

**METRO VANCOUVER REGIONAL DISTRICT  
ZERO WASTE COMMITTEE**

**MEETING**

**Thursday, July 3, 2025**

**1:00 pm**

**28<sup>th</sup> Floor Committee Room, 4515 Central Boulevard, Burnaby, British Columbia**

**Webstream available at <https://www.metrovancover.org>**

**A G E N D A**

**A. ADOPTION OF THE AGENDA**

**1. July 3, 2025 Meeting Agenda**

That the Zero Waste Committee adopt the agenda for its meeting scheduled for July 3, 2025 as circulated.

**B. ADOPTION OF THE MINUTES**

**1. June 5, 2025 Meeting Minutes**

That the Zero Waste Committee adopt the minutes of its meeting held June 5, 2025 as circulated.

*pg. 8*

**C. DELEGATIONS**

**D. INVITED PRESENTATIONS**

**1. Andrea Reimer, Chair and the panel members of the Solid Waste Management Plan Independent Consultation and Engagement Panel**

*Subject: Solid Waste Management Plan Update – Idea Generation Engagement Summary Report*

**E. REPORTS FROM COMMITTEE OR CHIEF ADMINISTRATIVE OFFICER**

**1. Solid Waste Management Plan Goals and Hierarchy**

*pg. 12*

**Executive Summary**

Metro Vancouver is developing an updated solid waste management plan, building on the strengths of the current plan and identifying opportunities for accelerating waste reduction and recycling, reducing greenhouse gas emissions, and promoting a circular economy. Considering research and engagement feedback from prior phases of the plan update process, draft goals and a draft waste hierarchy for the updated plan were developed for consideration. The updated goals and hierarchy build on the goals and hierarchy of the existing solid waste management plan, and reflect a focus on waste prevention and transitioning to a circular economy. Unlike in the current solid waste management plan, both waste-to-energy and landfill are considered disposal in the updated hierarchy. Recovery from the waste stream includes both material recovery and creating alternatives to fossil fuels.

The updated goals and hierarchy outline the long-term aims of the plan and provide an organizing structure for actions and strategies. Both member jurisdiction staff and external advisory committees have been engaged in the development of the draft goals and hierarchy.

**Recommendation**

That the GVS&DD Board approve the goals and hierarchy for an updated regional solid waste management plan as presented in the report dated June 20, 2025, titled “Solid Waste Management Plan Goals and Hierarchy”.

**2. Solid Waste Management Plan Update – Idea Generation Engagement Summary**

*pg. 24*

**Executive Summary**

Metro Vancouver is a North American leader in waste reduction and recycling, having achieved a 65% recycling rate – roughly twice the Canadian average. Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan and identifying opportunities to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update is supported by a robust and inclusive engagement process.

In 2024, Metro Vancouver completed the idea generation phase of engagement, contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report (Reference 1) describes key potential strategies and actions identified through engagement such as improving consistency and compliance in multi-family buildings; expanding infrastructure for repair and reuse; increasing accessible and multilingual communications; and using financial and regulatory mechanisms to encourage waste reduction and recycling.

The ideas gathered through engagement are being compiled and considered using a set of criteria, resulting in a draft set of strategies and actions for further refinement through the next phase of engagement: options analysis.

**Recommendation**

That the GVS&DD Board receive for information the report dated June 24, 2025, titled “Solid Waste Management Plan Update – Idea Generation Engagement Summary”.

**3. DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services**

*pg. 33*

**Executive Summary**

The DRAFT Five Year Capital Plan for Solid Waste Services has been prepared following direction received at the April 9, 2025, Board Budget Workshop to prepare the Financial Plan by implementing potential operational cost savings and proceed through the 2026 budget cycle with household impact (HHI) targets as follows: 2026 at 2.5%, 2027 at 3.0%, 2028 at 5.0%, 2029 at 5.0%, and 2030 at 5.0%.

Solid Waste Services estimates capital spending is \$414.7M over the next five years with funding provided primarily through debt. Overall solid waste expenditures including debt services are funded through tipping fees. Key capital projects include various Waste-to-Energy Facility projects (district energy, acid gas reduction, biosolids processing and maintenance projects), and North Surrey and Langley recycling depot development and site reconfiguration. The acid gas reduction project has been included based on requirements in updates to the Waste-to-Energy Facility provincial Operational Certificate. The net change from the previous 5-year capital plan is an overall increase of \$74.7M.

**Recommendation**

That the Zero Waste Committee receive for information the report dated June 24, 2025, titled “DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services”.

**4. Award of RFP 24-509 for North Shore, United Boulevard, and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement**

*pg. 44*

**Executive Summary**

Halton Recycling Ltd. dba. Emterra Environmental (Emterra) proposal ranked highest overall, provided the lowest cost, had the highest technical score, and demonstrated the best overall value for Metro Vancouver.

The operations and maintenance services contract for the North Shore, United Boulevard and North Surrey recycling and waste centres expires on December 31, 2025. RFP 24-509 was issued on December 16, 2024, to five prequalified respondents of RFQ 24-075 and the procurement was executed in accordance with the terms and conditions of Metro Vancouver's Procurement Policy. The RFP 24-509 evaluation team have considered the three proposals received, and on that basis recommend that the GVS&DD award RFP 24-509 to Emterra.

The total contract cost of \$281,007,000 over the 7-year contract period includes allowances for Metro Vancouver's share of pass-thru charges from third party recycling facilities, maintenance work, annual inflation adjustments, and waste flow fluctuations over the 7-year contract term, and can be accommodated within the Financial Plan.

**Recommendation**

That the GVS&DD Board:

- a) approve the award of RFP 24-509 for North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement in the amount of up to \$281,007,000 (excluding taxes) to Halton Recycling Ltd. dba. Emterra Environmental, for a term of seven (7) years, subject to final review by the Commissioner; and
- b) authorize the General Manager, Procurement, and Real Estate to execute the required documentation once the General Manager, Procurement, and Real Estate are satisfied that the award should proceed.

**5. Award of RFP 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement**

*pg. 48*

**Executive Summary**

GFL Environmental Inc.'s (GFL) proposal had a high technical score and demonstrated good value for Metro Vancouver.

The operations and maintenance services for the Maple Ridge and Langley recycling and waste centres are currently contracted to GFL, with the existing contract expiring on December 31, 2025. The GVS&DD initiated a procurement in 2024 for a new contract commencing on January 1, 2026.



RFP 24-510 was issued on March 28, 2025, to five prequalified respondents of RFQ 24-075 for Operation and Maintenance of Recycling and Waste Centres and the procurement was executed in accordance with the terms and conditions of Metro Vancouver's Procurement Policy. The RFP 24-510 evaluation team have considered the GFL proposal, and on that basis recommend that the GVS&DD award RFP 24-510 to GFL.

The total contract cost of \$38,778,000 includes allowances for Metro Vancouver's share of pass-thru charges from third party recycling facilities, maintenance work, annual inflation adjustments, and waste flow fluctuations over the 7-year contract term, and can be accommodated within the Financial Plan.

**Recommendation**

That the GVS&DD Board:

- a) approve the award of RFP No. 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement, in the amount of up to \$38,778,000 (exclusive of taxes) to GFL Environmental Inc., for a term of seven (7) years, subject to final review by the Commissioner; and
- b) authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate are satisfied that the award should proceed.

**6. Waste-to-Energy Facility Environmental Monitoring and Reporting 2024 Update**

*pg. 52*

**Executive Summary**

This report provides the Waste-to-Energy Facility environmental performance update for 2024.

All air emission related parameters monitored during 2024 were similar to 2023, and well below regulatory limits specified in the Waste-to-Energy Facility Provincial Operational Certificate. The Waste-to-Energy Facility's contributions of nitrogen dioxide, fine particulates, and anthropogenic (human caused) greenhouse gases are less than 1% of regional emissions. Emission data is reported to various regulatory agencies and posted on the Metro Vancouver website.

Calculated total greenhouse gas emissions from the facility declined by 9% in 2024 compared to 2023, likely due to variability in waste composition. The facility also generated greenhouse gas emissions offsets of approximately 2,000 tonnes CO<sub>2</sub>eq by using renewable natural gas and the recycling of metals.

**Recommendation**

That the Zero Waste Committee receive for information the report dated June 20, 2025, titled "Waste-to-Energy Facility Environmental Monitoring and Reporting 2024 Update".

**7. 2024 Waste Composition Data**

*pg. 64*

**Executive Summary**

Metro Vancouver's waste composition program includes a series of annual studies to learn about the types and quantities of waste disposed in the region. The 2024 full-scale study results suggest the following:

- Compostable organics, paper, plastic, and non-compostable organics, which include engineered wood products and natural fibre textiles, remain the top four components of residential and commercial/institutional garbage.
- Compostable organics remained the largest component of the waste stream, particularly in the multi-family sector.
- Compostable organics are trending downwards, decreasing by 19% per capita between 2021 and 2024.

Waste composition results are used to gauge progress, help identify program priorities, and to provide baseline data for the solid waste management plan update.

The waste composition study also assessed the quantity of single use items in the garbage, however further analysis is required to assess trends. A separate report with details on single-use items in the garbage will be provided to the Zero Waste Committee later in the year.

**Recommendation**

That the Zero Waste Committee receive for information the report dated June 23, 2025, titled "2024 Waste Composition Data".

**8. 2024 Disposal Ban Program Update**

*pg. 73*

**Executive Summary**

The disposal ban program encourages waste reduction and recycling through surcharges on garbage loads that contain banned materials above prescribed thresholds. Garbage loads are visually inspected to identify banned materials. Approximately 19% of the garbage loads received at Metro Vancouver and City of Vancouver solid waste facilities were inspected in 2024, and of those loads approximately 11% contained banned materials, with 2% receiving surcharges. Inspectors worked with customers to provide alternative recycling options to prevent more than 15,000 loads containing banned materials from being disposed. Corrugated cardboard, electronic waste and mattresses were the top three banned materials in loads receiving surcharges.

A pilot program is being developed to create incentives for haulers working with their customers to maximize recycling efforts at source, and also recognize processors that have taken all reasonable steps to eliminate recyclables from their garbage loads.

**Recommendation**

That the Zero Waste Committee receive for information the report dated June 17, 2025, titled “2024 Disposal Ban Program Update”.

**9. Manager's Report**

*pg. 80*

**Recommendation**

That the Zero Waste Committee receive for information the report dated June 24, 2025, titled “Manager’s Report”.

**F. INFORMATION ITEMS**

**1. Metro Vancouver’s 2025 Financial Performance Report No. 1**

*pg. 84*

**G. OTHER BUSINESS**

**H. 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.*

**I. ADJOURNMENT**

That the Zero Waste Committee adjourn its meeting of July 3, 2025.

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**Membership:**

Kirby-Yung, Sarah (C) – Vancouver  
Hodge, Craig (VC) – Coquitlam  
Calendino, Pietro – Burnaby  
Darling, Steve – Port Coquitlam

Ferguson, Steve – Langley Township  
Locke, Brenda – Surrey  
Muri, Lisa – North Vancouver District  
Wallace, Rosemary – Langley City

Weverink, Paul – Anmore  
Wolfe, Michael – Richmond  
Zhou, Lenny - Vancouver



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**METRO VANCOUVER REGIONAL DISTRICT  
ZERO WASTE COMMITTEE**

Minutes of the Regular Meeting of the Metro Vancouver Regional District (MVRD) Zero Waste Committee held at 1:03 pm on Thursday, June 5, 2025 in the 28<sup>th</sup> Floor Committee Room, 4515 Central Boulevard, Burnaby, British Columbia.

**MEMBERS PRESENT:**

Chair, Director Sarah Kirby-Yung, Vancouver  
Vice Chair, Director Craig Hodge, Coquitlam  
Director Pietro Calendino\*, Burnaby (arrived at 1:38 pm)  
Director Steve Ferguson, Langley Township  
Director Brenda Locke\*, Surrey  
Director Lisa Muri\*, North Vancouver District  
Councillor Rosemary Wallace, Langley City  
Councillor Paul Weverink, Anmore  
Councillor Michael Wolfe, Richmond  
Director Lenny Zhou, Vancouver

\*denotes electronic meeting participation as authorized by the *Procedure Bylaw*

**MEMBERS ABSENT:**

Councillor Steve Darling, Port Coquitlam

**STAFF PRESENT:**

Paul Henderson, General Manager, Solid Waste Services  
Morgan Mackenzie, Legislative Services Coordinator, Board and Information Services  
Andrew Doi, Environmental Planner, Solid Waste Services  
Alisha Drinkwater, Communications Specialist, Corporate Communications  
Alison Schatz, Senior Communications Specialist, Corporate Communications  
Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

**A. ADOPTION OF THE AGENDA****1. June 5, 2025 Meeting Agenda****It was MOVED and SECONDED**

That the Zero Waste Committee adopt the agenda for its meeting scheduled for June 5, 2025 as circulated.

**CARRIED**

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**B. ADOPTION OF THE MINUTES****1. April 3, 2025 Meeting Minutes****It was MOVED and SECONDED**

That the Zero Waste Committee adopt the minutes of its meeting held April 3, 2025 as circulated.

**CARRIED**

**C. DELEGATIONS**

No items presented.

**D. INVITED PRESENTATIONS**

No items presented.

**E. REPORTS FROM COMMITTEE OR CHIEF ADMINISTRATIVE OFFICER****1. 2025 Food Scraps Recycling Campaign “Food Scraps Aren’t Garbage” Results**

Report dated May 22, 2025, from Shellee Ritzman, Division Manager, Corporate Communications, and Alisha Drinkwater, Communications Specialist, Corporate Communications, updating the Zero Waste Committee on the results of the 2025 regional food scraps recycling campaign, “Food Scraps Aren’t Garbage”.

Alisha Drinkwater provided members with a presentation titled “2025 Food Scraps Recycling Campaign” which provided the Committee with the context, messaging, and results of the 2025 regional food scraps recycling campaign.

**It was MOVED and SECONDED**

That the Zero Waste Committee receive for information the report dated May 22, 2025, titled “2025 Food Scraps Recycling Campaign ‘Food Scraps Aren’t Garbage’ Results”.

**CARRIED**

**2. Solid Waste Management Plan Progress Update**

Report dated May 26, 2025, from Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services, updating the GVS&DD Board with an update on the status of the solid waste management plan update process.

Stephanie Liu provided members with a presentation titled “Solid Waste Management Plan Progress Update” which provided the Committee with an update on the phases of the Plan, the status of the phases, and the reporting timeline for the Committee.

1:38 pm Director Calendino arrived at the meeting.

**It was MOVED and SECONDED**

That the GVS&DD Board Receive for information the report dated May 26, 2025, titled "Solid Waste Management Plan Progress Update".

**CARRIED**

**3. Manager's Report**

Report dated May 27, 2025, from Paul Henderson, General Manager, Solid Waste Services, updating the Zero Waste Committee on the District Energy funding, the ongoing continuous improvements at Metro Vancouver Recycling and Waste Centres, Waste-to-Energy Facility Carbon Capture and Storage Report, and Canada Plastics Pact Knowledge and Insights Leadership Award.

Alison Schatz, Senior Communications Specialist, Corporate Communications, provided members with a presentation titled "2025 Single-Use Item Reduction Campaign Update" which provided the Committee with the background, examples of campaign materials, and the results of the regional campaign.

**It was MOVED and SECONDED**

That the Zero Waste Committee receive for information the report dated May 27, 2025, titled "Manager's Report".

**CARRIED**

**F. INFORMATION ITEMS**

No items presented.

**G. OTHER BUSINESS**

No items presented.

**H. 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.*

**It was MOVED and SECONDED**

That the Zero Waste Committee close its meeting scheduled for June 5, 2025 pursuant to section 226 (1) (a) of the *Local Government Act* and the *Community Charter* provisions as follows:

90 (1) A part of a council 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 municipality or another position appointed by the municipality.

**CARRIED**

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**I. ADJOURNMENT**

**It was MOVED and SECONDED**

That the Zero Waste Committee adjourn its meeting of June 5, 2025.

**CARRIED**

(Time: 2:21 pm)

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Morgan Mackenzie,  
Legislative Services Coordinator

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Sarah Kirby-Yung,  
Chair

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To: Zero Waste Committee

From: Terry Fulton, Senior Project Engineer, Solid Waste Services

Date: June 20, 2025

Meeting Date: July 3, 2025

Subject: **Solid Waste Management Plan Goals and Hierarchy**

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### **RECOMMENDATION**

That the GVS&DD Board approve the goals and hierarchy for an updated regional solid waste management plan as presented in the report dated June 20, 2025, titled “Solid Waste Management Plan Goals and Hierarchy”.

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### **EXECUTIVE SUMMARY**

Metro Vancouver is developing an updated solid waste management plan, building on the strengths of the current plan and identifying opportunities for accelerating waste reduction and recycling, reducing greenhouse gas emissions, and promoting a circular economy. Considering research and engagement feedback from prior phases of the plan update process, draft goals and a draft waste hierarchy for the updated plan were developed for consideration. The updated goals and hierarchy build on the goals and hierarchy of the existing solid waste management plan, and reflect a focus on waste prevention and transitioning to a circular economy. Unlike in the current solid waste management plan, both waste-to-energy and landfill are considered disposal in the updated hierarchy. Recovery from the waste stream includes both material recovery and creating alternatives to fossil fuels.

The updated goals and hierarchy outline the long-term aims of the plan and provide an organizing structure for actions and strategies. Both member jurisdiction staff and external advisory committees have been engaged in the development of the draft goals and hierarchy.

### **PURPOSE**

The purpose of this report is to seek approval from the GVS&DD Board on the draft goals and hierarchy for an updated solid waste management plan.

### **BACKGROUND**

On June 28, 2024, the GVS&DD Board approved the vision and guiding principles for an updated solid waste management plan following extensive engagement with First Nations, member jurisdictions, adjacent regional district staff, advisory committees, and the public. Subsequently, engagement on idea generation was launched to hear ideas from interested parties on potential actions and strategies to build on Metro Vancouver’s progress to accelerate waste reduction and recycling while reducing greenhouse gases and promoting a circular economy.



The following timeline shows the phases of the solid waste management plan update:



## GOALS AND HIERARCHY

The goals and hierarchy outline the long-term aims of the plan and communicate priorities for managing materials. The goals and hierarchy will also provide a structure under which strategies and actions are categorized. Goals are a required component of an updated solid waste management plan, as referenced in *A Guide to Solid Waste Management Planning* provided by the Province. Goals are meant to complement the hierarchy, which has been adapted from the Province's pollution prevention hierarchy. The updated goals and hierarchy build on the goals and hierarchy of the existing solid waste management plan and reflect a focus on waste prevention and transitioning to a circular economy. Unlike in the current solid waste management plan, waste-to-energy and landfill are both considered disposal, whereas energy recovery refers to recovering materials from the waste stream or creating alternatives to fossil fuels.

The goals and associated levels of the waste hierarchy are presented below.

Goals	Components	
1. Enable circular systems that preserve resources	<ul style="list-style-type: none"> <li>Design waste-free systems</li> <li>Transition to a circular economy</li> </ul>	Rethink
2. Minimize waste generation	<ul style="list-style-type: none"> <li>Prevent</li> <li>Use less</li> </ul>	Reduce
3. Keep materials in use as long as possible	<ul style="list-style-type: none"> <li>Share / Donate</li> <li>Repair / Refurbish</li> <li>Repurpose</li> </ul>	Reuse
4. Make it easier to recycle effectively	<ul style="list-style-type: none"> <li>Recycle into new products</li> <li>Compost and anaerobic digestion</li> </ul>	Recycle
5. Recover resources from non-recyclable materials	<ul style="list-style-type: none"> <li>Recover materials from the waste stream</li> <li>Create alternatives to fossil fuels</li> </ul>	Recover
6. Dispose only as a last resort	<ul style="list-style-type: none"> <li>Landfill and mass burn waste-to-energy</li> </ul>	Dispose

The following table describes key updates since the 2011 solid waste management plan:

Goal	Level of Waste Hierarchy	Key Updates from 2011 Solid Waste Management Plan
1. Enable circular systems that preserve resources	Rethink	The idea of transitioning to a circular economy has gained traction within the solid waste and recycling industry since the approval of the 2011 plan, which did not include “Rethink” as part of the hierarchy.
2. Minimize waste generation	Reduce	Metro Vancouver wishes to continue to minimize waste generation, which was also a goal in the 2011 plan.
3. Keep materials in use as long as possible	Reuse	The importance of reuse and repair lead to the creation of an updated goal. Reuse did not have a specific goal in the 2011 plan.
4. Make it easier to recycle effectively	Recycle	While the 2011 plan included a goal to maximize recycling, the updated goal reflects recycling properly rather than recycling as much as possible.
5. Recover resources from non-recyclable materials	Recover	Recover referred to waste-to-energy in the 2011 plan, however has shifted to focus on recovering energy and resources from waste streams that cannot currently be recycled.
6. Dispose only as a last resort	Dispose	Mass burn waste-to-energy is considered disposal in the updated hierarchy and goals, recognizing its primary purpose is managing garbage. The 2011 plan separated landfill and waste-to-energy into separate goals.

### Engagement Feedback

Feedback received during both the vision and guiding principles and the idea generation phases of plan development was considered in the goals and hierarchy. Key themes from engagement that influenced the development of the hierarchy are presented below.

Goal	What we heard
Enable circular systems that preserve resources (Rethink)	<ul style="list-style-type: none"> <li>• Support the shift from a linear to circular model of production and consumption</li> <li>• Promote circular product design</li> <li>• Rethink waste rather than simply reducing it</li> </ul>
Minimize waste generation (Reduce)	<ul style="list-style-type: none"> <li>• Waste prevention should be a priority of the updated plan</li> </ul>

Goal	What we heard
	<ul style="list-style-type: none"> <li>Promote mindful consumer behaviour</li> <li>Reduce wasted food, excess packaging and single-use items</li> </ul>
Keep materials in use as long as possible (Reuse)	<ul style="list-style-type: none"> <li>Scale up repair and reuse infrastructure</li> <li>Promote reusable and repairable products</li> <li>Encourage sharing and donation</li> </ul>
Make it easier to recycle effectively (Recycle)	<ul style="list-style-type: none"> <li>Strengthen public understanding of recycling to promote participation and reduce contamination</li> <li>Expand opportunities to access recycling services</li> <li>Improve consistency of recycling systems</li> </ul>
Recover resources from non-recyclable materials (Recover)	<ul style="list-style-type: none"> <li>Prioritize recycling of materials over using material to create energy</li> <li>Don't count material used as fuel as recycling</li> </ul>
Dispose only as a last resort (Dispose)	<ul style="list-style-type: none"> <li>De-emphasize disposal as part of the updated plan</li> </ul>

Earlier versions of the draft goals and hierarchy were reviewed with member jurisdiction staff (via the Regional Engineers Advisory Committee and the Regional Engineers Advisory Committee Solid Waste Subcommittee), the Solid Waste Management Plan Public/Technical Advisory Committee, and the Solid Waste and Recycling Industry Advisory Committee. Feedback from these committees contributed to revisions to the draft goals and hierarchy, as described in Attachment 1. A number of members of the Public/Technical Advisory Committee suggested that any management of waste through combustion processes should not be included in the hierarchy. This would be inconsistent with Metro Vancouver's current approach to managing residual garbage, and inconsistent with the Provincial and Federal waste management hierarchies.

### **Additional Research**

In addition to engagement feedback, Metro Vancouver reviewed goals and hierarchies from external jurisdictions, the 2011 solid waste management plan, and the provincial *A Guide to Solid Waste Management Planning*, which recommends a provincial pollution prevention hierarchy but states that a locally relevant hierarchy can be used in its place.

### **Options Analysis**

The options analysis phase of the solid waste management plan update will focus on categorizing and evaluating ideas identified during idea generation engagement and through staff research to determine which strategies and actions become part of a draft updated solid waste management plan. Options analysis criteria based on provincial guidance, the Board Strategic Plan, and the vision & guiding principles of the updated solid waste management plan will be used to assess the suitability of potential strategies and actions. The criteria, incorporating revisions based on advisory committee feedback, are included as Attachment 2. The options analysis phase will also involve a discussion of metrics and targets to measure plan progress.

