencies and others as the preferred disposal method for international waste and a range of similar materials. In addition, some companies have set “Zero Waste to Landfill” corporate policies, where after waste reduction and diversion efforts are maximized, the companies send any remaining waste to the Waste-to-Energy Facility.

### **International and Special Handle Waste Disposal**

The Canadian Food Inspection Agency and Canadian Border Services Agency regulate and monitor the management of international waste and issue specific approvals to transporters and waste disposal sites. The Waste-to-Energy Facility is the preferred choice for disposal of international waste due to its proximity to the Port of Vancouver and Vancouver International Airport and its designation as a facility authorized to receive waste under the Canadian Food Inspection Agency’s International Waste Directive.

Under the Tipping Fee Bylaw, acceptance of waste originating from outside of Metro Vancouver, other than waste from cruise ships from the United States, requires approval by the Board. Cruise ship waste was designated domestic waste by the federal government in the 1990s, and as such has no specific disposal requirements. Receipt of international airline waste and international marine waste at the Waste-to-Energy Facility was approved by the Board in the 1990s and has been received ever since. International airline waste is typically cabin waste and international marine waste is general ship and galley waste. In June 2019, following consideration by the Board, the Waste-to-Energy Facility received approximately 1,500 tonnes of waste returned to Canada from the Philippines.

Material requiring immediate destruction at the Waste-to-Energy Facility, including international airline waste and international marine waste, is received at a “special handle waste” tipping fee, currently set at \$250 per tonne, as specified in the Tipping Fee Bylaw. The higher rate for special handle waste aligns with the requirements for managing the material.

The quantity of special handle waste processed at the Waste-to-Energy Facility is approximately 6,500 tonnes per year, out of the roughly 250,000 tonnes per year of waste processed at the Waste-to-Energy Facility and the total 920,000 tonnes of waste received in the Metro Vancouver and City of Vancouver solid waste system.

### **Tipping Fee Bylaw Changes**

Amending the Tipping Fee Bylaw to allow administrative approval of relatively small quantities of waste from outside of the region will ensure an efficient approval process. The proposed amending bylaw is included as Attachment 1 and a blackline version of changes to the consolidated bylaw is included as Attachment 2. The change would amend Section 4.3 to delegate authority to the General Manager of Solid Waste Services to approve requests to receive up to 1,500 tonnes per year per generator of international waste and out of region waste. Out of region waste would be accepted at the same rate as international and other special handle waste, currently \$250 per tonne, as prescribed in the Tipping Fee Bylaw. The proposed amendment to the Tipping Fee Bylaw would take effect March 1, 2020.

Summaries of quantities, sources and types of special handle waste, including international waste and out of region waste, would be reported to the Board along with the City of Burnaby on an annual basis.

### **ALTERNATIVES**

1. That the GVS&DD Board:
  - a) approve amending the *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017* to:
    - i. delegate authority to the General Manager of Solid Waste Services to approve requests to receive up to 1,500 tonnes per year per generator of out of region waste and international waste; and
    - ii. apply the Special Handle Waste tipping fee of \$250 per tonne to Out of Region Waste.
  - b) give first, second and third reading to *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020*; and
  - c) pass and finally adopt *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020*.
2. That the GVS&DD Board receive the report dated February 7, 2020, titled “Disposal of Out of Region Waste and International Waste at the Waste-to-Energy Facility” and provide alternate direction to staff.

## **FINANCIAL IMPLICATIONS**

If the Board approves Alternative 1, changes to the Tipping Fee Bylaw delegating authority to the General Manager of Solid Waste Services to approve requests to dispose up to 1,500 tonnes per year per generator of out of region waste and international waste would be effective March 1, 2020.

The Waste-to-Energy Facility currently processes approximately 6,500 tonnes per year of special handle waste at a rate of \$250 per tonne as specified in the Tipping Fee Bylaw. The out of region waste would be received at the special handle waste fee of \$250 per tonne. The special handle waste fee is higher than the tipping fee for typical municipal solid waste that ranges from \$99 per tonne to \$147 per tonne depending on the size of the load. Municipalities pay \$113 per tonne. The quantity of out of region and international waste that will be received with the proposed change is uncertain, but is unlikely to substantially increase the amount of special handle waste delivered to the Waste-to-Energy Facility.

If the Board approves Alternative 2, approval practices for out of region waste and international waste will not change.

## **CONCLUSION**

The Waste to Energy Facility is a cost effective and environmentally sustainable method to manage waste remaining after waste reduction and recycling, and is the preferred option for disposal of materials requiring immediate and secure destruction. Under the Tipping Fee Bylaw, the Board has approval authority for out of region waste and international waste. Metro Vancouver periodically receives requests to dispose of out of region waste and international waste for a variety of reasons. Staff recommend Alternative 1 that authority to approve requests to dispose of up to 1,500 tonnes per year per generator of out of region waste and international waste be delegated to the General Manager of Solid Waste Services. The fee for out of region waste would be set at the special handle waste tipping fee of \$250 per tonne.