### **ALTERNATIVES**

1. That the GVS&DD Board approve the goals and hierarchy for an updated regional solid waste management plan as presented in the report dated June 20, 2025, titled “Solid Waste Management Plan Goals and Hierarchy”.
2. That the GVS&DD Board receive for information the report dated June 20, 2025 titled “Solid Waste Management Plan Goals and Hierarchy”.

### **FINANCIAL IMPLICATIONS**

Technical work and engagement on the solid waste management plan updated are included in the approved Solid Waste Services budget.

### **CONCLUSION**

The goals and hierarchy of the updated solid waste management plan were developed considering research and engagement on both vision and guiding principles and idea generation. The goals and hierarchy outline long-term aims to be achieved by the plan and provide a structure by which strategies and actions will be organized. The draft goals and hierarchy were presented to advisory committees in spring 2025 and subsequently updated to reflect feedback. The next phase of the plan update process will focus on evaluating ideas heard from previous phases to determine which actions will form part of the updated solid waste management plan.

### **ATTACHMENTS**

1. Development and Revision of Draft Goals and Hierarchy as a Result of Feedback.
2. Options Analysis Criteria.
3. Presentation re: Solid Waste Management Plan Goals and Hierarchy.

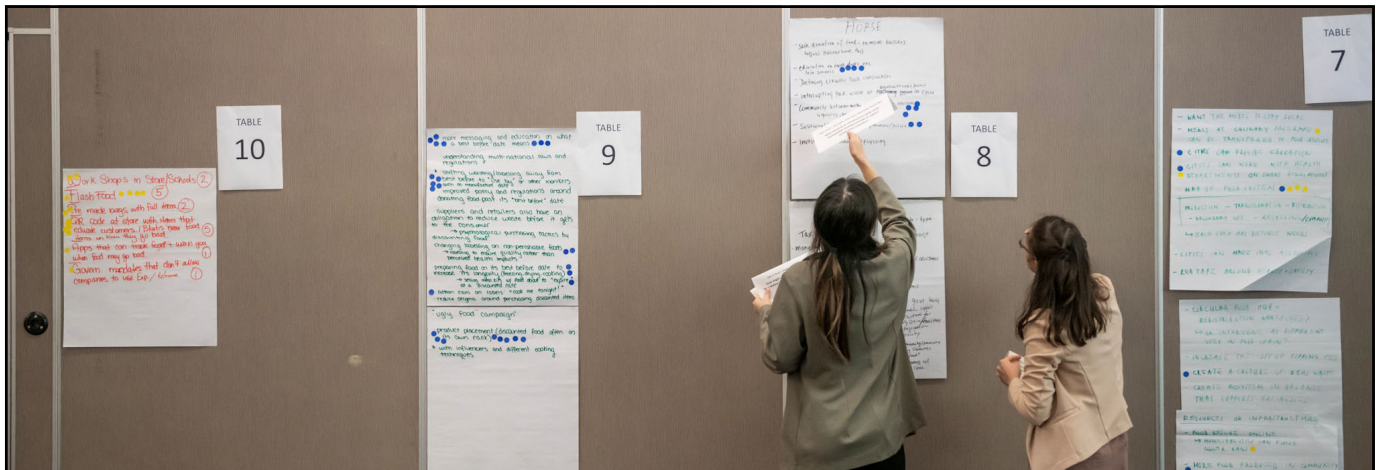
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## Development and Revision of Draft Goals and Hierarchy as a Result of Feedback

Initial Draft	Examples of Feedback Considered	Revised Draft
Prioritize waste prevention (Reduce) <ul style="list-style-type: none"> <li>Prevent</li> <li>Use Less</li> </ul>	<ul style="list-style-type: none"> <li>Circular economy is not called out enough and is so important – need a singular distinctive goal that supports a circular economy</li> <li>“Prioritize waste prevention” is very broad and could be broken into two goals</li> <li>More goals needed higher up the hierarchy</li> <li>Consider including “rethink” before prevent and reduce</li> <li>Have wording on how reducing waste is tracked</li> </ul>	Enable circular systems that preserve resources (Rethink) <ul style="list-style-type: none"> <li>Design waste-free systems</li> <li>Transition to a circular economy</li> </ul>
		Minimize waste generation (Reduce) <ul style="list-style-type: none"> <li>Prevent</li> <li>Use Less</li> </ul>
Keep materials in use as long as possible (Reuse) <ul style="list-style-type: none"> <li>Reuse for original purpose</li> <li>Repair</li> <li>Repurpose</li> </ul>	<ul style="list-style-type: none"> <li>Consider adding “Share” under reuse</li> <li>Unclear where under reuse food donation fits</li> <li>Distinction between “reuse for original purpose” and “repair” is unclear</li> </ul>	Keep materials in use as long as possible (Reuse) <ul style="list-style-type: none"> <li>Share/Donate</li> <li>Repair/Refurbish</li> <li>Repurpose</li> </ul>
Make it easier to recycle effectively (Recycle as Material)	<ul style="list-style-type: none"> <li>The proposed hierarchy doesn’t show where composting fits</li> <li>Composting and anaerobic digestion are not included</li> </ul>	Make it easier to recycle effectively (Recycle) <ul style="list-style-type: none"> <li>Recycle into new products</li> <li>Compost and anaerobic digestion</li> </ul>
Make it easier to recycle effectively (Recycle as Energy)	<ul style="list-style-type: none"> <li>“Recycle as energy” is confusing/not clear</li> <li>“Recycling for energy” isn’t actually recycling</li> <li>Recycling should be only for materials</li> <li>Materials are more valuable than energy</li> </ul>	Recover resources from non-recyclable materials (Recover) <ul style="list-style-type: none"> <li>Recover materials from the waste stream</li> <li>Create alternatives to fossil fuel</li> </ul>
Dispose of remaining garbage responsibly (Dispose) <ul style="list-style-type: none"> <li>Landfill and Waste-to-Energy</li> </ul>	<ul style="list-style-type: none"> <li>Goal to prevent as much disposal as possible seems to be missing</li> <li>There should be differentiation between waste-to-energy disposal vs. recycling for energy</li> </ul>	Dispose only as a last resort (Dispose) <ul style="list-style-type: none"> <li>Landfill and mass burn waste-to-energy</li> </ul>

## Options Analysis Criteria

General		
<ul style="list-style-type: none"> <li>• Practicality of Implementation</li> <li>• Accountability</li> <li>• Transparency</li> </ul>		<ul style="list-style-type: none"> <li>• Consistency/ harmonization</li> <li>• Collaboration</li> <li>• Resilience</li> </ul>
Economic	Environment	Social
<ul style="list-style-type: none"> <li>• Affordability</li> <li>• Economic prosperity</li> <li>• Innovation</li> </ul>	<ul style="list-style-type: none"> <li>• Circularity</li> <li>• Waste reduction</li> <li>• Greenhouse gas emissions reduction</li> <li>• Environmental stewardship</li> </ul>	<ul style="list-style-type: none"> <li>• Inclusion</li> <li>• Convenience</li> <li>• Community participation</li> <li>• Supports waste prevention habits and actions</li> </ul>



Zero Waste Conference 2023

# Solid Waste Management Plan Update

## DRAFT GOALS AND HIERARCHY

Terry Fulton, P.Eng.

Senior Project Engineer, Solid Waste Services

Zero Waste Committee, July 3, 2025

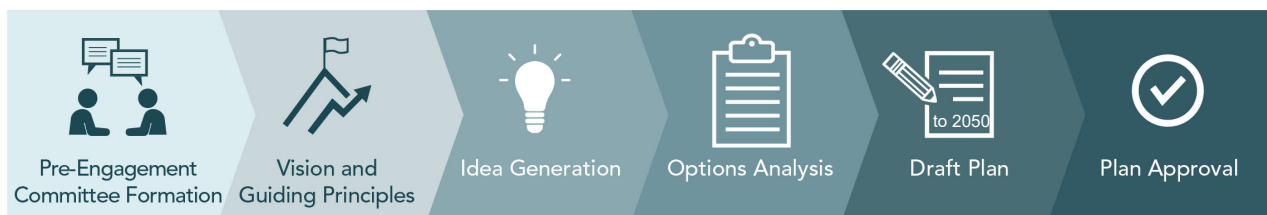
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## PROJECT TIMELINE UPDATE



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## PLAN COMPONENTS

### Vision & Guiding Principles

- Set the plan direction and reflect fundamental values

### Goals

- Long-term aims to be achieved as an outcome of the plan

### Metrics & Targets

- A way of measuring progress

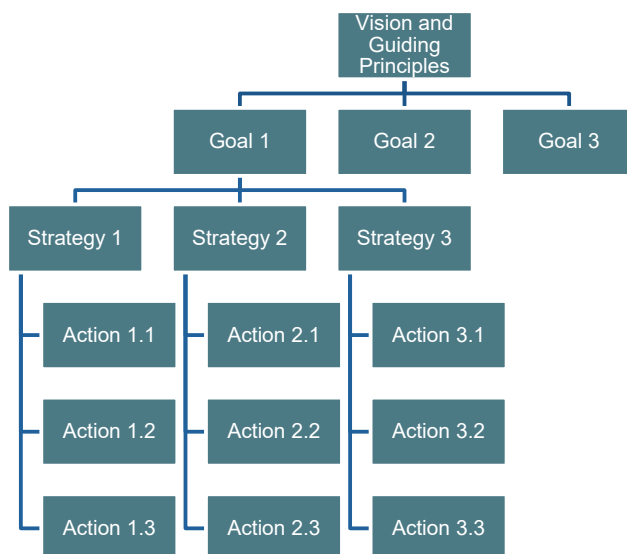
### Strategies & Actions

- Product of idea generation and options analysis

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## ORGANIZING THE PLAN



**Goals** – long term aims to be achieved as an outcome of the plan

**Strategies** – approaches to accomplish the plan goals

**Actions** – specific programs, policies and initiatives

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## DRAFT HIERARCHY AND GOALS

Goals	Components	
1. Enable circular systems that preserve resources	<ul style="list-style-type: none"> <li>Design waste-free systems</li> <li>Transition to a circular economy</li> </ul>	Rethink
2. Minimize waste generation	<ul style="list-style-type: none"> <li>Prevent</li> <li>Use less</li> </ul>	Reduce
3. Keep materials in use as long as possible	<ul style="list-style-type: none"> <li>Share / Donate</li> <li>Repair / Refurbish</li> <li>Repurpose</li> </ul>	Reuse
4. Make it easier to recycle effectively	<ul style="list-style-type: none"> <li>Recycle into new products</li> <li>Compost and anaerobic digestion</li> </ul>	Recycle
5. Recover resources from non-recyclable materials	<ul style="list-style-type: none"> <li>Recover materials from the waste stream</li> <li>Create alternatives to fossil fuels</li> </ul>	Recover
6. Dispose only as a last resort	<ul style="list-style-type: none"> <li>Landfill and mass burn waste-to-energy</li> </ul>	Dispose
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5

## CREATING THE DRAFT GOALS AND HIERARCHY

### Engagement Feedback

Goal	What we heard
Enable circular systems that preserve resources (Rethink)	<ul style="list-style-type: none"> <li>Support the shift from a linear to circular model of production and consumption</li> <li>Promote circular product design</li> <li>Rethink waste rather than simply reducing it</li> </ul>
Minimize waste generation (Reduce)	<ul style="list-style-type: none"> <li>Waste prevention should be a priority of the updated plan</li> <li>Promote mindful consumer behaviour</li> <li>Reduce wasted food, excess packaging and single-use items</li> </ul>
Keep materials in use as long as possible (Reuse)	<ul style="list-style-type: none"> <li>Scale up repair and reuse infrastructure</li> <li>Promote reusable and repairable products</li> <li>Encourage sharing and donation</li> </ul>
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## CREATING THE DRAFT GOALS AND HIERARCHY

### Engagement Feedback

Goal	What we heard
Make it easier to recycle effectively (Recycle)	<ul style="list-style-type: none"> <li>Strengthen public understanding of recycling to promote participation and reduce contamination</li> <li>Expand opportunities to access recycling services</li> <li>Improve consistency of recycling systems</li> </ul>
Recover resources from non-recyclable materials (Recover)	<ul style="list-style-type: none"> <li>Prioritize recycling of materials over using material to create energy</li> <li>Don't count material used as fuel as recycling</li> </ul>
Dispose only as a last resort (Dispose)	<ul style="list-style-type: none"> <li>De-emphasize disposal as part of the updated plan</li> </ul>

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## EVALUATION CRITERIA

### For developing options

General		
<ul style="list-style-type: none"> <li>Practicality of Implementation</li> <li>Accountability</li> <li>Transparency</li> </ul>	<ul style="list-style-type: none"> <li>Consistency/ harmonization</li> <li>Collaboration</li> <li>Resilience</li> </ul>	
Economic	Environment	Social
<ul style="list-style-type: none"> <li>Affordability</li> <li>Economic prosperity</li> <li>Innovation</li> </ul>	<ul style="list-style-type: none"> <li>Circularity</li> <li>Waste reduction</li> <li>Greenhouse gas emissions reduction</li> <li>Environmental stewardship</li> </ul>	<ul style="list-style-type: none"> <li>Inclusion</li> <li>Convenience</li> <li>Community participation</li> <li>Supports waste prevention habits and actions</li> </ul>

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To: Zero Waste Committee

From: Stephanie Liu, Program Manager, Community Engagement, Solid Waste Services

Date: June 24, 2025

Meeting Date: July 3, 2025

Subject: **Solid Waste Management Plan Update – Idea Generation Engagement Summary**

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### **RECOMMENDATION**

That the GVS&DD Board receive for information the report dated June 24, 2025, titled “Solid Waste Management Plan Update – Idea Generation Engagement Summary”.

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### **EXECUTIVE SUMMARY**

Metro Vancouver is a North American leader in waste reduction and recycling, having achieved a 65% recycling rate – roughly twice the Canadian average. Metro Vancouver is updating its solid waste management plan, building on the strengths of the current plan and identifying opportunities to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update is supported by a robust and inclusive engagement process.

In 2024, Metro Vancouver completed the idea generation phase of engagement, contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report (Reference 1) describes key potential strategies and actions identified through engagement such as improving consistency and compliance in multi-family buildings; expanding infrastructure for repair and reuse; increasing accessible and multilingual communications; and using financial and regulatory mechanisms to encourage waste reduction and recycling.

The ideas gathered through engagement are being compiled and considered using a set of criteria, resulting in a draft set of strategies and actions for further refinement through the next phase of engagement: options analysis.

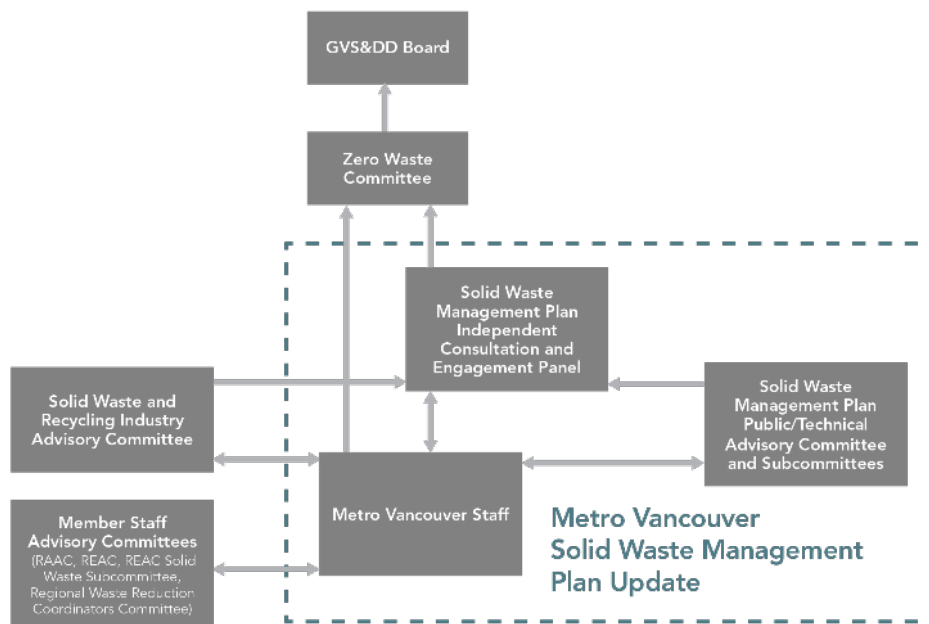
### **PURPOSE**

The purpose of this report is to provide the Zero Waste committee and GVS&DD Board with information on engagement feedback from the idea generation phase in 2024, related to updating the regional solid waste management plan.

## BACKGROUND

In November of 2019 the GVS&DD Board (Board) authorized initiating an update of the regional solid waste management plan. Subsequently, a Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) was formed to provide third-party expert advice on the development of a comprehensive and inclusive engagement process. Pre-engagement was completed in 2021 to receive feedback on how audiences prefer to be involved moving forward, and the Solid Waste Management Plan Public/Technical Advisory Committee and Solid Waste and Recycling Industry Advisory Committee were formed in 2022.

The following graphic depicts the various committees involved in providing input as the solid waste management plan is updated.



Engagement on vision and guiding principles took place in 2023, and in June 2024 the GVS&DD Board approved the resulting vision statement and guiding principles for an updated solid waste management plan, listed below. The idea generation phase launched shortly after that.

**Vision:** *A thriving region where nothing is wasted and resources are valued.*

**Guiding Principles:**

1. *A solid waste and recycling system that is affordable, convenient, and consistent across the region*
2. *A solid waste system that is resilient to climate change and future challenges*
3. *Accountability from residents, businesses and governments to prevent waste*
4. *Environmental stewardship and climate action*
5. *Inclusive solid waste services and programs*
6. *Innovation and collaboration to support a vibrant regional economy that keeps products and materials in circulation*
7. *Transparency about what happens to garbage and recycling*

The following timeline shows the multiple engagement phases of the solid waste management plan update process.



**IDEA GENERATION ENGAGEMENT**

During the idea generation phase in 2024, Metro Vancouver sought to hear from interested parties about potential actions and strategies that could be included in an updated solid waste management plan. These ideas will be evaluated in the subsequent phase, options analysis, by applying a set of criteria and conducting engagement on the draft strategies and actions.

Idea generation engagement activities were designed and carried out to reflect Metro Vancouver's commitment to delivering a robust and inclusive engagement process and to ensure voices from impacted residents and businesses in Metro Vancouver are considered. The engagement approach was also informed by guidance from an independent panel of engagement experts.

**Feedback**

Metro Vancouver heard from a wide range of audiences including First Nations, member jurisdictions, neighbouring regional districts, hospitality and food retail sectors, health authorities, not-for-profit organizations, and the public. Feedback from each meeting, workshop, or conversation was recorded and compiled in a feedback log consisting of nearly 3,000 discrete lines of data.

The feedback was analyzed and organized into 13 categories. The engagement summary report (Reference 1) provides detail about the types of ideas falling under these categories, and Metro Vancouver's response. Many of the comments were already incorporated in the vision and guiding principles for the draft plan, other comments helped to inform draft goals and a draft waste hierarchy for an updated plan, and other comments were identified as potential strategies and actions to consider as part of the options analysis phase. The feedback log (Reference 2) provides a full record of engagement feedback.

Feedback that represented ideas for strategies and actions were identified; that data has been consolidated, and is undergoing further evaluation using a set of criteria, developed based on the Board Strategic Plan, the vision and guiding principles, and engagement feedback. The resulting short list of strategies and actions, along with the full list of ideas from idea generation, will be shared publicly during the options analysis phase of engagement.

Below is a snapshot of the categories of feedback, listed alphabetically:

- **Accessibility and inclusivity** to achieve equity in waste systems by addressing barriers users may experience.
- **Accountability and transparency** for residents to understand what happens to their waste and recycling, including providing detailed data and clearer definitions.
- **Affordability, convenience, and consistency** including better support for multi-family buildings, consistent services across the region, and simplified infrastructure.
- Shifting towards a **circular economy**, including promoting circular product and packaging design, and expanding infrastructure and programs for repair and reuse.
- **Collaboration** through stronger partnerships across jurisdictions and sectors to share knowledge and drive systems change.
- **Education, engagement, and awareness** by using clear, accessible, and multilingual communications to increase public understanding and participation in waste reduction.
- **Environmental stewardship and climate action**, linking waste reduction to greenhouse gas emission reduction and sustainable resource management.
- **Infrastructure and capacity**, including suggestion for decentralized systems and expanding capacity to accommodate long-term needs.
- **Innovation and technology**, including ideas on using artificial intelligence and smart tools to improve sorting, reduce contamination, and enhance user experience.
- **Markets and economy**, including the need for stable recycling markets, ideas on tax incentives and rewards to promote recycling, and stronger engagement with businesses to scale circular solutions.
- Ideas on consistent **policy and regulation** across the region included expansion of extended producer responsibility programs, penalties for excess packaging, mandated recycling, and regulations on construction waste.
- Ideas for increasing participation and reducing contamination in **recycling and composting** programs included improved labelling, education, incentives, and regulation.
- **Waste prevention** was a top priority, with excess packaging, single-use items, and food waste being prominent topics discussed.

## Engagement Process

In 2024, Metro Vancouver engaged with local First Nations and member jurisdictions, adjacent regional districts, advisory committees, and the public to generate a set of potential actions and strategies for inclusion in the updated plan. These ideas will be evaluated in the upcoming phase: options analysis.

The engagement process was guided by a set of seven issue/opportunity discussion questions which were developed based on a review of the existing solid waste management plan, previous engagement feedback, and solid waste management statistics. These discussion questions served as a framework during idea generation engagement and were discussed by multiple audiences including member jurisdiction staff, adjacent regional districts, advisory committees, and the public. Some groups addressed one or two topics that were most relevant to their community or industry, while other groups addressed several or all of the topics:

*What actions can build on our success to:*

- *Rethink and prevent waste in the first place?*
- *Enhance accountability for eliminating waste?*
- *Leverage knowledge and expertise through collaboration?*
- *Increase participation and reduce contamination in organics and recycling programs?*
- *Promote confidence in recycling systems?*
- *Help us expand inclusive programs and services?*
- *Plan for future infrastructure and systems for waste management across the region?*

Metro Vancouver's overall approach to the idea generation phase was to meet audiences where they were. This meant providing accessible online engagement options, attending community events where people were already gathered, and working with not-for-profit organizations that had long-standing, established relationships with their membership or networks. In addition, Metro Vancouver had a dedicated engagement web page (Reference 3) with an online questionnaire that was open to the public.

### *First Nations, Member Jurisdictions, Neighbouring Regional Districts*

Metro Vancouver began Idea Generation engagement by sending letters to First Nations, member jurisdiction mayors and councils, and neighbouring regional district boards (Fraser Valley Regional District, Sunshine Coast Regional District, and Squamish-Lillooet Regional District) to describe this phase and invite participation.

Metro Vancouver received input from the Regional Engineers Advisory Committee, Regional Engineers Advisory Committee Solid Waste Sub-Committee, and the Regional Waste Reduction Coordinators' Committee through the Metro Vancouver Conference Day event, a workshop, and regular committee meetings. Metro Vancouver received feedback from neighbouring regional district staff through a virtual meeting and presented to the FVRD Board.



In July 2024, four local First Nations attended a joint meeting to discuss potential strategies, actions, and priority goals for the updated solid waste management plan. Meeting participants included representatives from the following local First Nations:

- q̓w̓a:ḥł̓əḥ (Kwantlen)
- k̓w̓ik̓w̓əł̓əm (Kwikwetlem)
- Sk̓wx̓wú7mesh Úxwumixw (Squamish)
- Semiahmoo

Feedback received at the July 2024 meeting included questions about the regional recycling rate, increasing services for repurposing materials and reducing plastic packaging, tracking the effectiveness of the plan update implementation and transparency of data, options for expanding existing solid waste facilities, and investment into new technologies for innovative solutions in renewable energy and reducing greenhouse gas emissions. Detailed feedback from First Nations will be provided to the Ministry of Environment and Parks.

#### *Solid Waste Management Plan Public/Technical Advisory Committee*

The Solid Waste Management Plan Public/Technical Advisory Committee chose to form working groups to contribute their feedback to the idea generation phase of the plan update. The chosen topics for three working groups were Construction and Demolition Waste Management, Food Waste and Organics Management, and Plastics Management. In addition, six regular committee meetings were held in 2024. Eighteen committee members participated in one or more working groups and each working group was led by a committee member chair. Staff provided administrative support to the working groups.

Working groups met several times, resulting in a final presentation and recommendations. Working group meeting notes and recommendations are published on the committee website (Reference 4). Some of the recommendations included setting waste reduction and collection targets including interim goals, embedding a construction zero waste hierarchy within Metro Vancouver's procurement and policies, and working across sectors and levels of government to improve food waste policies. The committee also had other opportunities at regular meetings to contribute feedback on idea generation to ensure committee members who were not a part of the working groups had a chance to provide feedback.

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

The Industry Advisory Committee elected to incorporate small group discussions into regular meetings to allow deeper focus on key topics related to the solid waste management plan update. Members also took part in two in-person workshops during the idea generation phase to contribute directly to the plan development. Feedback from this group demonstrated their commitment to leveraging solid waste management opportunities and innovative solutions for the region, highlighted the importance of public and private sector collaboration, and included ideas on planning, infrastructure, accountability, and education. Meeting notes, including small group feedback summaries, are available on the committee web page (Reference 5).

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*Public*

In fall 2024, staff engaged the public through various channels including an online questionnaire, community events, and opportunities to present directly to the Zero Waste Committee, Solid Waste Management Plan Public/Technical Advisory Committee, and Independent Consultation and Engagement Panel. Engagement was promoted through an e-blast, newspaper advertisements, QR codes on weigh scale receipts, and social media posts. Metro Vancouver received 228 responses to the online questionnaire and engaged 1,385 residents at community events, and 6,500 residents at the PNE who participated in an engagement activity.

Metro Vancouver made efforts to reach out to sectors, particularly those that are impacted by the solid waste management plan but have not participated in previous phases of the plan update process, including seniors, food retail and food service, construction and demolition, and multi-family housing. Four virtual dialogue sessions were facilitated with representatives from key sectors including food and beverage, health care, and tourism. Three interviews were held with representatives from housing and food retail sectors.

*Collaborative Engagement*

Metro Vancouver initially introduced the Collaborative Engagement program during the vision and guiding principles phase, offering funding and support to not-for-profit organizations to conduct engagement with their members or networks. To help reduce barriers for the participating organizations, Metro Vancouver provided a comprehensive toolkit of resources including materials to support engagement planning. The success of the program in its first year led Metro Vancouver to repeat the program during the idea generation phase, with a few improvements based on participant feedback in the previous year. These improvements included providing printable resources to ensure groups without access to technology could participate, simplifying technical language to increase accessibility, and increasing the amount of time for organizations to plan and schedule their engagement activities.

Through this program, Metro Vancouver heard from over 1,500 individuals from underrepresented or equity-denied communities. These participants were very grateful to be given the opportunity to contribute to the solid waste management plan update process and they would not be participating without this program. The program also took a non-directive approach for engagement, allowing participating organizations to decide what engagement activity would work for them and their audiences.

In 2024 Metro Vancouver worked with 16 organizations and reached over 650 residents. Participating organizations delivered engagement activities including workshops, questionnaires, focus groups, interviews, newsletters, a shoreline cleanup event, virtual forums, and social media engagement. The Collaborative Engagement program will continue in Fall 2025 during the options analysis phase.

More information can be found on the Collaborative Engagement web page (Reference 6).

**Solid Waste Management Plan Independent Consultation and Engagement Panel**

Metro Vancouver receives guidance from the Solid Waste Management Plan Independent Consultation and Engagement Panel (Engagement Panel) on the development and implementation of engagement on the solid waste management plan update. The Engagement Panel is an independent, third-party panel including: Andrea Reimer (Chair), Cheryl Brooks, Peter Fassbender, and Veronika Bylicki. Sarah Kirby-Yung, Metro Vancouver Board Director and Chair of the Zero Waste Committee, is the Zero Waste Committee liaison on the panel. In addition to providing advice during engagement planning and implementation, the public was invited to present directly to the Engagement Panel, offering an opportunity to provide feedback on the engagement process itself.

Below is a message provided directly by the Engagement Panel:

*The idea generation engagement summary is an important milestone in the work to build Metro Vancouver's next solid waste management plan, and the Panel is pleased to offer our comments on it.*

*As Zero Waste Committee members may remember from earlier submissions, through pre-engagement in the early stages of our work the Panel established three main tests by which to judge the effectiveness of engagement. These are (1) transparency of both the process and the information that staff are using to inform the process; (2) provision of multiple engagement avenues to allow participants to "right size" their participation, and (3) persistent innovation in reaching those that have not traditionally had effective pathways for participation, including First Nations and equity-denied groups.*

*In our opinion this most recent phase has met these tests through continuous innovation by staff of processes that support these outcomes. The engagement in the idea generation phase has also substantively addressed some general areas of focus we suggested in our last report to the Zero Waste Committee in June 2024, on the occasion of the vision and guiding principles engagement report. Specific items that have seen good progress in this phase of engagement:*

- We were heartened to see that diligent efforts to engage local First Nations resulted in a direct meeting with some First Nations, as well as ongoing efforts by Metro Vancouver to increase First Nations engagement with the creation and expansion of several working groups.*
- Specific sectors with high touchpoints on solid waste such as hospitality and tourism which have been difficult to engage, were the most engaged we've seen since this work began in 2020. Specific factors in this success are an expanded Collaborative Engagement program and through targeted outreach that builds*

*on the relationships staff have built in these sectors over the course of the engagement work.*

*Thank you for the opportunity to provide comments on this phase of engagement and we are happy to answer questions as they arise.*

## **ALTERNATIVES**

This is an information report. No alternatives are presented.

## **FINANCIAL IMPLICATIONS**

Engagement on the solid waste management plan update is included in the approved Solid Waste Services budget.

## **CONCLUSION**

Metro Vancouver is a North American leader in waste reduction and recycling. Through updating the regional solid waste management plan, it strives to further advance waste reduction and recycling, reduce greenhouse gas emissions, and promote a circular economy. The plan update process is supported by a robust and inclusive engagement process, going above and beyond provincial requirements. In 2024, Metro Vancouver completed the idea generation phase of engagement contributing to the development of potential strategies and actions, as well as draft goals and a draft waste hierarchy. An engagement summary report describes key potential strategies and actions identified through engagement, organized into categories. The ideas gathered through engagement are being consolidated and assessed using key criteria, to produce a draft set of strategies and actions for engagement in the next phase: options analysis.

## **REFERENCES**

1. Metro Vancouver. (2025). Solid Waste Management Plan Idea Generation Engagement Summary Report. <https://metrovancover.org/services/solid-waste/Documents/idea-generation-engagement-summary-report.pdf>.
2. Metro Vancouver. (2025). Solid Waste Management Plan Idea Generation Feedback Log. <https://metrovancover.org/services/solid-waste/Documents/idea-generation-phase-feedback-log.pdf>.
3. Metro Vancouver. (2025). Solid Waste Management Plan Update Web Page. <https://metrovancover.org/services/solid-waste/solid-waste-management-plan-update>.
4. Metro Vancouver. (2025). Solid Waste Management Plan Public/Technical Advisory Committee Web Page. <https://metrovancover.org/services/solid-waste/solid-waste-management-plan-public-technical-advisory-committee>.
5. Metro Vancouver. (2025). Solid Waste and Recycling Industry Advisory Committee Web Page. <https://metrovancover.org/services/solid-waste/solid-waste-and-recycling-industry-advisory-committee>.
6. Metro Vancouver. (2025). Solid Waste Management Plan Collaborative Engagement Web Page. <https://metrovancover.org/services/solid-waste/collaborative-engagement-program>.

To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: June 24, 2025

Meeting Date: July 3, 2025

Subject: **DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services**

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### **RECOMMENDATION**

That the Zero Waste Committee receive for information the report dated June 24, 2025, titled "DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services".

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### **EXECUTIVE SUMMARY**

The DRAFT Five Year Capital Plan for Solid Waste Services has been prepared following direction received at the April 9, 2025, Board Budget Workshop to prepare the Financial Plan by implementing potential operational cost savings and proceed through the 2026 budget cycle with household impact (HHI) targets as follows: 2026 at 2.5%, 2027 at 3.0%, 2028 at 5.0%, 2029 at 5.0%, and 2030 at 5.0%.

Solid Waste Services estimates capital spending is \$414.7M over the next five years with funding provided primarily through debt. Overall solid waste expenditures including debt services are funded through tipping fees. Key capital projects include various Waste-to-Energy Facility projects (district energy, acid gas reduction, biosolids processing and maintenance projects), and North Surrey and Langley recycling depot development and site reconfiguration. The acid gas reduction project has been included based on requirements in updates to the Waste-to-Energy Facility provincial Operational Certificate. The net change from the previous 5-year capital plan is an overall increase of \$74.7M.

### **PURPOSE**

To present to the Zero Waste Committee the DRAFT Solid Waste 2026 - 2030 Capital Plan for endorsement.

### **BACKGROUND**

On April 9, 2025, Metro Vancouver held a Board Budget Workshop seeking direction for the preparation of the 2026 - 2030 Financial Plan. This report provides the Zero Waste Committee with the information needed to provide comments on the DRAFT 2026-2030 Capital Plan which will then be incorporated into the 2026 - 2030 Financial Plan scheduled to be presented in October.

### **METRO VANCOUVER SOLID WASTE MANAGEMENT PLAN**

Metro Vancouver Solid Waste initiatives and expenditures within the DRAFT 2026 - 2030 Capital Plan over the five years are guided by the Solid Waste Management Plan's goals:

- **Goal 1:** Minimize waste generation
- **Goal 2:** Maximize reuse, recycling and material recovery
- **Goal 3:** Recover energy from the waste stream after material recycling
- **Goal 4:** Dispose of all remaining waste in landfill, after material recycling and energy recovery

### CAPITAL PLAN HIGHLIGHTS

The DRAFT 2026 - 2030 Capital Plan includes expenditures of \$41.0M for 2026 and a total of \$414.7M over the five-year budget cycle. There are 37 active projects planned in 2026 with Waste-to-energy Facility projects making up 55%. The 2026 expenditure is \$34.0M (45%) less than last year's projection for 2026.

The 2025-2029 capital plan included \$6.5 million for acid gas reduction. On April 4, 2025, the Provincial Ministry of Environment and Parks amended the Waste-to-Energy Facility Operational Certificate to require construction of acid gas reduction infrastructure by March of 2028. The 2026-2030 capital plan now includes the full expected \$100 million for this work.

Table 1 below outlines the key capital projects planned or ongoing in 2026 - 2030 for Solid Waste Services.

**Table 1.** Solid Waste Services Capital Projects in 2026 (\$ Millions)

Infrastructure Type	Project Name	Infrastructure Driver	Proposed 2026 Expenditure (\$M)
Landfill	Coquitlam Landfill Maintenance	Maintenance	6.6
Recycling and Waste Centres	Langley Recycling and Waste Centre Depot Development and Site Reconfiguration	Upgrade	8.3
Recycling and Waste Centres	Maple Ridge Recycling and Waste Centre Upgrades	Upgrade	0.8
Recycling and Waste Centres	Recycling and Waste Centre Maintenance	Maintenance	1.0
Recycling and Waste Centres	North Surrey Recycling and Waste Centre Depot Development and Site Reconfiguration	Upgrade	2.5
Waste To Energy Facility	Acid Gas Reduction	Upgrade	5.0
Waste To Energy Facility	Biosolids Processing	Resilience	5.0
Waste To Energy Facility	Waste-to-Energy Facility Maintenance	Maintenance	6.9
Waste To Energy Facility	Waste-to-Energy Facility District Energy	Resilience	5.0
<b>Total</b>			<b>41.0</b>

### Capital Development Plan Changes

Metro Vancouver's annual capital planning process allows the Board to adjust the capital budget once a year, in the fall, to accommodate changes required to fund projects in response to new or changing project needs, emerging issues, and changing priorities. The completion of multi-year projects is complex and subject to change due to a variety of factors including delays in construction timing caused by global events, escalation in construction costs, changes in scope and permitting processes.

The DRAFT 2026 - 2030 Capital Plan was increased from the 2025 – 2029 capital plan by \$74.7M. Most of the capital spending increase is as a result of the Provincial requirement to implement acid gas reduction plus the difference in expected expenditures between the year 2025 (outgoing year) and the year 2030 (incoming year). These increases were partially offset by capital plan adjustments as a result of timing and project phasing.

### Capital Plan Review Process

Solid Waste Services carefully reviewed the project schedules to accommodate any carryforwards and cost adjustments by deferring project phases, where possible. Throughout the capital planning process, Solid Waste Services staff review each project line to ensure efficient project timing, deliverability, and scope.

### ALTERNATIVES

This is an information report. No alternatives are presented.

### FINANCIAL IMPLICATIONS

Solid Waste Services estimates capital spending is \$414.7M over the next five years largely funded from debt. The overall Solid Waste Services budget including debt service is almost completely funded through garbage tipping fees. Key capital projects include various Waste-to-Energy Facility projects (district energy, acid gas reduction, biosolids processing and maintenance projects), and North Surrey and Langley recycling depot development and site reconfiguration. The net change from the previous 5-year capital plan is an overall increase of \$74.7M, largely due to the acid gas reduction project. The average estimated capital expenditure per year is approximately \$83M. See **Table 2** below.

**Table 2.** DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services

\$ Millions	DRAFT 5 YEAR CAPITAL PLAN (2026-2030)	2026 CAPITAL EXPENDITURES	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$414.69</b>	<b>\$40.95</b>	<b>\$111.25</b>	<b>\$87.49</b>	<b>\$73.55</b>	<b>\$101.45</b>

This report provides an opportunity for Zero Waste Committee feedback and input, which will then be incorporated into the 2026 Annual Operating Budget and Five-Year Financial Plan presentations to the Committees and the Board at the fall Board Budget Workshop.

**CONCLUSION**

The DRAFT 2026 - 2030 Capital Plan illustrates how Solid Waste Services supports the Solid Waste Management Plan and the financial impacts of these projects over the next five years. The guiding principles of the Capital Plan are minimize waste generation; maximize reuse, recycling and material recovery; recover energy from the waste stream after material recycling; and dispose of all remaining waste in landfill, after material recycling and energy recovery. The Capital Plan has been developed to advance Metro Vancouver efforts to actively achieve these four goals.

**ATTACHMENTS**

1. DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services.
2. Presentation re: DRAFT Five Year Capital Plan (2026-2030) Solid Waste Services.

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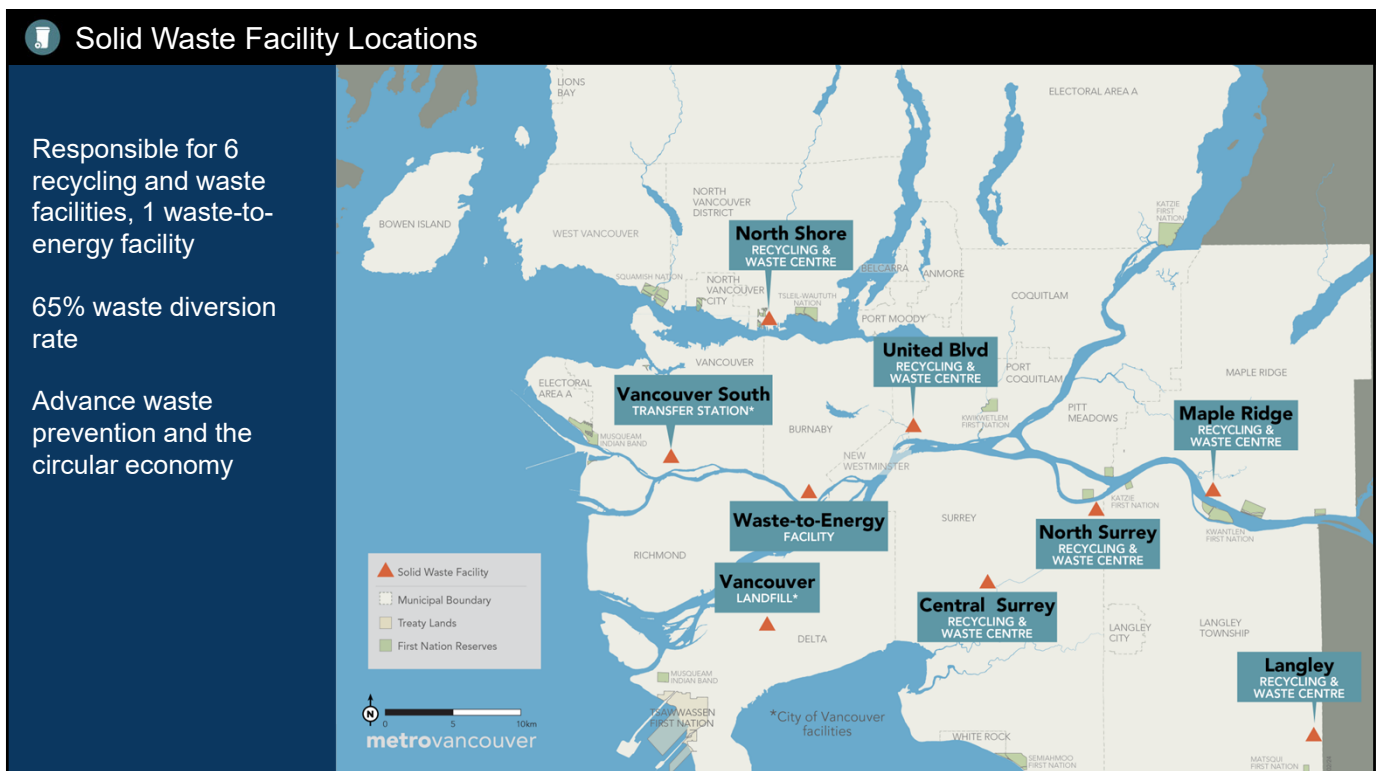


**GREATER VANCOUVER SEWERAGE AND DRAINAGE DISTRICT**  
**CAPITAL PORTFOLIO**  
**SOLID WASTE SERVICES**  
**DRAFT FIVE YEAR CAPITAL PLAN (2026 - 2030)**

	DRAFT 5 YEAR CAPITAL PLAN (2026-2030)	2026 CAPITAL EXPENDITURES	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
<b>CAPITAL EXPENDITURES</b>								
<b>Landfills</b>								
Coquitlam Landfill Maintenance	\$ 11,340,000	\$ 6,600,000	\$ 3,500,000	\$ 740,000	\$ –	\$ 500,000	Multiple	Maintenance
<b>Total Landfills</b>	<b>\$ 11,340,000</b>	<b>\$ 6,600,000</b>	<b>\$ 3,500,000</b>	<b>\$ 740,000</b>	<b>\$ –</b>	<b>\$ 500,000</b>		
<b>Recycling and Waste Centres</b>								
Langley Recycling and Waste Centre Depot Development and Site Reconfiguration	\$ 16,250,000	\$ 8,250,000	\$ 4,000,000	\$ 4,000,000	\$ –	\$ –	Construction	Upgrade
Maple Ridge Recycling and Waste Centre Upgrades	1,400,000	750,000	650,000	–	–	–	Construction	Upgrade
North Surrey Recycling and Waste Centre Depot Development and Site Reconfiguration	18,250,000	2,500,000	9,750,000	6,000,000	–	–	Construction	Upgrade
Recycling and Waste Centre Maintenance	10,000,000	1,000,000	4,500,000	3,500,000	500,000	500,000	Construction	Maintenance
Solid Waste Facility Land Purchase	100,000,000	–	–	–	40,000,000	60,000,000	Design	Resilience
Western Region Recycling and Waste Centre Replacement	5,000,000	–	–	–	–	5,000,000	Not Started	Maintenance
<b>Total Recycling and Waste Centres</b>	<b>\$ 150,900,000</b>	<b>\$ 12,500,000</b>	<b>\$ 18,900,000</b>	<b>\$ 13,500,000</b>	<b>\$ 40,500,000</b>	<b>\$ 65,500,000</b>		
<b>Waste To Energy Facility</b>								
Acid Gas Reduction	\$ 100,000,000	\$ 5,000,000	\$ 55,000,000	\$ 40,000,000	\$ –	\$ –	Design	Upgrade
Biosolids Processing	19,600,000	5,000,000	7,000,000	6,400,000	1,200,000	–	Construction	Resilience
Waste-to-Energy Facility Maintenance	34,250,000	6,850,000	6,850,000	6,850,000	6,850,000	6,850,000	Construction	Maintenance
Waste to Energy Facility District Energy Ph 1 and 2	98,600,000	5,000,000	20,000,000	20,000,000	25,000,000	28,600,000	Multiple	Resilience
<b>Total Waste To Energy Facility</b>	<b>\$ 252,450,000</b>	<b>\$ 21,850,000</b>	<b>\$ 88,850,000</b>	<b>\$ 73,250,000</b>	<b>\$ 33,050,000</b>	<b>\$ 35,450,000</b>		
<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$ 414,690,000</b>	<b>\$ 40,950,000</b>	<b>\$ 111,250,000</b>	<b>\$ 87,490,000</b>	<b>\$ 73,550,000</b>	<b>\$ 101,450,000</b>		
<b>SUMMARY BY DRIVER</b>								
Growth	\$ –	\$ –	\$ –	\$ –	\$ –	\$ –		
Maintenance	\$ 60,590,000	\$ 14,450,000	\$ 14,850,000	\$ 11,090,000	\$ 7,350,000	\$ 12,850,000		
Resilience	218,200,000	10,000,000	27,000,000	26,400,000	66,200,000	88,600,000		
Upgrade	135,900,000	16,500,000	69,400,000	50,000,000	–	–		
Opportunity	–	–	–	–	–	–		
<b>Total</b>	<b>\$ 414,690,000</b>	<b>\$ 40,950,000</b>	<b>\$ 111,250,000</b>	<b>\$ 87,490,000</b>	<b>\$ 73,550,000</b>	<b>\$ 101,450,000</b>		

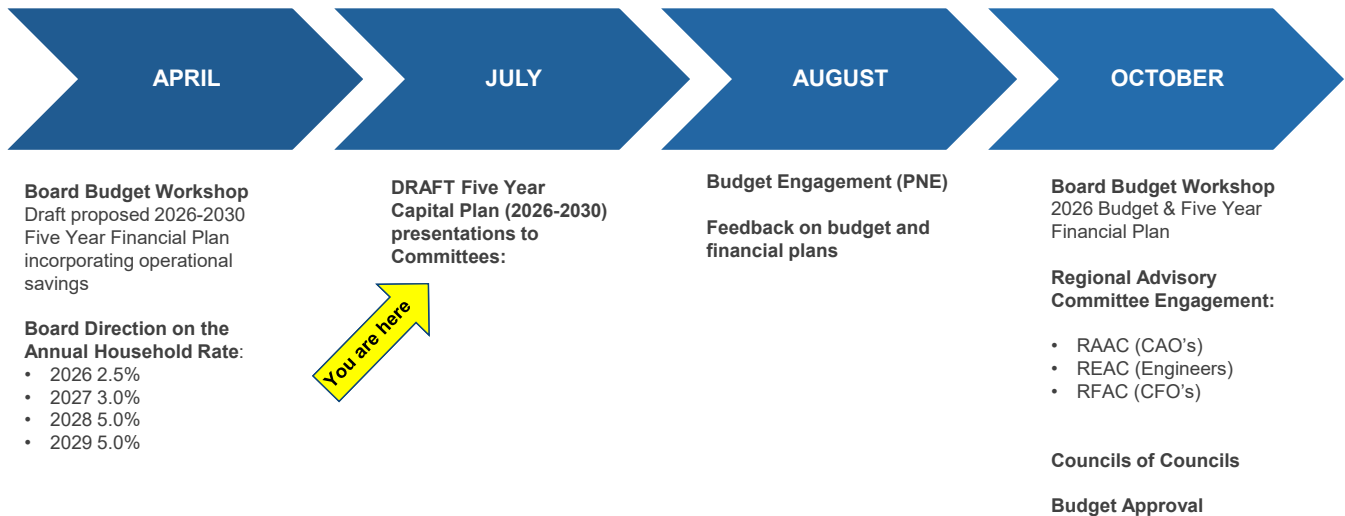


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## 2026-2030 FINANCIAL PLAN & ANNUAL BUDGET TIMELINE