### **Attachments** (*Orbit #36953574*)

1. GVS&DD Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw 336, 2020 - 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. 336, 2020**

**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 (“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 Greater Vancouver Sewerage and Drainage District Board enacts as follows:

- 1.0 The “Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 306, 2017” (the “Bylaw”) is hereby amended as follows:
  - 1.1 In Section 3.1 of the Bylaw the following definitions are inserted alphabetically:
    - “**MVRD**” means the Metro Vancouver Regional District;
    - “**Out of Region Waste**” means Municipal Solid Waste that is originating from outside the geographic area of the MVRD but is not International Waste;
  - 1.2 In Section 3.1 of the Bylaw the definition of “Special Handle Waste” is hereby deleted and replaced with the following:
    - “**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;
  - 1.3 Section 4.2 of the Bylaw is hereby deleted and replaced with the following:
    - 4.2 No person shall dispose of Municipal Solid Waste at a Disposal Site unless it originates from within the geographic area of the MVRD.
  - 1.4 Section 4.3 of the Bylaw is hereby deleted and replaced with the following:
    - 4.3 Despite section 4.2, acceptance at a Disposal Site of Out of Region Waste and International Waste may be approved:
      - (a) by the Manager for quantities up to 1,500 tonnes per waste generator at the point of generation per 12-month period; or

(b) by the Board for quantities greater than 1,500 tonnes per waste generator at the point of generation per 12-month period;

1.5 Section 5.16(a) of the Bylaw is hereby deleted and replaced with the following:

(a) the community clean-up project is conducted within the geographic area of any MVRD member municipalities;

2.0 The official citation for this bylaw is "Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Amendment Bylaw No. 336, 2020".

3.0 This bylaw comes into force and takes effect March 1, 2020.

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

Passed and finally adopted this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Sav Dhaliwal, Chair

\_\_\_\_\_  
Chris Plagnol, Corporate Officer

springs, that was used as a bed or as support for a bed;

**"Municipal Garbage"** means:

- (i) Loads that contain any Municipal Solid Waste collected from single family residences, whether or not mixed with other types of Municipal Solid Waste, and collected by local government, their contractors or by entities contracting directly with individual households where such collection occurs on a regular basis (typically: weekly, every two weeks or monthly); or
- (ii) Loads of Municipal Solid Waste collected by local government staff from local government owned premises, such as parks, streets or public buildings;

*Added by Bylaw 312, 2018*

**"Mixed Municipal Solid Waste"** means refuse that originates from residential, commercial or institutional sources, or any combination of waste or refuse from these sources and other sources, but does not include Source-Separated Recyclable Material or Construction and Demolition Waste;

**"Municipal Solid Waste"** means Refuse that originates from residential, light industrial, commercial, institutional, demolition, land clearing or construction sources or Refuse specified to be included in the GVS&DD's solid waste management plan pursuant to the *Environmental Management Act*;

**"MVRD" means the Metro Vancouver Regional District;**

**"Noxious Weeds"** means the weeds designated as noxious weeds in Part I and Part II of Schedule A of the Weed Control Regulation, B.C. Reg. 143/2011 but excludes Giant Hogweed (*Heracleum Mantegazzianum*) and Spurge Laurel (*Daphne Laureola*);

**"Out of Region Waste" means Municipal Solid Waste that is originating from outside the geographic area of the MVRD but is not International Waste;**

**"Peak Hours"** means from 10:00 am to 2:00 pm on Monday to Friday, excluding statutory holidays;

*Added by Bylaw 308, 2017*

**"Person"** includes natural persons, as well as businesses, households, strata corporations, institutions, non-profit societies, and corporations;

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

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

**"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.

**"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;

*Replaced by Bylaw 312, 2018; Added by Bylaw 308, 2017*

**"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;

**"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 Disposal Site, as set out in Table 4 of Schedule "B" of this Bylaw;

*Replaced by Bylaw 308, 2017*

**"Tipping Fee"** means the fee charged by the GVS&DD for disposing of Garbage or Special Handle Waste at Disposal Sites, 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 disposed of at Disposal Sites, 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;
- (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.

*Replaced by Bylaw 308, 2017*

**"Waste Hauler"** has the same meaning as in the Act; and

**"Weight Only Ticket"** means a document provided at the scale house that records only the weight of the particular Load brought to a Disposal Site.

#### **4.0 Restrictions and Prohibitions**

4.1 No person shall dispose of anything at a Disposal Site except in accordance with this Bylaw.

4.2 No person shall dispose of Municipal Solid Waste at a Disposal Site unless it originates from within the geographic area of the MVRD GVS&DD.

4.3 Despite section 4.2, ~~the Board may authorize~~ acceptance at a Disposal Site of Out of Region Waste Municipal Solid Waste that originates from outside the geographic area of the GVS&DD, including and International Waste may be approved:-

(a) by the Manager for quantities up to 1,500 tonnes per waste generator at the point of generation per 12-month period; or

(b) by the Board for quantities greater than 1,500 tonnes per waste generator at the point of generation per 12-month period;

4.4 No person shall dispose of any Loads that emit odours, fumes or particulate matter (such as dust) that cause or are capable of causing material discomfort to a person at a Disposal Site, except that where expressly authorized by the Manager such Loads may be disposed of at the Waste-to-Energy Facility.

4.5 No person shall dispose of any Loads dominated by oily materials, substances or objects at a Disposal Site, except that where expressly authorized by the Manager such Loads may be disposed of at the Waste-to-Energy Facility.

4.6 No person shall dispose of any Loads of Toxic Plants at a Disposal Site, except that where expressly authorized by the Manager such Loads may be disposed of at the Waste to Energy



- 5.12 Every person who enters a Disposal Site with an Unsecured Load must pay a Surcharge in the amount set out in Table 4 of Schedule "B" of this Bylaw.
- 5.13 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.
- 5.14 Where a single Load is subject to multiple Surcharges, the Surcharge with the highest value will apply for the weight of the entire Load.
- 5.15 Despite anything else in this Bylaw, in advance of any person transporting a single Load or multiple Loads to a Disposal Site, 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.
- 5.16 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 Disposal Site by a non-profit or volunteer group resulting from a community clean-up project, provided that:
- (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 Disposal Site at the time of disposal.
- 5.17 The weigh scales at Disposal Sites 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.