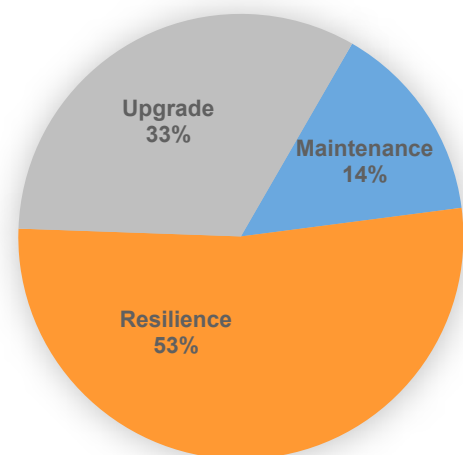
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## CAPITAL PLAN DRIVERS

Driver	Outcome	2026-2030 Capital Plan
Maintenance	Maintain assets in a state of good repair	\$60.6
Resilience	Minimize impacts resulting from seismic events and climate change	\$218.2
Upgrade	Enhance levels of service/Meet Regulatory Requirements	\$135.9
<b>Total</b>		<b>\$414.7</b>



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4

## SOLID WASTE SERVICES

**Total Capital Adjustments 2026-2030: \$74.7**



37 Projects in the Capital Plan

Driver	5 Year Capital Plan (2025-2029)	Draft 5 Year Capital Plan (2026-2030)	\$ Change	Key Projects
Maintenance	90.4	60.6	(29.8)	Waste to Energy Facility Coquitlam Landfill
Resilience	202.0	218.2	16.2	Waste to Energy Facility District Energy Biosolids Processing
Upgrade	47.7	135.9	88.2	North Surrey Recycling and Waste Centre Depot Langley Recycling and Waste Centre Depot Acid Gas Reduction
Total	340.0	414.7	74.7	

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## SOLID WASTE SERVICES

DRAFT 5 YEAR CAPITAL PLAN (2026 – 2030) CAPITAL PLAN EXPENDITURES

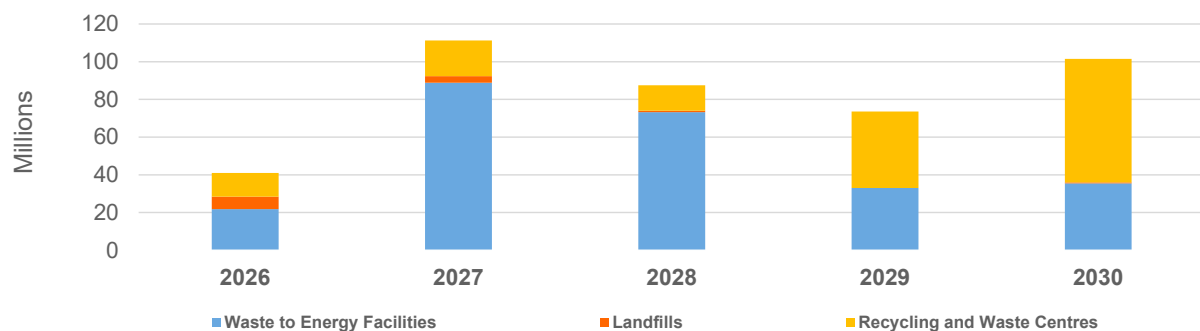
### Overview:

- 2026 - 2030 Capital Plan: \$414.7M
- 2026 Estimated Capital Expenditures: \$41.0M
- 37 projects

### Drivers:

- Waste to Energy Facility
  - Capital Replacement
  - District Energy
  - Acid Gas Reduction
- North Surrey and Langley Recycling Depots

Draft 5 Year Capital Plan (2026 – 2030) Solid Waste Services



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6

## KEY MAINTENANCE PROJECTS



- Waste-to-Energy Facility
- Coquitlam Landfill
- Recycling and waste centre maintenance

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7

## KEY RESILIENCE PROJECTS

- Biosolids Processing
- Waste-to-Energy Facility  
District Energy System



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8

## KEY UPGRADE PROJECTS



- North Surrey Recycling and Waste Centre depot development
- Langley Recycling and Waste Centre depot development
- Waste-to-Energy Facility: Acid Gas Reduction

## NEXT STEPS

1. Consider Committee comments on the 2026 – 2030 Capital Plan
2. Present revised 2026 – 2030 Capital Plan and 2026 Operating and Capital Budgets for Committee and Board consideration on October 22, 2025

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12





To: Zero Waste Committee

From: Chris Allan, Director, Solid Waste Operations, Solid Waste Services  
George Kavouras, Director, Procurement, Procurement & Real Estate Services

Date: June 24, 2025

Meeting Date: July 3, 2025

Subject: **Award of RFP 24-509 for North Shore, United Boulevard, and North Surrey  
Recycling and Waste Centres Operating and Maintenance Services Agreement**

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### **RECOMMENDATION**

That the GVS&DD Board:

- a) approve the award of RFP 24-509 for North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement in the amount of up to \$281,007,000 (excluding taxes) to Halton Recycling Ltd. dba. Emterra Environmental, for a term of seven (7) years, subject to final review by the Commissioner; and
  - b) authorize the General Manager, Procurement, and Real Estate to execute the required documentation once the General Manager, Procurement, and Real Estate are satisfied that the award should proceed.
- 

### **EXECUTIVE SUMMARY**

Halton Recycling Ltd. dba. Emterra Environmental (Emterra) proposal ranked highest overall, provided the lowest cost, had the highest technical score, and demonstrated the best overall value for Metro Vancouver.

The operations and maintenance services contract for the North Shore, United Boulevard and North Surrey recycling and waste centres expires on December 31, 2025. RFP 24-509 was issued on December 16, 2024, to five prequalified respondents of RFQ 24-075 and the procurement was executed in accordance with the terms and conditions of Metro Vancouver's Procurement Policy. The RFP 24-509 evaluation team have considered the three proposals received, and on that basis recommend that the GVS&DD award RFP 24-509 to Emterra.

The total contract cost of \$281,007,000 over the 7-year contract period includes allowances for Metro Vancouver's share of pass-thru charges from third party recycling facilities, maintenance work, annual inflation adjustments, and waste flow fluctuations over the 7-year contract term, and can be accommodated within the Financial Plan.

### **PURPOSE**

Pursuant to the GVS&DD Officers and Delegation Bylaw No. 284, 2014, and Board Policy No. FN-031, procurement contracts which exceed a value of \$10 million require the approval of the GVS&DD Board.



**Award of RFP 24-509 for North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement**

Zero Waste Committee Regular Meeting Date: July 3, 2025

Page 2 of 4

## **BACKGROUND**

The North Shore, North Surrey, and United Boulevard recycling and waste centres offer recycling and garbage disposal services to approximately 900,000 customers annually servicing many different customer types from small residential vehicles to large commercial vehicles. These three facilities are crucial as they collect over 50% of garbage within the region and offer a broad range of free and paid recycling services. These three facilities are grouped together under one contract due to the similarity of their services (namely the acceptance of large commercial vehicles) to allow for operational efficiencies while ensuring system redundancy through multiple operators across the six recycling and waste centres.

The operation and maintenance of the North Shore, United Boulevard, and North Surrey recycling and waste centres is currently contracted to Emterra. This agreement commenced on January 2, 2017, for a 7-year initial term that was extended by two (2) additional years, currently expiring on December 31, 2025.

Of the remaining three Metro Vancouver recycling and waste centres, the Maple Ridge and Langley recycling and waste centres are currently operated by GFL Environmental Inc. under a contract that expires at the end of 2025 and the Central Surrey Recycling and Waste Centre is operated by Emterra under a separate contract currently expiring December 31, 2030. A procurement process for operation and maintenance services for the Maple Ridge and Langley recycling and waste centers for the next term is being considered in a separate report to the Zero Waste Committee and Board.

## **PROCUREMENT SUMMARY**

RFQ 24-075 was issued on June 11, 2024, to prequalify proponents to participate in RFP 24-509. Seven proponents responded to RFQ 24-075 – five of those were shortlisted and invited to respond to RFP 24-509.

### **Request for Proposal 24-509 Submissions**

Proponents	Pricing (excluding taxes)
GFL Environmental Inc.	\$34,975,794
Halton Recycling Ltd. dba. Emterra Environmental	\$25,689,831
Miller Waste Systems Inc.	\$27,695,768

The above pricing is based on unit rates proposed by the proponents and annual quantities provided by Metro Vancouver for various materials or services included in the RFP for evaluation purposes. The total contract cost includes allowances for Metro Vancouver's share of pass-thru charges from third party recycling facilities, maintenance work, annual inflation adjustments, and waste flow fluctuations over the 7-year contract term.

**Award of RFP 24-509 for North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement**

Zero Waste Committee Regular Meeting Date: July 3, 2025

Page 3 of 4

Metro Vancouver received three proposals. All proposals submitted by the proponents were in compliance with the submission requirements. The compliant proposals were evaluated against technical requirements (50%), and commercial requirements (50%). Technical requirements were evaluated by Solid Waste Operations and commercial requirements were evaluated by Procurement.

After a comprehensive and detailed evaluation of the proposals the evaluation team concluded that the proposal submitted by Emterra ranked highest overall, provided the lowest cost, had the highest technical score, and demonstrated best value overall for Metro Vancouver. More specifically, the proposal demonstrated strong labour and financial security, incorporated opportunities for reduction of greenhouse gas emissions, and included plans that maximize recycling and reuse.

Negotiations with Emterra were conducted during May 2025. The maximum contract value, for the 7-year term expiring on December 31, 2032, will be \$281,007,000 . The contract value is based on unit rates proposed by Emterra and estimated tonnages over the 7-year term but also includes allowances to account for pass-thru charges from third party recycling facilities, maintenance work, and annual inflation adjustments. The table below provides an overview of the projected contract costs over the 7-year contract term.

<b>Item</b>	<b>Description</b>	<b>Total – 7-year term</b>
Emterra Price	Proponent’s submitted pricing, including estimated annual inflation adjustments, over the 7-year contract term	\$210,703,000
Pass-thru Costs, Maintenance, and Waste Flow Fluctuations	Allocation to account for Metro Vancouver’s share of pass-thru costs from other third-party recycling facilities, maintenance work cost, and waste flow fluctuations	\$70,304,000
Total	Maximum contract value	\$281,007,000

The RFP contemplates one or more extensions, up to a maximum of seven (7) additional years beyond the initial term, to the contract and, if exercised, the extensions will be executed in accordance with the Procurement and Asset Disposal Authority Policy (FN-031).

**Award of RFP 24-509 for North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement**

Zero Waste Committee Regular Meeting Date: July 3, 2025

Page 4 of 4

**ALTERNATIVES**

1. That the GVS&DD Board:
  - a) approve the award of RFP 24-509 for North Shore, United Boulevard, and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement in the amount of up to \$281,007,000 (excluding taxes) to Halton Recycling Ltd. dba. Emterra Environmental, for a term of seven (7) years, subject to final review by the Commissioner; and
  - b) authorize the General Manager, Procurement, and Real Estate to execute the required documentation once the General Manager, Procurement, and Real Estate are satisfied that the award should proceed.
2. That the GVS&DD Board receive the report dated June 24, 2025, titled, "Award of RFP 24-509 for North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement" for information.

**FINANCIAL IMPLICATIONS**

The final contract value with Emterra will depend on operating and maintenance requirements, waste flows, and contingencies. The proposed maximum \$281,007,000 contract award includes allocations for both operations as well as maintenance can be accommodated within the Financial Plan with the operational cost efficiencies found at the April 9 Board Budget Workshop. Future financial plans will need to account for added budgetary pressures if waste flows increase beyond current projections.

**CONCLUSION**

It is recommended that GVS&DD Board approve the award of RFP 24-509 North Shore, United Boulevard, and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement in the amount of up to \$281,007,000 (excluding taxes) to Halton Recycling Ltd. dba. Emterra Environmental for a term of 7-years subject to final review by the Commissioner and authorize the General Manager, Procurement, and Real Estate to execute the required documentation once the General Manager, Procurement, and Real Estate are satisfied that the award should proceed.

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To: Zero Waste Committee

From: Chris Allan, Director, Solid Waste Operations, Solid Waste Services  
George Kavouras, Director, Procurement, Procurement & Real Estate Services

Date: June 24, 2025 Meeting Date: July 3, 2025

Subject: **Award of RFP No. 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement**

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### RECOMMENDATION

That the Greater Vancouver Sewerage and Drainage Board:

- a) approve the award of RFP No. 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement, in the amount of up to \$38,778,000 (exclusive of taxes) to GFL Environmental Inc., for a term of seven (7) years, subject to final review by the Commissioner; and
  - b) authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate are satisfied that the award should proceed.
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### EXECUTIVE SUMMARY

GFL Environmental Inc.'s (GFL) proposal had a high technical score and demonstrated good value for Metro Vancouver.

The operations and maintenance services for the Maple Ridge and Langley recycling and waste centres are currently contracted to GFL, with the existing contract expiring on December 31, 2025. The GVS&DD initiated a procurement in 2024 for a new contract commencing on January 1, 2026.

RFP 24-510 was issued on March 28, 2025, to five prequalified respondents of RFQ 24-075 for Operation and Maintenance of Recycling and Waste Centres and the procurement was executed in accordance with the terms and conditions of Metro Vancouver's Procurement Policy. The RFP 24-510 evaluation team have considered the GFL proposal, and on that basis recommend that the GVS&DD award RFP 24-510 to GFL.

The total contract cost of \$38,778,000 includes allowances for Metro Vancouver's share of pass-thru charges from third party recycling facilities, maintenance work, annual inflation adjustments, and waste flow fluctuations over the 7-year contract term, and can be accommodated within the Financial Plan.

**PURPOSE**

Pursuant to the Greater Vancouver Sewerage and Drainage Officers and Delegation Bylaw No. 284, 2014 and Board Policy No. FN-031, procurement contracts which exceed a value of \$10 million require the approval of the Greater Vancouver Sewerage and Drainage Board.

**BACKGROUND**

The Maple Ridge and Langley recycling and waste centres offer recycling and garbage disposal services to approximately 140,000 customers annually, primarily servicing residential and small commercial vehicles. The two facilities are grouped together under one contract due to the similarity of their services to allow for operational efficiencies while ensuring system redundancy through multiple operators across the six recycling and waste centres.

The operation and maintenance of the Maple Ridge and Langley recycling and waste centres is currently contracted to GFL. This agreement commenced on January 2, 2017, for a 7-year initial term that was extended by two additional years, currently expiring on December 31, 2025.

Of the remaining four Metro Vancouver recycling and waste centres, the North Shore, North Surrey, and United Boulevard recycling and waste centres are currently operated by Halton Recycling Ltd. dba. Emterra Environmental (Emterra) under a contract that expires at the end of 2025. The Central Surrey Recycling and Waste Centre also is operated by Emterra under a separate contract currently expiring December 31, 2030. A procurement for operation and maintenance services for the North Shore, North Surrey, and United Boulevard recycling and waste centers for the next term is being considered in a separate report to the Zero Waste Committee and Board.

**PROCUREMENT SUMMARY**

RFQ No. 24-075 was issued on June 11, 2024, to prequalify proponents to participate in RFP No. 24-509 for the operation of North Shore, United Boulevard and North Surrey Recycling and Waste Centres Operating and Maintenance Services Agreement and RFP No. 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement. Seven (7) proponents responded to RFQ No. 24-075 for Operation and Maintenance of Recycling and Waste Centres, of those five (5) were shortlisted and invited to respond to RFP No. 24-510. To provide system resilience the procurement process was based on the principle that the proposed contractor for the North Shore, United Boulevard, and North Surrey recycling and waste centres would not be considered for the Langley and Maple Ridge recycling and waste centres. However, to ensure best value for Metro Vancouver, pricing for all proposals was reviewed.

**RFP No. 24-510 Submissions**

<b>Proponent(s)</b>	<b>Pricing (excluding taxes)</b>
GFL Environmental Inc.	\$3,266,071
Halton Recycling Ltd. (Emterra)	\$6,134,637

The above pricing is based on unit rates proposed by the proponent and annual quantities provided by Metro Vancouver for various materials or services included in the RFP for evaluation purposes. The total contract cost includes allowances for Metro Vancouver's share of pass-thru charges from third party recycling facilities, maintenance work, annual inflation adjustments, and waste flow fluctuations over the 7-year contract term.

Metro Vancouver received two (2) proposals. Halton Recycling Ltd. (Emterra) was not considered in this opportunity as they are the lead proponent in RFP No. 24-509. As Metro Vancouver seeks to maintain system redundancy and resiliency by having multiple contractors operate its facilities, both RFP 24-509 and RFP 24-510 included language indicating that the lead proponent from RFP No. 24-509 would not be eligible for RFP 24-510. The compliant proposal was evaluated against technical requirements (50%) and commercial requirements (50%). Technical requirements were evaluated by Solid Waste Services and commercial requirements were evaluated by Procurement.

After a comprehensive and detailed evaluation of the eligible compliant proposal, the evaluation team concluded that the proposal submitted by GFL Environmental Inc. had a high technical score and demonstrated good value overall for Metro Vancouver. More specifically, the proposal demonstrated the proponent's ability to deliver the required services while incorporating opportunities for reduction of greenhouse gas emissions.

Negotiations with GFL Environmental Inc. were completed on May 28, 2025, that resulted in minor changes to the terms of the contract and no change in contract value. The maximum contract value, for the 7-year term expiring on December 31, 2032, will be \$38,778,000. The contract value is based on unit rates proposed by GFL and estimated tonnages over the 7-year term but also includes allowances to account for pass-thru charges from third party recycling facilities, maintenance work, and annual inflation adjustments. The table below provides an overview of the projected contract costs over the 7-year contract term.

Item	Description	Total
GFL Price	Proponent's submitted pricing, including estimated annual inflation adjustments, over the 7-year contract term	\$26,460,000
Pass-thru Costs, Maintenance, and Waste Flow Fluctuations	Allocation to account for Metro Vancouver's share of pass-thru costs from other third-party recycling facilities, maintenance work, and waste flow fluctuations	\$12,318,000
Total	Maximum contract value	\$38,778,000

The RFP contemplates one or more extensions, up to a maximum of seven additional years beyond the initial term, to the contract and, if exercised, the extensions will be executed in accordance with the Procurement and Asset Disposal Authority Policy (FN-031).

**ALTERNATIVES**

1. That the GVS&DD Board:
  - a) approve the award of RFP No. 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement, in the amount of up to \$38,778,000 (exclusive of taxes) to GFL Environmental Inc., for a term of seven (7) years, subject to final review by the Commissioner; and
  - b) authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate are satisfied that the award should proceed.
2. That the GVS&DD Board receive the report dated June 24, 2025, titled, "Award of RFP 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement" for information.

**FINANCIAL IMPLICATIONS**

The final contract value with GFL will depend on operating and maintenance requirements, waste flows, and contingencies. The proposed maximum \$38,778,000 contract award includes allocations for both operations as well as maintenance can be accommodated within the Financial Plan with the operational cost efficiencies found at the April 9 Board Budget Workshop. Future financial plans will need to account for added budgetary pressures if waste flows increase beyond current projections.

**CONCLUSION**

It is recommended that Greater Vancouver Sewerage and Drainage Board approve the award of RFP No. 24-510 for Maple Ridge and Langley Recycling and Waste Centres Operating and Maintenance Services Agreement, in the amount of up to \$38,778,000 (exclusive of taxes) to GFL Environmental Inc. and authorize the General Manager, Procurement, and Real Estate to execute the required documentation once the General Manager, Procurement, and Real Estate are satisfied that the award should proceed.

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To: Zero Waste Committee

From: Sarah Wellman, Senior Engineer, Solid Waste Services

Date: June 20, 2025

Meeting Date: July 3, 2025

Subject: **Waste-to-Energy Facility Environmental Monitoring and Reporting 2024 Update**

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### **RECOMMENDATION**

That the Zero Waste Committee receive for information the report dated June 20, 2025, titled "Waste-to-Energy Facility Environmental Monitoring and Reporting 2024 Update".

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### **EXECUTIVE SUMMARY**

This report provides the Waste-to-Energy Facility environmental performance update for 2024.

All air emission related parameters monitored during 2024 were similar to 2023, and well below regulatory limits specified in the Waste-to-Energy Facility Provincial Operational Certificate. The Waste-to-Energy Facility's contributions of nitrogen dioxide, fine particulates, and anthropogenic (human caused) greenhouse gases are less than 1% of regional emissions. Emission data is reported to various regulatory agencies and posted on the Metro Vancouver website.

Calculated total greenhouse gas emissions from the facility declined by 9% in 2024 compared to 2023, likely due to variability in waste composition. The facility also generated greenhouse gas emissions offsets of approximately 2,000 tonnes CO<sub>2</sub>eq by using renewable natural gas and the recycling of metals.

### **PURPOSE**

The purpose of this report is to provide the Zero Waste Committee with an annual overview of the Waste-to-Energy Facility's environmental monitoring program and implementation of Provincial Operational Certificate requirements.

### **BACKGROUND**

Metro Vancouver continuously monitors the environmental performance of the Metro Vancouver Waste-to-Energy Facility and, since 2010, annual environmental performance summaries have been provided to the Zero Waste Committee.

This report provides updates on the facility's 2024 environmental performance. Annual reporting on the environmental performance of the Waste-to-Energy Facility is included in the Zero Waste Committee work plan.



## ENVIRONMENTAL MONITORING AND REPORTING UPDATE

Since the Waste-to-Energy Facility opened in 1988, Metro Vancouver has continually reduced emissions through assessment, operational and plant infrastructure improvements, and environmental controls. All air emission related parameters monitored during 2024 were in compliance with the requirements of Operational Certificate 107051.

To assess regulatory compliance, measurements from the environmental monitoring program are compared to the regulatory limits specified in the Waste-to-Energy Facility Operational Certificate 107051 issued by the BC Ministry of Environment and Climate Change Strategy. Results are reported in the following ways:

- Monthly compliance reports, which provide a summary of all air emissions monitoring results for each month, are provided to the BC Ministry of Environment and Parks, City of Burnaby, and Fraser Health Authority.
- Results of manual stack testing, conducted four times per year by an independent company, are provided to the BC Ministry of Environment and Parks, City of Burnaby, and Fraser Health Authority.
- Results from annual stack testing for semi-volatile organic compounds are provided to the BC Ministry of Environment and Parks, City of Burnaby, and Fraser Health Authority.
- Annual reporting of greenhouse gas emissions is provided to the BC Ministry of Environment and Parks and Environment and Climate Change Canada.
- Annual reporting of substances emitted into the air and contained in bottom ash and fly ash is provided to Environment and Climate Change Canada for the National Pollutant Release Inventory.

### Environmental Monitoring Program

The 2024 Waste-to-Energy Facility environmental monitoring program consisted of the following:

- Air Emissions Monitoring – Continuous Emission Monitoring System:
  - The Waste-to-Energy Facility is equipped with a real-time flue gas continuous emission monitoring system that measures and records emission parameters at the exit of the air pollution control plant 24 hours per day, seven days a week, using a United States Environmental Protection Agency certified and auditable tracking system.
  - The following parameters are measured: sulphur dioxide, nitrogen oxides, carbon monoxide, carbon dioxide, hydrogen chloride, total hydrocarbons, and opacity.
  - The following key operational parameters are also monitored: furnace temperature, total flue gas flow, flue gas moisture, and flue gas oxygen.
- Air Emissions Monitoring – Periodic Manual Stack Testing:
  - Triplicate tests are conducted four times per year on each of the three plant lines to measure particulate matter, trace metals, and hydrogen fluoride.
  - A single test is conducted annually on one boiler (rotating between boilers each year) in triplicate to monitor for semi-volatile organic compounds, including dioxins and furans, chlorobenzenes, chlorophenols, polychlorinated biphenyls, and polycyclic aromatic hydrocarbons.
  - Quarterly sampling in triplicate to determine the biogenic fraction of the waste stream.

- Fly and Bottom Ash Monitoring:
  - Each fly ash load is tested prior to transport and disposal.
  - Bottom ash samples are collected from each truck loaded with bottom ash for transport and disposal. Samples are combined to form a weekly composite sample for analysis.

Continuous emission monitoring data, grab sample data, and fly ash and bottom ash analytical data are all posted on the Metro Vancouver website along with an annual report for the facility.

### Comparison with Regulatory Limits

Table 1 shows comparisons for various emission parameters with regulatory limits. Overall, the Metro Vancouver Waste-to-Energy Facility operates well within environmental standards.

Parameter (Average Values)	Units	Current Regulatory Levels	2024 Emissions Data	Percentage of Limit
<i>Manual Stack Tests</i>				
Particulate Matter	mg/dscm	9	0.9	10%
Hydrogen Fluoride (HF)	mg/dscm	1	0.04	4%
Sum of Lead, Arsenic, and Chromium	ug/dscm	64.0	4.9	8%
Cadmium (Cd)	ug/dscm	7.0	0.2	2.6%
Mercury (Hg)	ug/dscm	20.0	0.07	0.4%
<i>Trace Organics Tests</i>				
Dioxins/Furans (PCDD/PCDF)	ng/dscm	0.08	0.0042	5%
Chlorophenols	ug/dscm	1	0.0088	0.9%
Chlorobenzenes	ug/dscm	1	0.31	31%
Polycyclic Aromatic Hydrocarbons (PAHs)	ug/dscm	5	0.08	1.6%
Polychlorinated Biphenyls (PCBs)	ug/dscm	1	0.02	2.4%
<i>Continuous Emissions Monitoring System:</i>				
Nitrogen Oxides (NO <sub>x</sub> )	mg/dscm	190	132	69%
Carbon Monoxide (CO)	mg/dscm	50	28	56%
Sulphur Dioxide (SO <sub>2</sub> )	mg/dscm	200	68	34%

The continuous emissions monitoring system at the Waste-to-Energy Facility was upgraded in 2016 and has been in operation since August 1, 2017. As noted in the presentation included in Attachment 1, continuously monitored carbon monoxide levels show a step increase that aligns with the timing of the installation of the upgraded continuous monitoring system. Given the same step increase was observed in other parameters measured with the continuous monitoring system, the observed increase appears to be a result of the change in equipment rather than an actual increase in emission levels. Upgrades and operational improvements have been added to help ensure continuous monitoring data reflects actual parameter concentrations.

---

**Greenhouse Gas Emissions Reporting**

Greenhouse gas emissions from the Waste-to-Energy Facility are comprised mainly of carbon dioxide with trace amounts of methane and nitrous oxides. Non-biogenic (anthropogenic) emissions from the facility were 127,345 tonnes carbon dioxide equivalents, a 2% increase from 2023. This increase is primarily due to annual fluctuations in waste composition. Over the past five years, the anthropogenic portion of greenhouse gas emissions has ranged from 40% to 50%. More frequent monitoring of the portions of anthropogenic and biogenic carbon dioxide has been implemented. This is expected to reduce the annual variability of the data.

Overall greenhouse gas emissions from the facility in 2024, including both anthropogenic and biogenic, were 255,152 tonnes carbon dioxide equivalents, a decrease of approximately 9% compared to 2023. Waste processed at the facility increased in 2024, by 6,891 tonnes, but due to the variability of the waste composition the GHG emissions were lower. As in past reporting years, the Waste-to-Energy Facility accounted for less than 1% of all anthropogenic greenhouse gas emissions in the region.

Greenhouse gas emissions from the use of natural gas at the Waste-to-Energy Facility in 2024 were 4,214 tonnes carbon dioxide equivalent. Natural gas is used to ensure complete combustion of the waste, and to maintain boiler temperatures during startup and shutdown periods. The facility uses a portion renewable natural gas, which is claimed as an offset in corporate reporting. Recycling of metals from the Waste-to-Energy Facility generated an additional 930 tonnes in offsets in 2024.

**National Pollutant Release Inventory Reporting**

The National Pollutant Release Inventory is Canada's legislated, publicly accessible inventory of pollutant releases to air, water, and land, as well as from disposal and transfer for recycling. The National Pollutant Release Inventory is managed by Environment and Climate Change Canada and currently tracks over 300 substances and groups of substances. Metro Vancouver is required to report air emissions (e.g., particulate matter, metals, organic compounds, and acid gases) and substances transported for off-site disposal, including fly ash and bottom ash for the preceding calendar year, to the National Pollutant Release Inventory. Table 2 summarizes the information which has been reported to the National Pollutant Release Inventory for 2024.

**Waste-to-Energy Facility Environmental Monitoring and Reporting 2024 Update**

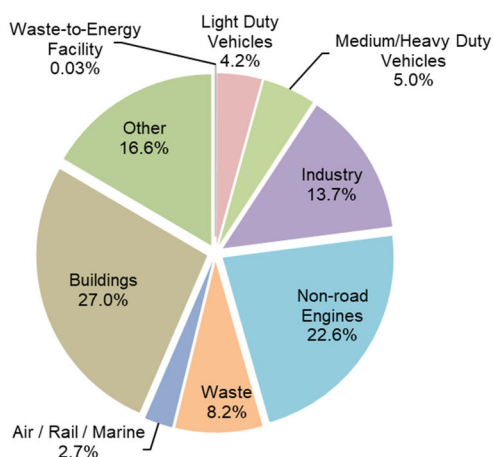
Zero Waste Committee Regular Meeting Date: July 3, 2025

Page 5 of 6

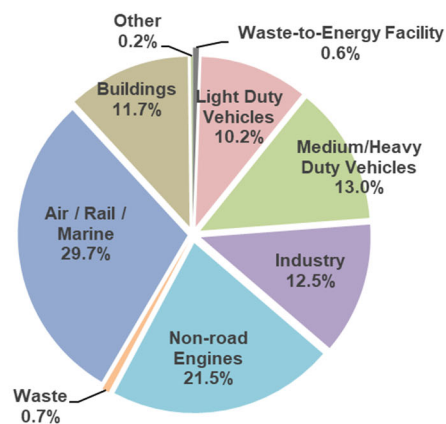
Substance	Reported Quantity (tonnes)	
	Stack Emissions	Ash Disposal
Nitrogen Oxides	211	N/A
Carbon Monoxide	44.5	N/A
Sulphur Dioxide	110	N/A
Hydrogen Chloride/Hydrochloric Acid	125	N/A
Aluminum (dust)	0.017	N/A
Arsenic	0.00067	1.3
Cadmium	0.00021	1.2
Cobalt	0.00017	2.3
Copper	0.0011	72.4
Lead	0.0035	18.5
Manganese	0.0015	25.8
Mercury	0.00009	0.06
Phosphorus	0.0030	438.7
Zinc	0.023	182.5
Particulate Matter $\leq 10\mu\text{m}$	1.48	N/A
Particulate Matter $\leq 2.5\mu\text{m}$	1.19	N/A
Dioxins and Furans	N/A	N/A
Hexachlorobenzene	N/A	N/A

**Waste-to-Energy Facility in a Regional Context**

Figure 1 compares Waste-to-Energy Facility emissions to total emissions from all regional sources for two key air contaminants in the Lower Fraser Valley – fine particulate matter and nitrogen oxides (a key smog forming pollutant). In 2024, the Waste-to-Energy Facility accounted for 0.03% of regional fine particulate matter emissions and 0.6% of regional nitrogen oxide emissions. The Nitrogen Oxide Reduction Project, completed in October 2014, reduced nitrogen oxide emissions from 0.9% of the regional total in 2013 to 0.6% in 2024.

**Figure 1: 2024 Regional Emissions Distribution**

2024 Lower Fraser Valley Fine Particulate Matter Emission Sources



2024 Lower Fraser Valley Nitrogen Oxide Emission Sources

**ALTERNATIVES**

This is an information report. No alternatives are presented.

**FINANCIAL IMPLICATIONS**

Activities related to emissions monitoring and reporting are included in the approved Solid Waste Services operational budget.

**CONCLUSION**

The Waste-to-Energy Facility operates well within environmental standards and regulatory limits. All air emission related parameters monitored during 2024 were in compliance with Operational Certificate 107051. Continuous emissions monitoring data and all compliance reports are available on the Metro Vancouver website.

**ATTACHMENTS**

1. Presentation re: Waste-to-Energy Facility Environmental Monitoring and Reporting 2024 Update.

76864718



# Waste-to-Energy Facility Environmental Monitoring and Reporting – 2024 Update

Sarah Wellman, P.Eng.

Senior Engineer, Solid Waste Services

Zero Waste Committee Meeting - July 3, 2025

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## CONTINUOUS EMISSIONS MONITORING SYSTEM

Stack Sampling Ports



Continuous Emission Monitoring Analyzers



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2

2



## QUARTERLY MANUAL STACK TESTING



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## FLY ASH AND BOTTOM ASH MONITORING



Loaded Fly Ash Trailers



Fly Ash Composite Samples



Bottom Ash Loading



Bottom Ash Weekly Composite Samples

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## OPERATIONAL CERTIFICATE

All environmental reporting submitted to the Province is posted to the website:

- Monthly compliance reports
- Annual compliance reports
- Quarterly stack test results
- Semi-volatile organic compound stack test results
- Bottom ash weekly composite data
- Quarterly fly ash summary

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## GREENHOUSE GAS EMISSIONS REPORTING

2024 Greenhouse Gas Emissions:

- Anthropogenic 127,345 tonnes (~50%)
- Biogenic 127,807 tonnes (~50%)
- Annual reports to provincial and federal databases



Air sample for biogenic testing

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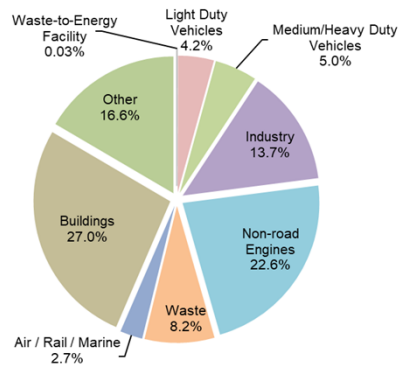
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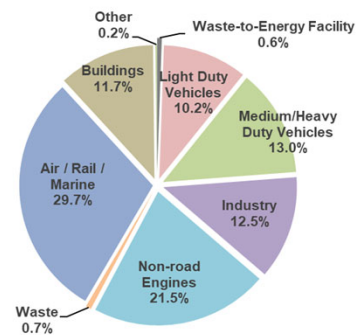


## WASTE-TO-ENERGY IN A REGIONAL CONTEXT

2024 Lower Fraser Valley Fine Particle Matter (PM<sub>2.5</sub>) Emissions Sources



2024 Lower Fraser Valley Nitrogen Oxides (NO<sub>x</sub>) Emissions Sources



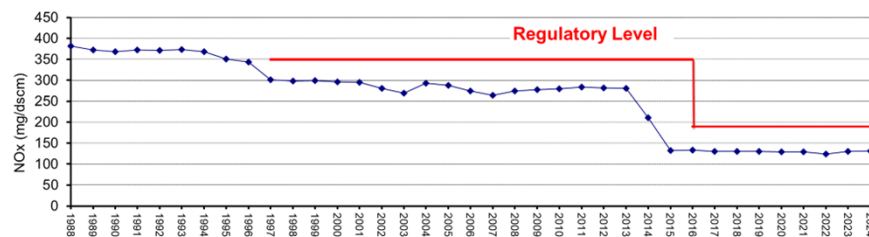
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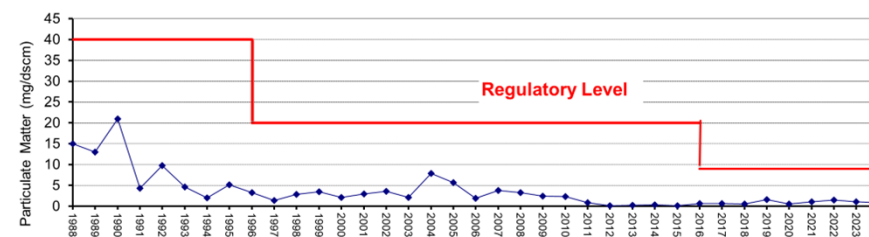
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## HISTORICAL TRENDS

Nitrogen Oxides



Particulate Matter



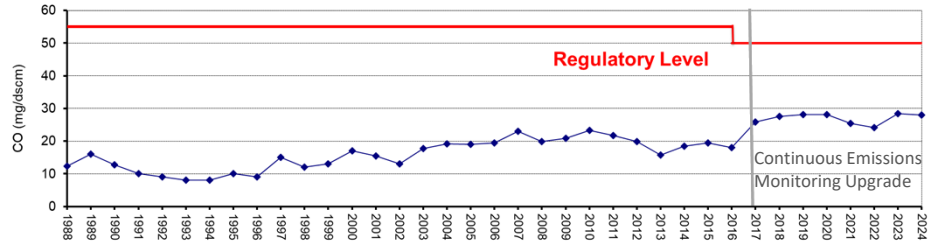
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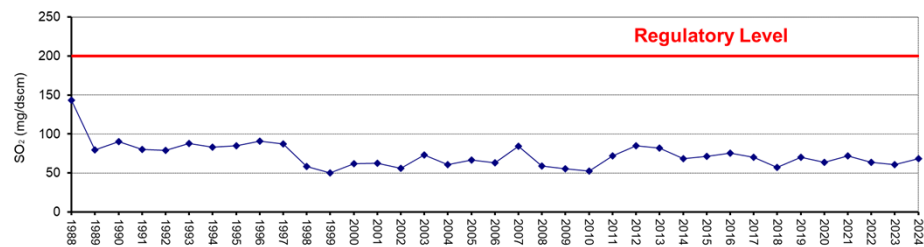
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## HISTORICAL TRENDS

Carbon Monoxide



Sulfur Dioxide



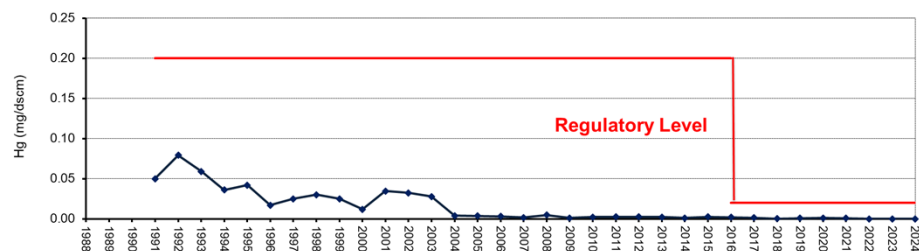
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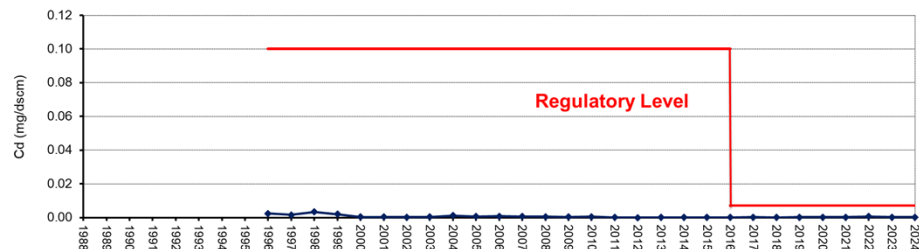
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## HISTORICAL TRENDS

Mercury



Cadmium



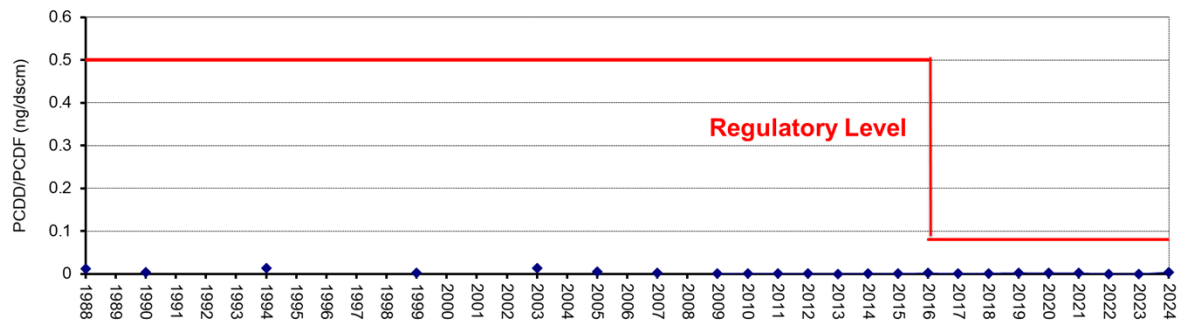
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## HISTORICAL TRENDS

### Dioxins/Furans



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13

To: Zero Waste Committee

From: Kelly Du, Project Engineer, Zero Waste Planning Implementation

Date: June 23, 2025

Meeting Date: July 3, 2025

Subject: **2024 Waste Composition Data**

---

## RECOMMENDATION

That the Zero Waste Committee receive for information the report dated June 23, 2025, titled “2024 Waste Composition Data”.

---

## EXECUTIVE SUMMARY

Metro Vancouver’s waste composition program includes a series of annual studies to learn about the types and quantities of waste disposed in the region. The 2024 full-scale study results suggest the following:

- Compostable organics, paper, plastic, and non-compostable organics, which include engineered wood products and natural fibre textiles, remain the top four components of residential and commercial/institutional garbage.
- Compostable organics remained the largest component of the waste stream, particularly in the multi-family sector.
- Compostable organics are trending downwards, decreasing by 19% per capita between 2021 and 2024.

Waste composition results are used to gauge progress, help identify program priorities, and to provide baseline data for the solid waste management plan update.

The waste composition study also assessed the quantity of single use items in the garbage, however further analysis is required to assess trends. A separate report with details on single-use items in the garbage will be provided to the Zero Waste Committee later in the year.

## PURPOSE

The purpose of this report is to update the Zero Waste Committee on the results of waste composition studies completed in 2024.

## BACKGROUND

As reported to the Zero Waste Committee on October 16, 2020, Metro Vancouver follows a waste composition program that outlines the types and frequencies of studies performed, including full-scale and sector specific studies. Waste composition analysis provides valuable estimates of the types and quantities of material disposed in the region and provides baseline data to enable monitoring of the updated solid waste management plan.

## 2024 WASTE COMPOSITION PROGRAM

Three waste composition studies were conducted in 2024: a full-scale study of waste received at regional disposal facilities from residential and commercial/institutional sources, and two sector-specific studies of waste from the multi-family and commercial/institutional sectors, respectively. The commercial/institutional study was a desktop study that reexamined previous studies to devise methodology improvements.

### Full Scale Waste Composition Study Overall Results

Field work for the full-scale study took place in November and December 2024 at the North Surrey Recycling and Waste Centre, United Boulevard Waste and Recycling Centre, and Vancouver South Transfer Station. Field work involved obtaining 100 samples of approximately 100 kg each from incoming waste loads and sorting those samples into 175 material categories. Each category was then weighed, and aggregated weights were combined to provide an estimate of composition for the region.

Notable observations include:

- compostable organics decreased from 87 kg/capita (28%) in 2021 to 70 kg/capita (22%) in 2024, a 19% per capita decrease;
- non-compostable organics, primarily composed of finished wood and pressure treated wood, has remained the same since 2022 at 15%; and
- the top four components of residential and commercial/institutional garbage remain compostable organics, paper, plastic, and non-compostable organics.

Table 1: Regional Waste Disposal by Material <sup>1,2</sup>								
	2021		2022		2023		2024	
Material	kg/capita	%	kg/capita	%	kg/capita	%	kg/capita	%
Paper	60	19%	59	19%	47	14%	53	17%
Plastic	62	20%	52	17%	57	18%	61	19%
Compostable Plastic	<1	<1%	<1	<1%	<1	<1%	<1	<1%
Compostable Organics	87	28%	84	27%	73	23%	70	22%
Non-Compostable Organics	27	9%	46	15%	50	15%	48	15%
Metals	10	3%	10	3%	16	5%	10	3%
Glass	6	2%	11	4%	8	3%	11	4%
Building Material	14	5%	18	6%	21	7%	14	4%
Electronic Waste	3	1%	5	1%	9	3%	4	1%
Household Hazardous	6	2%	2	1%	6	2%	6	2%
Household Hygiene	29	9%	23	7%	17	6%	26	8%
Bulky Objects	2	1%	1	0%	9	3%	6	2%
Fines	5	2%	3	1%	3	1%	5	1%
<b>Total</b>	<b>312</b>	<b>100%</b>	<b>315</b>	<b>100%</b>	<b>318</b>	<b>100%</b>	<b>315</b>	<b>100%</b>

<sup>1</sup> Per capita tonnage for waste composition studies are typically based on the last reported year of data available at the time of publishing.

<sup>2</sup> Numbers may not add up to totals due to rounding, whole numbers were used to calculate totals.

**Single-Use Items**

Metro Vancouver has been counting single-use items disposed in residential and commercial/institutional garbage since the 2018 waste composition study. Despite representing only 3% of the waste stream by weight, littered single-use items can have detrimental impacts on marine ecosystems and represent an opportunity to encourage waste reduction. The categories studied correspond with the items prioritized in Metro Vancouver and member jurisdictions which includes items most commonly targeted by municipal single-use item reduction bylaws.

Having accumulated sufficient data over time, the methodology to estimate single-use item counts was improved in 2024 using revised reference unit weights for single-use items and outlier analysis determination to increase data accuracy. The single-use item count methodology and results will be reported separately in a future committee meeting to characterize single-use item consumption and disposal trends.

**Multi-Family Waste Composition Study**

The 2024 Multi-Family Waste Composition Study examined waste disposed at 87 multi-family residences throughout the Metro Vancouver region. Results indicate that the largest component of multi-family waste remains compostable organics (32% or 62 kg/capita), followed by plastic, paper, and household hygiene products such as diapers and pet waste. The estimated per capita disposal in multi-family residences decreased by 10% from 2017 to 2024. Reducing organics disposal in multi-family residences was a focus of this year's "Food Scraps Aren't Garbage" behaviour change campaign. Exploring multi-family waste reduction and recycling solutions will be a key component of an updated solid waste management plan.

Table 3: Multi-Family Waste Composition <sup>1,2</sup>										
	2017		2021		2022		2023		2024	
Material	kg/ capita	Percent	kg/ capita	Percent	kg/ capita	Percent	kg/ capita	Percent	kg/ capita	Percent
Paper	34	16%	30	15%	35	17%	27	15%	31	16%
Plastic	31	15%	34	17%	28	14%	30	17%	32	17%
Compostable Products and Packaging	<1	<1%	<1	<1%	<1	<1%	<1	<1%	<1	<1%
Compostable Organics	80	38%	77	37%	76	37%	61	34%	62	32%
Non- Compostable Organics	10	5%	8	4%	13	6%	12	7%	11	6%
Metal	6	3%	5	3%	5	3%	7	4%	7	4%
Glass	6	3%	7	3%	7	3%	6	3%	6	3%
Building Material	3	2%	4	2%	2	1%	4	2%	4	2%
Electronic Waste	4	2%	4	2%	6	3%	3	2%	4	2%
Household Hazardous	2	1%	1	1%	2	1%	1	1%	3	1%
Household Hygiene	31	15%	31	15%	27	13%	25	14%	27	14%
Bulky Objects	<1	<1%	5	3%	<1	<1%	3	1%	1	1%
Fines	3	1%	1	1%	3	1%	3	2%	3	1%
<b>Total</b>	<b>212</b>	<b>100%</b>	<b>206</b>	<b>100%</b>	<b>205</b>	<b>100%</b>	<b>181</b>	<b>100%</b>	<b>191</b>	<b>100%</b>

<sup>1</sup> Per capita tonnage for waste composition studies are typically based on the last reported year of data available at the time of publishing.

<sup>2</sup> Numbers may not add up to totals due to rounding, whole numbers were used to calculate totals.

### Commercial/Institutional Waste Composition

The 2024 Metro Vancouver Commercial/Institutional Waste Composition Study was a desktop study focused on re-examining existing data for further insights into improving business and institution recycling rates.

The study's findings indicated that variation between business types makes it challenging to identify waste disposal trends and patterns. Some potential considerations to improve future studies include:

- Focus on a narrower range of business types in future studies based on the North American Industry Classification System (NAICS). This allows for more detailed and nuanced understanding of waste generation patterns specific to each type of business.
- Select business types that are high generators of materials specifically targeted for improvement too optimize efforts for developing meaningful actions and programs.

- Refine estimates of waste generation rate, in kg/number of employees, for specific business types to assist in identifying areas of potential improvement for different types of businesses.

## ALTERNATIVES

This is an information report. No alternatives are presented.

## FINANCIAL IMPLICATIONS

The waste composition program is ongoing and is included in the solid waste services annual operating budget.

## CONCLUSION

Metro Vancouver's waste composition program provides valuable information on the progress of various waste reduction and recycling initiatives and identifies potential target materials for future waste reduction programs and policies. Three studies were completed in 2024. The 2024 full-scale study suggested a decrease in compostable organics in overall residential and commercial/institutional garbage. The multi-family waste composition study found that compostable organics remain high in multi-family residential waste compared to other sectors. The commercial/institutional study identified opportunities to improve business composition data in order to help develop meaningful actions and programs. Metro Vancouver will continue to monitor waste composition annually.

## ATTACHMENTS

1. Presentation re: 2024 Waste Composition Results.

## REFERENCES

1. Dillon Consulting Ltd. (2025). *Metro Vancouver 2024 Full-Scale Waste Composition Study*. Metro Vancouver: <https://metrovancover.org/services/solid-waste/Documents/full-scale-waste-composition-study-2024.pdf>
2. Dillon Consulting Ltd. (2025). *Metro Vancouver 2024 Multi-Family Waste Composition Study*. Metro Vancouver: <https://metrovancover.org/services/solid-waste/Documents/multi-family-waste-composition-study-2024.pdf>
3. Dillon Consulting Ltd. (2025). *Metro Vancouver 2024 Commercial Waste Composition Study*. Metro Vancouver: <https://metrovancover.org/services/solid-waste/Documents/review-commercial-institutional-waste-composition-studies-2024.pdf>





Sorting through a sample at United Boulevard Recycling and Waste Centre

## 2024 Waste Composition Monitoring Program

### RESULTS

Kelly Du, P.Eng.

Project Engineer, Solid Waste Services

Zero Waste Committee Meeting – July 3, 2025

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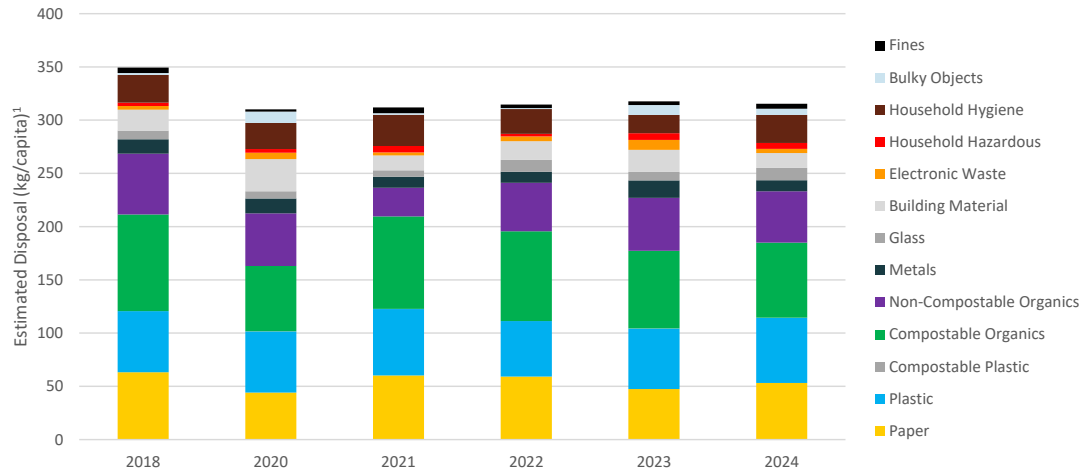
## WASTE COMPOSITION PROGRAM PLAN

Type of Study	Description	Frequency
<b>Full-scale</b>	Includes samples from all sectors received at Regional Facilities	Annually
<b>Multi-family</b>	Focuses on apartment and townhome waste sampled directly from participating buildings	Annually (until SWMP is updated)
<b>Commercial/ Institutional</b>	Focuses on business waste sampled directly from participating businesses	Annually (until SWMP is updated)
<b>Construction &amp; Demolition</b>	Visually estimates composition of large construction and demolition loads received at regional landfills	Every three years

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## FULL-SCALE STUDY RESULTS

Residential, Commercial/Institutional and Small Load Waste



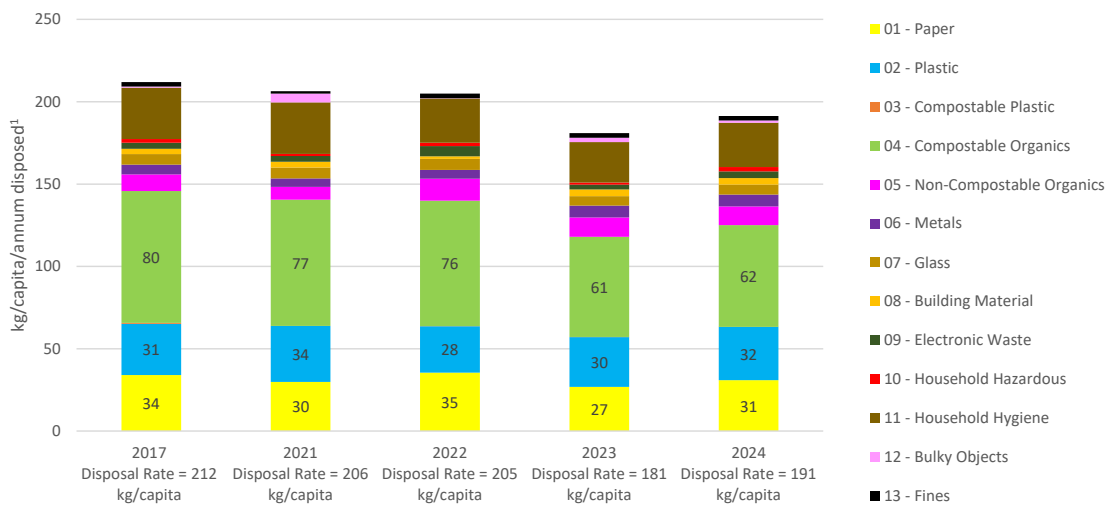
<sup>1</sup>Calculation based on preceding year's disposal tonnage and population data

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## MULTI-FAMILY STUDY RESULTS



<sup>1</sup>Calculation based on preceding year's disposal tonnage and population data

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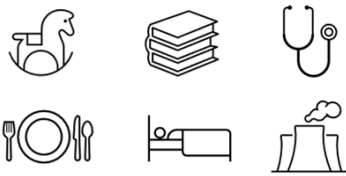
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## COMMERCIAL/INSTITUTIONAL STUDY RESULTS

### Findings and Recommendations

#### Findings

Variation among business types results in difficulty identifying waste patterns



#### Considerations

Future studies to focus on specific business types

Pilot study targeting business types with greatest opportunity for improvement

Generation rate (kg/number of employees) to be refined for each business type

## CONCLUSIONS

- Compostable organics, plastic, paper and wood are the largest components of the waste stream
  - Organics continue to trend downwards
- Compostable organics highest in multi-family sector but showing gradual decrease
- Improvements to be made to future commercial/institutional waste composition studies based on desktop review



7



To: Zero Waste Committee

From: Brandon Ho, Senior Project Engineer, Solid Waste Services

Date: June 17, 2025

Meeting Date: July 3, 2025

Subject: **2024 Disposal Ban Program Update**

---

### **RECOMMENDATION**

That the Zero Waste Committee receive for information the report dated June 17, 2025, titled "2024 Disposal Ban Program Update".

---

### **EXECUTIVE SUMMARY**

The disposal ban program encourages waste reduction and recycling through surcharges on garbage loads that contain banned materials above prescribed thresholds. Garbage loads are visually inspected to identify banned materials. Approximately 19% of the garbage loads received at Metro Vancouver and City of Vancouver solid waste facilities were inspected in 2024, and of those loads approximately 11% contained banned materials, with 2% receiving surcharges. Inspectors worked with customers to provide alternative recycling options to prevent more than 15,000 loads containing banned materials from being disposed. Corrugated cardboard, electronic waste and mattresses were the top three banned materials in loads receiving surcharges.

A pilot program is being developed to create incentives for haulers working with their customers to maximize recycling efforts at source, and also recognize processors that have taken all reasonable steps to eliminate recyclables from their garbage loads.

### **PURPOSE**

The purpose of this report is to provide the annual update to the Zero Waste Committee on the 2024 results of the Metro Vancouver disposal ban program.

### **BACKGROUND**

Disposal ban program results are reported annually as outlined in the Zero Waste Committee work plan. The program helps keep readily recyclable materials and hazardous materials that pose operational risks out of the waste stream.

## 2024 DISPOSAL BAN PROGRAM RESULTS

The *Greater Vancouver Sewerage and Drainage District Tipping Fee and Solid Waste Disposal Regulation Bylaw No. 379, 2024*, as amended (Tipping Fee Bylaw) specifies a list of over 40 banned materials restricted from disposal (Attachment 1). The disposal ban program is a key tool for Metro Vancouver to encourage waste reduction and recycling. Garbage loads received at Metro Vancouver and City of Vancouver solid waste facilities are visually inspected for banned materials, and surcharges are applied if banned materials are present in quantities exceeding the thresholds defined in the Tipping Fee Bylaw. Metro Vancouver reports annually on program results including inspection and surcharge rates, and surcharges by material and customer type.

### Disposal Ban Program Results

In 2024, the number of garbage loads received at regional solid waste facilities was 6.6% higher than in 2023. One reason for the increase in the number of loads is due to additional loads received at the new Central Surrey Recycling and Waste Centre that opened in September 2022. In 2023 and 2024, some inspectors were reallocated to the new facility to conduct load inspections and educate customers. Consequently, with fewer customers at the smaller facilities, the total number of loads inspected decreased in 2024 compared to 2022. In addition, new weigh scale software was implemented during the second half of 2024 which resulted in some technical challenges with load inspections. Table 1 provides a multi-year comparison of disposal ban program results.

In 2024, 169,625 loads were inspected (19% inspection rate), and 19,094 (or approximately 11%) of inspected loads contained banned materials. Inspectors were able to work with customers and provide alternative recycling options to prevent 15,966 loads (re-loads) containing banned materials from being disposed as garbage.

**Table 1: Inspection Statistics for Regional Solid Waste Facilities**

Year	Garbage Loads	Loads Inspected	Inspection Rate	Re-Loads	Surcharge Notices	Surcharge Rate
2022	800,855	194,588	24%	20,161	3,462	1.8%
2023	834,626	165,906	20%	10,674	3,284	2.0%
2024	889,501	169,625	19%	15,966	3,128	1.8%

### Results by Material Type

Table 2 summarizes the distribution of surcharged loads by banned material type. Corrugated cardboard accounted for 30% of the surcharge notices in 2024, up from 24% in 2023. Electronic waste (including computers, home entertainment systems, household electronics, kitchen appliances, and vacuums) represented 25% of surcharged loads in 2024, down from 31% in 2023. Mattresses and food waste both accounted for 7% and 6%, respectively.

**Table 2: Summary of Materials Contained in Surcharged Loads at Regional Solid Waste Facilities**

Material	2022	2023	2024
Cardboard	21%	24%	30%
Electronic Waste	32%	31%	25%
Mattresses	7%	7%	7%

Material	2022	2023	2024
Food Waste	9%	8%	6%
Gypsum	6%	9%	5%
Large Objects	4%	2%	5%
Other Banned Materials	5%	4%	5%
Clean Wood	2%	2%	4%
Paint (Includes empty containers)	3%	2%	3%
Tires	3%	4%	3%
Green Waste	1%	2%	3%
Wire, Hosing, Rope or Cable	2%	1%	2%
Expanded Polystyrene Packaging	2%	2%	2%
Oil (Includes containers and filters)	1%	1%	1%
Mixed Recyclables (includes paper and containers)	3%	1%	<1%

### Surcharges by Customer Type

Table 3 summarizes the number of inspections and surcharge notices by customer type in 2024. The surcharge rate for commercial loads is typically higher than other customer types due to the load volumes, types of materials, and how they are collected. Typically, it is not safe/practical to prevent disposal of banned materials from a commercial or municipal load. Municipal loads are generally from single family households and typically have less visible banned materials than commercial loads. Residential cash and other non-account customers arriving in small vehicles normally unload materials manually and can separate, retrieve and recycle banned materials more easily.

**Table 3: Summary of Surcharges by Customer Type for 2024**

Customer Type	Inspections	Surcharge Notices	Surcharge Rate
Commercial	44,392	2,399	5.4%
Municipal	7,965	117	1.5%
Non-account	117,268	612	0.5%
Totals	169,625	3,128	1.8%

### Dispute Resolution

Customers may dispute a surcharge within 30 days of issue by completing a dispute form. Metro Vancouver received 12 surcharge disputes in 2024, down from 13 in 2023. Eight surcharge notices were rescinded as summarized in Table 4.

**Table 4: Surcharge Dispute Summary**

Year	Surcharge Disputes Received	Surcharge Notices Rescinded
2022	21	13
2023	13	7
2024	12	8

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**Hauler Surcharge Information**

The 2024 surcharge amount and surcharge rate for each hauler with total surcharges exceeding \$1,000 is shown in Attachment 2 (surcharges applied at Metro Vancouver facilities only). The hauler surcharge rate is the number of surcharge notices divided by the number of inspections for each hauler.

**Disposal Ban Exemption Pilot Program**

In 2023, Metro Vancouver conducted a disposal ban program review through a third party consultant. The review found that the program is effective and that surcharges are being applied consistently. The review also identified some potential areas for program improvement. One key finding was that there is an opportunity to work with haulers through incentives to encourage the haulers to work with generators to further increase recycling, and reduce the potential for banned materials being disposed in garbage containers. A pilot program is under development that will aim to create incentives for waste haulers to maximize opportunities for their customers to recycle and recognize the work of processors that take all practical measures to eliminate recyclables from the residual material from those facilities that requires disposal.

**ALTERNATIVES**

This is an information report. No alternatives are presented.

**FINANCIAL IMPLICATIONS**

In 2024 surcharge revenues were \$407,729 with \$390,382 from Metro Vancouver solid waste facilities and \$17,347 from City of Vancouver solid waste facilities as shown in Attachment 3. Total program expenditures in 2024 were \$1,092,572. The program is not intended to be cost neutral but rather encourages haulers to work with their customers to increase recycling. Any cost implications of the pilot program under development will be reported to the Zero Waste Committee as the program is finalized.

**CONCLUSION**

The disposal ban program helps keep readily recyclable materials and materials that pose operational risks and other hazards out of the waste stream. In 2024, 169,625 loads were inspected, 19,094 loads were found to contain banned materials, and 3,128 surcharge notices were issued. The disposal ban program remains an effective tool to encourage waste reduction and recycling.

**ATTACHMENTS**

1. 2024 Banned Materials.
2. 2024 Solid Waste Surcharge Information at Metro Vancouver Facilities.
3. 2024 Solid Waste Surcharge Summary.



## 2024 Banned Materials

<b>Banned Hazardous and Operational Materials</b> (\$73 surcharge on any single item plus the costs of remediation and clean-up)	
• Agricultural Waste	• Hazardous Waste
• Automobile Parts	• Inert Fill Materials
• Barrels or Drums (205 L or greater)	• Liquids or Sludge
• Creosote Treated Wood	• Mattresses
• Dead Animals	• Oversize Objects
• Dusty or Odourous	• Personal Hygiene Products over 10% of the load
• Excrement	• Propane Tanks
• Flammable Materials	• Toxic Plants
• Gypsum	• Wire, Hosing, Rope or Cable longer than 1 m

<b>Banned Recyclable Materials</b> (50% surcharge on Items above the threshold)
5% threshold on any combination of the following: <ul style="list-style-type: none"> <li>• Beverage containers</li> <li>• Other recyclable plastic, glass, metal, and composite material containers</li> <li>• Corrugated cardboard</li> <li>• Recyclable paper</li> <li>• Green waste</li> <li>• Clean Wood</li> </ul>
25% threshold on food waste

<b>Banned Recyclable Materials</b> (100% surcharge on Items above the threshold)
20% threshold on expanded polystyrene packaging

<b>Banned Product Stewardship Materials</b> (\$73 surcharge on any single item)	
• Antifreeze and Containers	• Paint and Paint Containers
• Electronics and Electrical Products	• Pesticides
• Gasoline	• Pharmaceutical Products and Medications
• Lead-Acid Batteries	• Solvents and Flammable Liquids
• Lubricating Oil and Containers	• Tires
• Oil, Oil Filters, Oil Containers	

## 2024 Solid Waste Surcharge Information at Metro Vancouver Facilities

Hauler (MV Facilities)	Surcharge Amount*	Hauler Surcharge Rate**
Annacis Waste Disposal	\$1,019	26%
Canada Minibins Ltd	\$18,045	7%
City of Burnaby	\$4,963	2%
City of Surrey	\$1,545	2%
District of North Vancouver	\$1,347	3%
Emterra Environmental Group	\$1,111	10%
Fleetwood Waste Systems Ltd	\$1,510	23%
Four Season Roofing & Disposal Ltd	\$4,099	26%
GFL Environmental	\$31,972	6%
Greenline Disposal	\$1,329	29%
Halton Recycling Ltd (IPI Ltd)	\$6,038	9%
Maple Leaf Disposal	\$25,483	10%
Metro Disposal	\$1,392	1%
Mini-Load Disposal	\$1,201	13%
Residential - RDO	\$45,687	1%
RJ Disposal Ltd	\$2,116	7%
SF Disposal Queen	\$2,472	13%
Smart Bins Holding Ltd.	\$2,172	14%
Super Save Disposal Inc	\$47,931	11%
Two Guys Recycling & Disposal Services Inc.	\$8,580	15%
Urban Impact Recycling Ltd	\$1,909	2%
Vancouver Coastal Health	\$3,835	29%
Waste Connections of Canada	\$68,480	8%
Waste Control Services Inc	\$14,355	4%
Waste Management of Canada Corporation	\$65,739	13%
Wescan Disposal	\$6,660	12%

\* Does not include haulers with surcharge amounts less than \$1,000.

\*\* Hauler surcharge rate is equal to the number of surcharges divided by the estimated number of inspections for each hauler. The estimated inspection rate is assumed to be equal to the overall inspection rate for that category of customer.

**2024 Solid Waste Surcharge Summary**

	<b>Surcharge Amount</b>
Metro Vancouver Facilities (\$ 390,382)	
- Commercial	\$ 336,904
- Municipal	\$ 7,791
- Cash Customers	\$ 45,687
City of Vancouver Facilities	\$ 17,347
<b>Total</b>	<b>\$ 407,729</b>

To: Zero Waste Committee

From: Paul Henderson, General Manager, Solid Waste Services

Date: June 24, 2025

Meeting Date: July 3, 2025

Subject: **Manager's Report**

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### **RECOMMENDATION**

That the Zero Waste Committee receive for information the report dated June 24, 2025, titled "Manager's Report".

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### **Home Demolition Waste Prevention Forum**

On June 2, 2025, Light House and Renewal Development hosted the Home Demolition Waste Prevention Forum to bring together government and industry and discuss alternatives to residential demolition. The event received funding support from the Government of Canada, Metro Vancouver, and the Capital Regional District. The forum included presentations and two panel discussions with local government and industry representatives.

The policy panel included presentations from the City of Victoria, the District of North Vancouver, and the City of Seattle with a focus on municipal deconstruction bylaws and initiatives to prevent demolition waste. The industry panel included presentations from Habitat for Humanity, Renewal Development, and Vema Deconstruction and highlighted alternative approaches to demolition, such as home relocation, deconstruction, and resale of building materials. Attendees included local government staff, elected officials, and industry representatives from Metro Vancouver, across Canada, and other parts of the world. The event recording can be accessed in Reference 1.

### **Capital Costs – follow up from the June Zero Waste Committee meeting**

At the June 5, 2025 Zero Waste Committee meeting, there was a question on capital spending at the Waste-to-Energy Facility based on information included in the Finance Committee Report titled "Metro Vancouver 2024 Annual Financial Results" that was linked the Manager's report. The question was why reported capital expenditures for the Waste-to-Energy Facility Fabric Filter and Fly Ash Filter Silo Refurbishment projects exceed 2024 Capital Plan targets. The approved maintenance capital program for the Waste-to-Energy Facility is made up of many smaller projects. The overall Waste-to-Energy Facility maintenance capital program, including both the fabric filter and fly ash silo projects, actual spend was \$4.9M of the expected \$9.9M spend for 2024.

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**Update on Recycle BC Flexible Plastic Packaging Collection**

In early 2025, Recycle BC began offering financial incentives to collectors for segregated flexible plastic packaging from curbside and multi-family residences through revised statements of work. This change allowed curbside and multi-family collectors to opt-in to collection of flexible plastic packaging in addition to the other types of packaging and paper product collected directly from residents. The updated statements of work were informed by a pilot project that tested collection in West Vancouver, during 2021-2022. The results of this pilot project demonstrated a significant increase (approximately three times the amount) in collecting directly from residents when compared to depots.

Implementation of flexible plastic packaging has already started in at least the following communities.

- West Vancouver: Multi-family collection (Waste Control Services) launched in July 2024 and curbside (Waste Control Services) in June 2025
- Maple Ridge: Curbside (Remple Disposal) and multi-family (Waste Control Services) collection launched in January 2025

For future expansion of flexible plastic packaging collection for curbside and multi-family, Recycle BC is employing two approaches. For communities that provide municipal service under contract with Recycle BC, the decision rests with the local government regarding whether and when to opt-in to collection of flexible plastic packaging. For communities that receive direct service from Recycle BC, collection will be determined by Recycle BC. Recycle BC is investigating adding additional direct services communities over time, but has not identified a specific timeline for expansion to those communities.

**Waste Reduction and Recycling Educational Resources and Tools Workshop – Multi-family Focus**

Metro Vancouver hosted a workshop on Monday, June 23, 2025, that brought together over 30 participants from local government, industry, non-profit, non-government organizations, and other sectors, to collaborate on ideas to improve multi-family building educational resources and tools to reduce waste, increase recycling, and reduce contamination in multi-family garbage and recycling collections. The workshop was in response to a request from industry to provide updated resources to educate their customers to help with contamination issues in garbage and recycling collections, as well as keen interest from other sectors including member jurisdictions to discuss multi-family waste reduction and recycling. Participants collaborated to answer the following questions:

- What are the information gaps, questions, and concerns related to multi-family waste reduction and recycling?
- What communication tools are being used today to educate multi-family customers? What's working and not working?
- What resources would better support communication with multi-family customers and residents?

A summary of feedback and insights gathered will be provided to workshop participants for their future use and consideration.

**2025 Zero Waste Committee Work Plan**

The attachment to this report sets out the Committee's work plan for 2025. 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.

**ATTACHMENTS**

1. Zero Waste Committee 2025 Work Plan.

**REFERENCES**

1. *Home Demolition Waste Prevention Forum* – Recording. (2025, June 2)  
<https://vimeo.com/1089109365/47436a5c79>

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## Zero Waste Committee 2025 Work Plan

Report Date: June 24, 2025

### Priorities

<b>1<sup>st</sup> Quarter</b>	<b>Status</b>
2023 Annual Solid Waste and Recycling Statistics	Complete
2025 Food Scraps Recycling Campaign Update	Complete
2025 Textile Waste Reduction Campaign Update	Complete
2024 Holiday Waste Reduction Campaign Results	Complete
Recycling and Waste Centre Reuse Scale-Up	Complete
Repair Events, Reuse Programs, and Regional Food Recovery Network	Complete
Multi-Family Residential Waste Prevention	Complete
<b>2<sup>nd</sup> Quarter</b>	<b>Status</b>
2024 Waste Composition Program Results	In Progress
2024 Disposal Ban Program Results	In Progress
Solid Waste Management Plan Goals and Idea Generation Summary	In Progress
2025 Food Scraps Recycling Campaign Results	Complete
2024 Year End Financial Report	Complete
2025 Single-Use Item Reduction Campaign Update	Complete
2025 Zero Waste Conference	Complete
2025 Love Food Hate Waste National Campaign Update	Complete
<b>3<sup>rd</sup> Quarter</b>	<b>Status</b>
North Surrey and Langley Recycling Depot Development Update	Pending
2025 Solid Waste and Recycling Industry Advisory Committee Report	Pending
Source Reduction Incentive Program	Pending
2024 Waste-to-Energy Facility Financial Summary	Pending
Waste-to-Energy District Energy System Update	Pending
2024 Waste-to-Energy Facility Environmental Performance Summary	In Progress
2025 Textile Waste Reduction Campaign Results	Pending
<b>4<sup>th</sup> Quarter</b>	<b>Status</b>
National Zero Waste Council Progress Update	Pending
2026 Tipping Fee Bylaw Revisions	Pending
Financial Performance Report	Pending
Solid Waste Services Annual Budget and 5-Year Financial Plan	In Progress
2025 Holiday Waste Reduction Campaign Update	Pending



To: Zero Waste Committee

From: Harji Varn, General Manager, Financial Services  
Chief Financial Officer

Date: June 16, 2025

Meeting Date: July 3, 2025

Subject: **Metro Vancouver's 2025 Financial Performance Report No. 1**

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The attached report dated May 27, 2025 titled "Metro Vancouver's 2025 Financial Performance Report No. 1" was presented to the Finance Committee for information at its June 12, 2025 meeting. The report is presented to the Zero Waste Committee for its information only.

**Attachment**

1. "Metro Vancouver's 2025 Financial Performance Report No. 1", dated May 27, 2025





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To: Finance Committee

From: Harji Varn, Chief Financial Officer / General Manager, Financial Services

Date: May 27, 2025 Meeting Date: June 12, 2025

Subject: **Metro Vancouver's 2025 Financial Performance Report No. 1**

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## **RECOMMENDATION**

That the MVRD Board receive for information the report dated May 27, 2025 titled "Metro Vancouver's 2025 Financial Performance Report No. 1".

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## **EXECUTIVE SUMMARY**

The 2025 Financial Performance Report indicates a forecasted year-end net operating surplus to budget of \$17.6 million (1.2% of the total \$1.5 billion operating budget). Surpluses are forecasted in Water Services \$1.1 million, Liquid Waste \$11.5 million, Housing \$1.6 million, and Regional District \$3.4 million, primarily a result of forecasted lower than budgeted operational expenditures, largely in the liquid waste utility, and organization-wide staff vacancies.

Year-end capital expenditures are forecasted at approximately 80% of the annual cash flow target of \$1.8B. Work has continued to progress and ramp up on several multi-year projects such as Coquitlam Water Main, Annacis Water Supply Tunnel, and NSWWT. Borrowing of MFA debt up to \$600M is aligned to the approved budget. Investment returns are currently averaging 3.89% and are expected to remain favorable for the remainder of the year. Year-to-date procurement activity includes 3 awards approved by the Board representing 98% of the total value of awarded contracts. Across the organization there are over 130 continuous improvement initiatives underway. Attachment 1 to this report provides more detailed information on Metro Vancouver's financial performance at April 30, 2025.

## **PURPOSE**

To present the Finance Committee and MVRD Board with Metro Vancouver's 2025 Financial Performance Report No. 1, including forecasts to the end of 2025, procurement activity, treasury, and continuous improvement reporting.

## **BACKGROUND**

As per the Terms of Reference, the Finance Committee is a standing committee of the Metro Vancouver Board that monitors Metro Vancouver's financial management, providing advice and recommendations on financial matters, as well as reviewing periodic and annual financial results and providing oversight on the annual audit. The Metro Vancouver's 2025 Financial Performance Report is intended to support the Finance Committee with their monitoring and oversight role and is focused on the annual forecast and overall financial health of the organization. The report highlights any major risks, opportunities, and seeks to inform the annual budget process. Attachment 1 to this report provides more detailed information on Metro Vancouver's financial performance at April 30, 2025.

**Metro Vancouver's 2025 Financial Performance Report No. 1**

Finance Committee Regular Meeting Date: June 12, 2025

Page 2 of 6

**Operating Results and Forecast**

On a net surplus basis, it is expected that the year-end operating surplus to budget will be \$17.6 million or 1.2% of the total \$1.5 billion operating budget. The 2025 overall forecasted surpluses are in Water Services of \$1.1M, Liquid Waste Services of \$11.5M, Metro Vancouver Housing of \$1.6M, and Regional District Services of \$3.4M, primarily from staff vacancies, delays in project contracted services, and slightly lower debt service costs. In accordance with policy, operating surpluses will be transferred to reserves at year-end. As at April 30, 2025, the operating surplus to budget is \$18.3M or 1.2% of the total budget.

*Table 1. 2025 Operating Results and Forecast*

(in millions)	Year-to-date Actual Surplus	Year-end Forecast Surplus
<b>Greater Vancouver Water District</b>	\$ 3.9	\$ 1.1
<b>Greater Vancouver Sewerage and Drainage District</b>		
<b>Liquid Waste Services</b>	9.5	11.5
<b>Solid Waste Services</b>	(0.8)	—
<b>Metro Vancouver Housing Corporation</b>	2.8	1.6
<b>Metro Vancouver Regional District</b>	2.9	3.4
	<b>\$ 18.3</b>	<b>\$ 17.6</b>

**Capital Expenditures Program Results and Forecast**

Capital expenditures for 2025 are forecasted at approximately 80% of the annual capital expenditure target of \$1.8 billion. Work has progressed on several multi-year projects and there is anticipated advancement in major projects as they move into construction phases such as the Coquitlam Water Main, Annacis Water Supply Tunnel, and NSWWTP. As at April 30, 2025, the capital actual spending is \$292.4M or 17% of the total budget.

**Metro Vancouver's 2025 Financial Performance Report No. 1**

Finance Committee Regular Meeting Date: June 12, 2025

Page 3 of 6

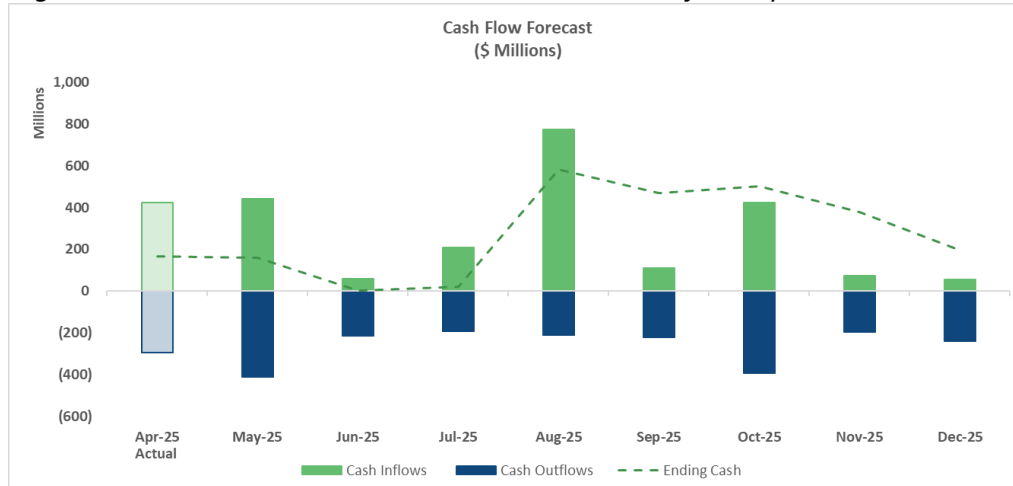
*Table 2. 2025 Capital Expenditure Program Results and Forecast*

(in millions)	Annual Capital Expenditures	Year-to-date Actual Expenditures	Forecasted Expenditures	Projected Variance
<b>Housing Services</b>	\$186.1	26.3	166.1	20.0
<b>Liquid Waste Services</b>	1010.4	162.8	743.6	266.8
<b>Regional Parks</b>	44.4	1.3	32.8	11.6
<b>Solid Waste Services</b>	42.8	13.3	13.3	29.5
<b>Water Services</b>	484.6	438.3	438.3	46.3
	<b>\$ 1,768.3</b>	<b>\$ 292.4</b>	<b>\$ 1,394.1</b>	<b>\$ 374.2</b>

**Treasury Results**

As a result of capital projects progressing to completion and or ramping up in 2025, the total projected MFA borrowing for 2025 is \$600.0M, which is aligned with the forecasted borrowing. Furthermore, the MFA long-term borrowing rate for the 2025 Spring borrowing was 3.55%, which is lower than the Spring borrowing 2024 rate of 4.40% indicating a softening in long-term interest rates. The impact of lower interest rates results in slightly lower than expected debt service ratio (interest and principal payments to revenue) from 17.9% to 16.3%.

Figure 1 below provides the April 2025 actual cash position and cash flow forecast for rest of 2025. Tax Revenue is collected in August, DCC's are collected in July and December, Water, Solid Waste, Housing Rental Revenues are collected monthly and Sewer Levies are collected in August. Treasury is continuously reviewing cash and reserve balances to debt requirements to ensure adequate liquidity to sustain operations and managing risk while also making efficient use of its cash.

*Figure 1. Metro Vancouver Cash Position and Forecast from April – December 2025*

**Metro Vancouver's 2025 Financial Performance Report No. 1**

Finance Committee Regular Meeting Date: June 12, 2025

Page 4 of 6

The average investment returns as of April 2025 have decreased since December 2024, to 3.75% for short-term and 4.09% for long-term. As interest rates are expected to decline, Metro Vancouver's rate of return is also expected to decline as maturing investments will be re-invested into the current market. The total estimated weighted average annualized return at April 2025 was 3.89%, slightly lower than 4.52% reported in December 2024.

**Procurement**

The tables below provide the value of awards approved by the Metro Vancouver Board, as well as those approved by the Corporation in excess of \$500,000 that are not awarded by the Board in accordance with the existing Board-approved Procurement Policy. It is expected that procurement activity will increase with respect to the number of awards as well as the value due to the significant capital program. First quarter of 2025 includes the PCL contract for NSWWTP.

*Table 3. Number of Contracts Awarded*

<b>Award Type</b>	<b>Year-to-date April 2025</b>	<b>2024</b>	<b>2023</b>	<b>2022</b>
Board Awarded	3	20	16	20
Corporate Awarded	101	101	51	53
Total	104	121	67	73

*Table 4. Number of Contracts Awarded*

<b>Award Type</b>	<b>Year-to-date April 2025</b>	<b>2024</b>	<b>2023</b>	<b>2022</b>
Board Awarded	\$2,209,304,212	\$911,002,450	\$465,895,019	\$434,664,449
Corporate Awarded	48,928,675	176,908,632	71,980,936	89,019,028
Total	\$2,258,232,887	\$1,087,911,082	\$537,875,955	\$523,683,477

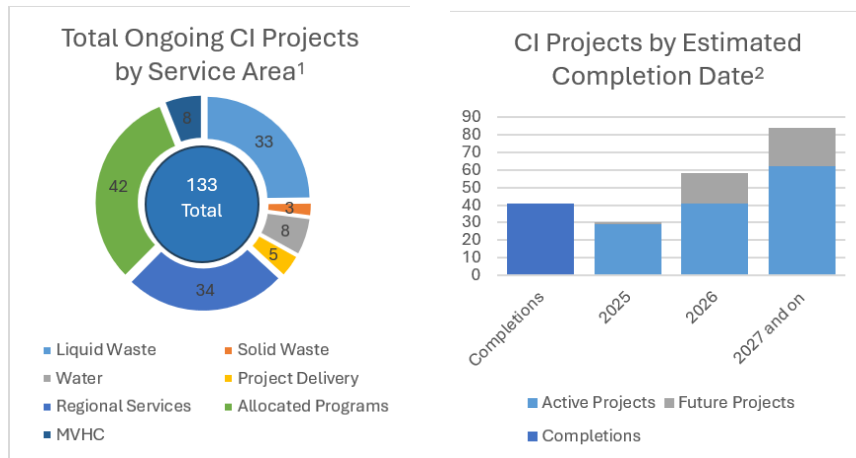
**Continuous Improvement**

There are currently over 130 continuous improvement projects underway across the organization. Continuous improvement is a core value for the organization and is intended to enhance efficiency and deliver better service internally and externally.

**Metro Vancouver's 2025 Financial Performance Report No. 1**

Finance Committee Regular Meeting Date: June 12, 2025

Page 5 of 6



<sup>1</sup>Total Ongoing CI Projects by Service Area illustrates the total number of projects identified and by service area. The number of CI projects within an area may not reflect the significance or potential cost savings of the initiatives.

<sup>2</sup>CI Projects by Estimated Completion Date displays the number of active and future projects by expected year of completion.

## ALTERNATIVES

This report is provided for information; no alternatives are presented.

## FINANCIAL IMPLICATIONS

The Metro Vancouver's 2025 Financial Performance Report No. 1 indicates that Metro Vancouver is anticipating a net operating surplus to budget of \$17.6 million for 2025 (1.2% of the total \$1.5 billion operating budget) and a capital spend of approximately 80% of the \$1.8 billion 2025 annual cash flow target. Staff continue to monitor the financial performance including reporting on treasury, procurement and continuous improvement on a monthly basis and will provide the second financial report to the Finance Committee and the Board in the Fall of 2025 and the final 2025 financial report and year-end results to the Finance Committee and Board in April 2026.

## CONCLUSION

This report provides the first report for 2025 on the financial performance of Metro Vancouver. It is forecasted that Metro Vancouver will have a \$ 17.6 million net operating surplus to budget for 2025 (1.2% of the total \$1.5 billion operating budget) and capital expenditures are forecasted at approximately 79% of the annual cash flow target of \$1.8 billion. Staff continue to monitor the financial performance against the budgeted cash flow requirements, including reporting on treasury, procurement, and continuous improvement on a monthly basis and will report to the Finance Committee and Board the second financial performance report in the Fall 2025 and the 2025 year-end results in April 2026.

## ATTACHMENT

1. Metro Vancouver's 2025 Financial Performance Report No. 1.



## **METRO VANCOUVER 2025 FINANCIAL PERFORMANCE REPORT NO. 1**

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**Actuals to April 30, 2025, with  
Estimated Financial Forecast to December 31, 2025**

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## Table of Contents








INTRODUCTION .....	3
FINANCIAL PERFORMANCE AT A GLANCE .....	4
OPERATING RESULTS.....	5
CAPITAL PROGRAM.....	11
TREASURY RESULTS.....	26
PROCUREMENT .....	31
CONTINUOUS IMPROVEMENT PROJECTS.....	38

## INTRODUCTION

This report presents the first of three financial performance reports for 2025. It combines the financial performance and annual forecast information of Metro Vancouver's four legal entities: Greater Vancouver Water District, Greater Vancouver Sewerage and Drainage District, Metro Vancouver Housing Corporation, and Metro Vancouver Regional District. The final report for fiscal 2025 will include the 2025 year-end audit results.



## FINANCIAL PERFORMANCE AT A GLANCE

	Trend	Commentary
Operating Expenditures		As of April 30, 2025, operating results indicate a surplus of \$18.3M. Operating expenditures are at 93% of the year-to-date (YTD) expected budget or 23% of the annual budget (\$334.3M out of \$1.5B). YTD revenues are lower than budget by \$6.5M (3.8% of YTD budget). It is forecasted that for 2025, the year-end net operating surplus to budget will be \$17.6M (1.2% of the \$1.5B operating budget). Overall forecasted surpluses are in Water Services of \$1.1, Liquid Waste Services of \$11.5M, Metro Vancouver Housing of \$1.6M, and Regional District Services of \$3.4M, primarily from staff vacancies, lower than budget core operational expenses for liquid waste, delays in projects.
Capital Expenditures		Capital expenditures as of April 30, 2025 are \$292.4M or 17% of total planned spending of \$1.8B annual capital expenditures. Year-end, capital expenditures are forecasted at approximately 80% of the annual capital expenditure target of \$1.8B. Work has progressed on several multi-year projects and there is anticipated advancement in major projects as they move into various stages of construction phases, such as the Coquitlam Water Main, Annacis Water Supply Tunnel, and NSWWTTP.
Awarded Procurement		3 awards were approved by the Board with a value of \$2.2B, which is 98% of the total value of awarded contracts in the first four months.
Cash Flow Scenarios		Projected annual cash balance remains positive. Although current cash balance remains positive, a decline in cash by year-end is forecasted as capital spend ramps up and we only borrow what we require.
Investments		The latest report on investments indicated an estimated weighted average annualized return of 3.89%.
Financial Indicators		The ratios indicate a sufficient position to pay off current liabilities and forecasted debt servicing is less than budgeted.
Continuous Improvement		There are currently over 130 continuous improvement initiatives underway that will continue to advance the Board's Strategic Priorities.

## OPERATING RESULTS

### Overall Net Operating Surplus to Budget

As of April 30, 2025, Metro Vancouver's year-to-date operating surplus to budget is \$18.3M. By year-end, the forecasted year-end net operating surplus to budget is anticipated at \$17.6M (1.2%% of the \$\$1.5B budget). The 2025 overall forecasted surpluses are in Water Services of \$1.1M, Liquid Waste Services of \$11.5M, Metro Vancouver Housing of \$1.6M, and Regional District Services of \$3.4M.

	<b>Year-to-date Actual Surplus</b>	<b>Year-end Forecast Surplus</b>
<b>Greater Vancouver Water District</b>	\$ 3,837,209	\$ 1,139,634
<b>Greater Vancouver Sewerage and Drainage District</b>		
<b>Liquid Waste Services</b>	9,510,079	11,455,213
<b>Solid Waste Services</b>	(746,224)	—
<b>Metro Vancouver Housing Corporation</b>	2,845,515	1,577,651
<b>Metro Vancouver Regional District</b>	2,813,459	3,409,266
	<b>\$ 18,260,038</b>	<b>\$ 17,581,764</b>

Key drivers related to the operating results are highlighted in the following schedules.

## Operating Budget Summary

Metro Vancouver Operating Budget Summary For the Four Months Ended April 30, 2025							
	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	% Actual to YTD Budget	Year-to-date Variance
<b>REVENUES</b>							
Key Service Revenues							
Water Sales	\$ 399,008,564	\$ 399,008,564	\$ —	\$ 87,630,373	\$ 87,035,338	99%	\$ (595,035)
Liquid Waste Services Levy	575,550,267	575,550,267	—	—	—	—%	—
Solid Waste Tipping Fees	148,874,301	156,024,547	7,150,246	49,280,176	48,884,525	99%	(395,651)
Metro Vancouver Regional District Requisitions	117,237,833	117,237,833	—	—	—	—%	—
Housing Rents	44,610,986	44,458,846	(152,140)	14,870,340	15,997,086	108%	1,126,746
	<u>1,285,281,951</u>	<u>1,292,280,057</u>	<u>6,998,106</u>	<u>151,780,889</u>	<u>151,916,949</u>	<u>100%</u>	<u>136,060</u>
Other Revenues							
	<u>60,315,555</u>	<u>51,654,123</u>	<u>(8,661,432)</u>	<u>11,615,779</u>	<u>8,680,283</u>	<u>75%</u>	<u>(2,935,496)</u>
Reserve Transfers							
	<u>118,065,190</u>	<u>113,510,219</u>	<u>(4,554,971)</u>	<u>7,094,639</u>	<u>3,423,677</u>	<u>48%</u>	<u>(3,670,962)</u>
<b>TOTAL REVENUES</b>	<b><u>\$1,463,662,696</u></b>	<b><u>\$1,457,444,399</u></b>	<b><u>\$ (6,218,297)</u></b>	<b><u>\$ 170,491,307</u></b>	<b><u>\$ 164,020,909</u></b>	<b><u>96%</u></b>	<b><u>\$ (6,470,398)</u></b>
<b>EXPENDITURES</b>							
Greater Vancouver Water District							
	\$ 408,867,559	\$ 408,251,730	\$ 615,829	\$ 97,588,541	\$ 92,741,715	95%	\$ 4,846,826
Greater Vancouver Sewerage and Drainage District							
Liquid Waste Services	681,878,667	678,604,528	14,729,352	149,289,760	138,191,084	93%	11,098,676
Solid Waste Services	160,053,191	167,384,594	(7,331,403)	49,430,421	48,753,073	99%	677,348
Metro Vancouver Housing Corporation	60,687,829	56,498,446	4,189,383	18,504,135	14,099,565	76%	4,404,570
Metro Vancouver Regional District							
Regional Parks	89,473,461	85,897,167	3,576,294	28,841,605	26,440,408	92%	2,401,197
Air Quality and Climate Action	16,293,920	15,308,951	984,969	4,837,126	4,124,057	85%	713,069
Other Regional Services	46,408,069	39,372,432	7,035,637	10,492,935	9,904,185	94%	588,750
<b>TOTAL EXPENDITURES</b>	<b><u>\$1,463,662,696</u></b>	<b><u>\$1,439,862,635</u></b>	<b><u>\$ 23,800,061</u></b>	<b><u>\$ 358,984,523</u></b>	<b><u>\$ 334,254,087</u></b>	<b><u>93%</u></b>	<b><u>\$ 24,730,436</u></b>
<b>SURPLUS (DEFICIT)</b>	<b><u>\$ —</u></b>	<b><u>\$ 17,581,764</u></b>	<b><u>\$ 17,581,764</u></b>	<b><u>\$(188,493,216)</u></b>	<b><u>\$(170,233,178)</u></b>		<b><u>\$ 18,260,038</u></b>

- Overall revenues as of April 30, 2025 are lower than budget by \$6.5M (3.8% of YTD budget) due primarily to lower reserve usage and lower external revenue streams compared to budget. Reserve transfers for funding Housing and Parks capital replacement and maintenance programs were \$2.7M lower than anticipated largely related to timing of capital replacement work as projects are taking longer than anticipated. It is anticipated that the trend for higher Solid Waste system waste flows will continue, resulting in overall year-end revenues expected to be \$7.3M higher than budget.
- Overall expenditures as of April 30, 2025 are at 93% of the year-to-date expected budget or 23% of the annual budget (\$334.3M out of \$1.5B). Key factors contributing to lower expenditures than budget include staff vacancies, deferred operating projects, and the timing of capital replacement, operating and maintenance expenditures. It is anticipated the trend for higher landfill costs and operations and maintenance costs in Solid Waste Services will be higher than budget. This variance is mitigated by lower than anticipated debt service costs and timing of capital replacement and maintenance projects in Housing. By year-end, overall expenditures are forecasted to be under budget by \$23.8M or 2% of annual budget.
- Based on current forecasts, the net year-end surplus to budget is forecasted to be \$17.6M (1.2% of the \$1.5B budget).

### Operating Surplus Analysis by Entity

**Water Services** has a current YTD surplus of \$3.9M with a forecasted surplus of \$1.1M by year-end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Greater Vancouver Water District</b>						
Revenues	\$408,867,559	\$409,391,364	\$ 523,805	\$ 88,586,797	\$ 87,577,180	\$ (1,009,617)
Expenditures	408,867,559	408,251,730	615,829	97,588,541	92,741,715	4,846,826
Surplus (Deficit)	\$ —	\$ 1,139,634	\$ 1,139,634	\$ (9,001,744)	\$ (5,164,535)	\$ 3,837,209

- Year-to-date water revenues are currently \$1.0M lower than budget, largely due to \$0.6M lower water sales than anticipated from slightly less than expected consumption levels overall during the first four months. By year-end, water sales are projected to be on budget, with an overall anticipated year-end revenue surplus of \$0.5M due to slightly more DCC revenue use to pay for growth debt of \$0.7M offset by less reserve use (\$0.2M) than planned due to delays in SIF project expenses.
- Year-to-date expenditures are \$4.9M less than budget, primarily in water supply, maintenance and treatment plant operational underspends to-date of close to \$4.0M along with underspends in policy and planning project work of \$0.4M, and several other operating programs underspends year-to-date of \$1.6M, offset by slight overspends to-date of \$1.1M (minor capital project work of close to \$0.9M and also for dam safety project work of close to \$0.2M.)
- Overall Water expenses projections indicate projections of close to \$0.6M under budget by year-end.

**Liquid Waste Services** has a YTD surplus of \$9.5M with a forecasted surplus of \$11.5M by year-end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Greater Vancouver Sewerage and Drainage District</b>						
<b>Liquid Waste Services</b>						
Revenues	\$681,878,667	\$678,604,528	\$ (3,274,139)	\$ 4,030,860	\$ 2,442,263	\$ (1,588,597)
Expenditures	681,878,667	667,149,315	14,729,352	149,289,760	138,191,084	11,098,676
Surplus (Deficit)	\$ —	\$ 11,455,213	\$ 11,455,213	\$ (145,258,900)	\$ (135,748,821)	\$ 9,510,079

- Year-to-date revenues are \$1.6M lower than budget due primarily to the timing of receipts for trucked liquid waste user/permit fees revenues. By year end, revenues are projected to be lower than budgeted by \$3.3M primarily due to reduced Trucked Liquid Waste revenues.
- Year-to-date expenditures are \$11.1M lower than budget primarily due to the timing of receipt and approval of invoices relative to the budgeted timing of core program (plus allocated) expenditures.
- Overall expenditures by year-end are forecasted to be \$14.7M lower than budgeted primarily as a result of the program to trial alternate low GHG long-haul technologies put on hold, delay of the Hydrothermal Liquifaction (HTL) project and associated operating costs at the Annacis Island wastewater treatment plant, reducing the use of external contractors for civil maintenance by the expansion of in-house construction capacity, and projected underspends in the minor capital project costs and other allocated program service costs.

**Solid Waste Services** had a YTD deficit of \$0.7M, with a forecast to be on budget by year-end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Greater Vancouver Sewerage and Drainage District</b>						
<b>Solid Waste Services</b>						
Revenues	\$160,053,191	\$167,384,594	\$ 7,331,403	\$ 53,006,480	\$ 51,582,908	\$ (1,423,572)
Expenditures	160,053,191	167,384,594	(7,331,403)	49,430,421	48,753,073	677,348
Surplus (Deficit)	\$ —	\$ —	\$ —	\$ 3,576,059	\$ 2,829,835	\$ (746,224)

- Year-to-date revenues are \$1.4M lower than anticipated driven primarily by timing of energy sales at the Waste to Energy Facility. Expenditures were \$0.7M lower as a result of timing due to a vendor changeover at the Waste-to-Energy facility, which is expected to ramp up as part of new vendor onboarding.
- Economic recovery and regional growth following the pandemic continue to contribute to 2025 waste quantities remaining similar to the previous year. As a result, waste flows along with additional commercial organics are expected to drive tipping fee revenues \$7.3M greater than budget by the end of year.
- Expenditures by year-end are forecasted to be higher by \$7.3M mainly due to increased contingency disposal costs associated with the expected waste tonnage.

The **Metro Vancouver Housing (MVHC)** had a YTD surplus of \$2.8M with a forecasted surplus of \$1.6M by year-end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Metro Vancouver Housing Corporation</b>						
Revenues	\$ 60,687,829	\$ 58,076,097	\$ (2,611,732)	\$ 19,363,463	\$ 17,804,408	\$ (1,559,055)
Expenditures	60,687,829	56,498,446	4,189,383	18,504,135	14,099,565	4,404,570
Surplus (Deficit)	\$ —	\$ 1,577,651	\$ 1,577,651	\$ 859,328	\$ 3,704,843	\$ 2,845,515

- For the first four months, revenues were \$1.6M lower than anticipated largely related to the timing of capital replacement and maintenance expenditures which results in a lower than budgeted transfer from reserve funds into annual revenues. By year-end, it is anticipated that revenues will be \$2.6M lower than budget.
- Year-to-date expenditures were \$4.4M lower than anticipated, primarily due to reduced debt servicing costs resulting from delays in the completion of new rental properties.
- The forecasted year-end net operating surplus of \$1.6M is largely attributed to the following factors: savings from lower debt servicing costs and property operating costs for new rental properties with delayed completion and less than expected spending on capital maintenance projects due to delays in projects.

### Metro Vancouver Regional District

**Regional Parks** had a YTD surplus of \$1.4M with a forecasted surplus of \$0.3M by year-end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Metro Vancouver Regional District</b>						
<b>Regional Parks</b>						
Revenues	\$ 89,473,461	\$ 86,161,877	\$ (3,311,584)	\$ 3,823,631	\$ 2,822,690	\$ (1,000,941)
Expenditures	89,473,461	85,897,167	3,576,294	28,841,605	26,440,408	2,401,197
Surplus (Deficit)	\$ —	\$ 264,710	\$ 264,710	\$ (25,017,974)	\$ (23,617,718)	\$ 1,400,256

- Year-to-date revenues were under budget by \$1.0M due to delay in reserve funded projects in the capital maintenance program. By year-end, it is anticipated that revenue will be \$3.3M lower than budget due to less reserve usage.
- Year-to-date expenditures for the Parks were \$2.4M lower than budget due to labour vacancies and the timing of capital maintenances, which will increase over Q2 and Q3. By year-end, it is anticipated that expenditures will be \$3.5M lower than budget due to labour vacancies and deferred litigation costs.
- The forecasted year-end net operating surplus of \$0.3M is largely due to projected savings from labour vacancies.

**Air Quality and Climate Action** had a YTD surplus of \$1.1M with a forecasted surplus of \$0.9M by year end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Metro Vancouver Regional District</b>						
<b>Air Quality and Climate Action</b>						
Revenues	\$ 16,293,920	\$ 16,243,920	\$ (50,000)	\$ 980,532	\$ 1,382,006	\$ 401,474
Expenditures	16,293,920	15,308,951	984,969	4,837,126	4,124,057	713,069
Surplus (Deficit)	\$ —	\$ 934,969	\$ 934,969	\$ (3,856,594)	\$ (2,742,051)	\$ 1,114,543

- Year-to-date revenues are higher than budget by \$0.4M, largely due to timing of revenue collected for Air Quality Monitoring service agreements. Revenue is expected to be largely on target by end of the year.
- Year-to-date expenditures were \$0.7M lower than budget primarily due to labour underspends from position vacancies and delays in project contracted services. By year-end, expenditures are forecasted to be lower than budget by \$1.0M largely from labour underspends due to vacancies and includes \$50k in unspent SIF budget, which will be deferred to 2026.
- The forecasted year-end net operating surplus of \$0.9M is largely due to the labour underspends from position vacancies.

**Other Regional Services** had a YTD surplus of \$0.4M with a forecasted surplus of \$2.2M by year-end.

	Annual Budget	Year-end Forecast	Projected Variance	Year-to-date Budget	Year-to-date Actual	Year-to-date Variance
<b>Metro Vancouver Regional District</b>						
<b>Other Regional Services</b>						
Revenues	\$ 46,408,069	\$ 41,582,019	\$ (4,826,050)	\$ 699,544	\$ 409,454	\$ (290,090)
Expenditures	46,408,069	39,372,432	7,035,637	10,492,935	9,904,185	588,750
Surplus (Deficit)	\$ —	\$ 2,209,587	\$ 2,209,587	\$ (9,793,391)	\$ (9,494,731)	\$ 298,660

- Overall year-to-date expenditures for Regional Services were \$0.6M lower than budget largely due to lower salary costs from staff vacancies and delays in project contracted services. Overall year-to-date revenues for Regional Services were \$0.3M lower than budget largely due to timing of projects and associated funding.
- The forecasted year-end expenditures are expected to be under budget by \$7.0M primarily due to Barnston Island dyke improvements project timeline revisions as well as position vacancies. Forecasted grant revenues for Barnston Island are also expected to be lower as these are tied to the project timeline. This is resulting in a projected year-end surplus of \$2.2M.

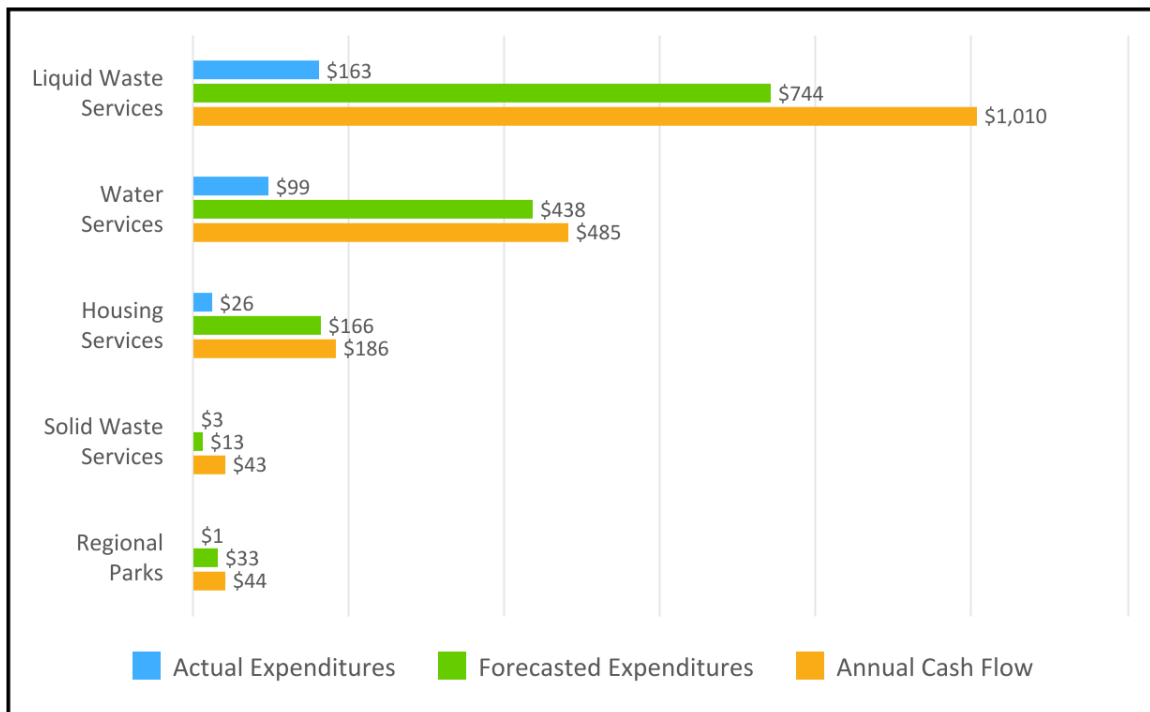
## CAPITAL PROGRAM

### Overall Capital Expenditures

As of April 30, 2025, capital expenditures are \$292.4M, or 17% of the annual cash flows. Significant spending is expected in Liquid Waste and Water Services. These areas account for nearly 85% of the total capital cash flows of \$1.8B. Year end, capital expenditures are forecasted at approximately 80% of the annual cash flow target of \$1.8B. This is a higher spend compared to previous years due to the anticipated construction advancement in major projects as they move into the construction phase.

### Capital Expenditure at a Glance

2025 Capital Cash Flow vs Year-to-date Actual Expenditures in \$ Millions





## Capital Expenditure Summary

2025 Capital Spending Summary For the Four Months Ended April 30, 2025						
	Annual Capital Cash Flow	Year-to-date Actual Expenditures	Forecasted Expenditures	Forecasted Expenditures of Annual Cash Flow (%)	Forecasted Expenditures Variance from Annual Cash Flow (\$)	Forecasted Expenditures Variance from Annual Cash Flow (%)
<b>Housing Services</b>						
Development Capital	\$ 160,446,000	\$ 24,622,461	\$ 154,498,619	96%	\$ 5,947,381	4%
Building Rehabilitation	25,710,000	1,734,179	11,565,000	45%	14,145,000	55%
	<b>186,156,000</b>	<b>26,356,639</b>	<b>166,063,619</b>	<b>89%</b>	<b>20,092,381</b>	<b>11%</b>
<b>Liquid Waste Services</b>						
Collections	198,344,000	17,734,671	169,357,252	85%	28,986,748	15%
Treatment Plants	812,078,000	145,065,857	574,249,682	71%	237,828,318	29%
	<b>1,010,422,000</b>	<b>162,800,528</b>	<b>743,606,934</b>	<b>74%</b>	<b>266,815,066</b>	<b>26%</b>
<b>Regional Parks</b>						
Capital Development	24,400,000	1,155,497	17,750,000	73%	6,650,000	27%
Parkland Acquisition	20,000,000	135,370	15,000,000	75%	5,000,000	25%
	<b>44,400,000</b>	<b>1,290,867</b>	<b>32,750,000</b>	<b>74%</b>	<b>11,650,000</b>	<b>26%</b>
<b>Solid Waste Services</b>						
Landfills	5,550,000	262,978	640,000	12%	4,910,000	88%
Recycling and Waste Centres	8,350,000	474,566	850,000	10%	7,500,000	90%
Waste to Energy Facilities	28,755,000	1,969,268	11,830,000	41%	16,925,000	59%
	<b>42,655,000</b>	<b>2,706,813</b>	<b>13,320,000</b>	<b>31%</b>	<b>29,335,000</b>	<b>69%</b>
<b>Water Services</b>						
Water Mains	352,572,000	74,567,853	337,764,900	96%	14,807,100	4%
Pump Stations	52,350,000	9,342,359	36,243,000	69%	16,107,000	31%
Reservoirs	15,200,000	7,140,825	18,135,000	119%	(2,935,000)	(19)%
Treatment Plants	45,900,000	4,981,046	37,555,000	82%	8,345,000	18%
Others	18,510,000	3,188,427	8,560,000	46%	9,950,000	54%
	<b>484,532,000</b>	<b>99,220,510</b>	<b>438,257,900</b>	<b>90%</b>	<b>46,274,100</b>	<b>10%</b>
<b>Total</b>	<b>\$1,768,165,000</b>	<b>\$ 292,375,357</b>	<b>\$1,393,998,453</b>	<b>79%</b>	<b>374,166,547</b>	<b>21%</b>

**Metro Vancouver Housing (MVHC)**

(In millions)	Annual Capital Cash Flow	Forecasted Expenditures	Projected Variance
Development Capital	\$ 160.4	\$ 154.5	\$ 5.9
Building Rehabilitation	25.7	11.6	14.1
<b>Total</b>	<b>\$ 186.1</b>	<b>\$ 166.1</b>	<b>\$ 20.0</b>

Year-to-date capital expenditures are \$26.3M (14%) and are forecasted at \$166.1M (89%) by year-end.

- Housing projects are well underway - Heron's Nest, The Connection, and The Steller are progressing with excavation nearing completion and below-grade structures commencing, resulting in ramped-up expenditures in 2025 and continuing into 2026. Construction of Heather Place B and Kingston Gardens 5 will be completed and in the rent-up phase in 2025, while Salal Landing is expected to be completed in 2026.
- Due to delays in capital rehabilitation projects stemming from scope changes, contractor delays, permit processing, and staff onboarding and mobilization, the forecasted year-end spend is lower than expected.
- Through strategic partnerships, funding and financing programs, Metro Vancouver Housing is leveraging its available resources to build and renew homes with no additional impact to household tax requisitions.

**Liquid Waste Services**

(In millions)	Annual Capital Cash Flow	Forecasted Expenditures	Projected Variance
Collections	\$ 198.3	\$ 169.4	\$ 28.9
Treatment Plants	812.1	574.2	237.9
<b>Total</b>	<b>\$ 1,010.4</b>	<b>\$ 743.6</b>	<b>\$ 266.8</b>

Year-to-date capital expenditures are \$162.8M (16%) with a forecasted spend of \$743.6M (74%) by year-end.

- Many projects are advancing into various stages of the project timeline such as Gilbert/Brighthouse Trunk Sewer, Gleneagles Pump Station Improvements, North Surrey Interceptor Improvements, NSI SSO Storage, Port Coquitlam Pump Station Refurbishment, and Royal Ave Pump Station Rehabilitation. NSWWTP continues to ramp up its construction activities in 2025 with the awarded contract with PCL. Ground improvement works at NLWWTP is moving at a slower rate due to delays related to archeological issues. On direction of the Board, IWWTP has deferred ground and utility preparation works to proceed with a phased options assessment of the Board approved Project Definition Report to identify affordability and delivery alternatives of the work program while design work is progressing. For Annacis Island WWTP (Stage 5 Expansion) work on the influent channel to the Solids Contact Tanks (SCTs) and within SCTs 1 and 4, which is part of the Annacis Island WWTP (Stage 5 Expansion) has been postponed until the summer of 2026

### Regional Parks

(In millions)	Annual Capital Cash Flow	Forecasted Expenditures	Projected Variance
Capital Development	\$ 24.4	\$ 17.8	\$ 6.6
Parkland Acquisition	20.0	15.0	5.0
<b>Total</b>	<b>\$ 44.4</b>	<b>\$ 32.8</b>	<b>\$ 11.6</b>

Year-to-date capital expenditures are \$1.3M (3%) and are forecasted at \$32.8M (74%) by year end.

- Progress continues on major projects including Widgeon Marsh Phase 1, Campbell Valley Greenway extension and Grouse Mountain Park Development. Some projects are taking longer than anticipated largely due to permitting requirements (Boundary Bay Perimeter Trail, Belcarra South Redevelopment). Timing of expenditures with respect to land acquisition is dependent on availability and market conditions.

### Solid Waste Services

(In millions)	Annual Capital Cash Flow	Forecasted Expenditures	Projected Variance
Landfills	\$ 5.6	\$ 0.6	\$ 5.0
Recycling and Waste Centres	8.4	0.9	7.5
Waste to Energy Facilities	28.8	11.8	17.0
<b>Total</b>	<b>\$ 42.8</b>	<b>\$ 13.3</b>	<b>\$ 29.5</b>

Year-to-date capital expenditures are \$2.8M (6%) and are forecasted at \$13.3M (31%) by year-end.

- The forecasted spend is lower than initially projected as a result of longer than expected timelines to initiate construction on various capital projects. Contributing factors include additional engagement steps in the development of project scopes, longer than expected timelines to develop municipal agreements for infrastructure projects, and additional permitting steps not initially anticipated. Despite these complexities, detailed design and procurement are underway for the Waste-to-Energy Facility District Energy system and many other projects are moving to the next phase of the project timelines.

**Water Services**

(In millions)	Annual Capital Cash Flow	Forecasted Expenditures	Projected Variance
Water Mains	\$ 352.6	\$ 337.8	\$ 14.8
Pump Stations	52.4	36.2	16.2
Reservoirs	15.2	18.1	-2.9
Treatment Plants	45.9	37.6	8.3
Others	18.5	8.6	9.9
<b>Total</b>	<b>\$ 484.6</b>	<b>\$ 438.3</b>	<b>\$ 46.3</b>

Year-to-date capital expenditures \$99.2M (20%) and forecasted at \$438.3M (90%) by year-end.

- Construction activities underway for Stanley Park Water Supply Tunnel, Annacis Water Supply Tunnel, Central Park Main, Kennedy Newton Main, Douglas Road Main No. 2, and Fleetwood Reservoir. Spending for Coquitlam Main No. 4 are expected to ramp up due to contractor acceleration. Annacis Main No. 5 (North) and the Newton Pump Station No. 2 construction is planned to commence later in 2025.

The following schedules provide detailed information on the capital expenditures by project against annual capital cash flow *as of April 30, 2025*.

## Metro Vancouver

### Capital Expenditures by Project

For the Four Months Ended April 30, 2025

Housing Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
<b>Development Capital</b>		
Housing Development - Heather Place - Building B	\$ 16,468,000	\$ 3,580,518
Housing Development - Heather Place - Building C	2,265,000	32,171
Housing Development - Heron's Nest	32,000,000	3,527,612
Housing Development - Kingston Gardens - Phase 1	3,500,000	419,587
Housing Development - Malaspina	6,000,000	426,216
Housing Development - Park Court	100,000	—
Housing Development - Projects in Planning	200,000	—
Housing Development - Riverside Drive	806,000	101,490
Housing Development - Salal Landing	14,305,000	823,961
Housing Development - The Connection	46,248,000	8,248,035
Housing Development - The Steller	38,554,000	7,462,871
<b>Total Development Capital</b>	<b>160,446,000</b>	<b>24,622,461</b>
<b>Building Rehabilitation</b>		
Housing Development - Crown Manor	3,840,000	27,250
Housing Development - Le Chateau Place	5,900,000	14,752
Housing Development - Manor House	2,470,000	61,065
Housing Development - Minato West	5,900,000	669,171
Housing Development - Regal	100,000	—
Housing Development - Somerset Gardens	500,000	—
Housing Development - Strathearn Court	7,000,000	961,941
<b>Total Building Rehabilitation</b>	<b>25,710,000</b>	<b>1,734,179</b>
<b>Total Housing Services</b>	<b>\$ 186,156,000</b>	<b>\$ 26,356,639</b>

Liquid Waste Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
<b>Collections</b>		
104th Ave PS and FM for Redirection to NLWWTP	\$ 100,000	\$ 1,888
Albert Street Trunk Sewer	50,000	—
Big Bend Forcemain - Gate Replacement	176,000	—
Burnaby Lake North Interceptor Winston Section	15,966,000	827,287
Cloverdale Pump Station Capacity Upgrade	1,100,000	24,789
Cloverdale Trunk Sewer Capacity Upgrade	600,000	9,324
Columbia Forcemain (CLT) Rehabilitation	13,000,000	83
Combined Sewer Overflow Sampling Station Enhancements	410,000	26,545
Crescent Beach FM - Replacement	100,000	359,376
Drainage - Eagle Creek (Lower Section) Channel Restoration	500,000	—
Drainage - LWS Pump Station Programmable Logic Controller Replacements - Drainage	50,000	—
Drainage - Port Moody Storm Drain Rehabilitation	900,000	53,774
Drainage - Still Creek Culvert Rehabilitation (Gilmore section)	100,000	8,718
EMQC-Chemistry Laboratory	1,000,000	166,747
FSA Flow Metering Program	1,070,000	49,010
FSA River Crossing Scour Protection Program - Phase 1	500,000	4,145
FSA Sewer Relocations and Protections	1,650,000	—
FSA Statutory Right of Way Acquisitions Phase 1	3,500,000	2,046,123
Fraser Sewerage Area Integrated Resource Recovery (IRR) Study	429,000	31,142
Front Street Pressure Sewer Access Hatches Reinforcement	50,000	46,956
Gilbert/Brighthouse Trunk Pressure Sewer Twinning Phase 2	6,887,000	—
Gilbert/Brighthouse Trunk Pressure Sewer Twinning Phase 3	18,000,000	2,284,350
Gilbert/Brighthouse Trunk Pressure Sewer Twinning Phase 4	10,000,000	1,402,772
Glenbrook CSO Gate Replacement	100,000	44,095
Glenbrook Combined Trunk Kingsway Sanitary Section	1,000,000	58,276
Glenbrook Combined Trunk Sewer Separation	50,000	89
Gleneagles Forcemain Replacement Phase 2	5,007,000	38,790
Gleneagles Pump Stations Improvements	5,835,000	2,797,927
Harbour Pump Station Discharge Header Repair and Valve Replacements	259,000	736,854
Harbour Pump Station Power Distribution Equipment Replacement	1,524,000	59,126
Harbour Sewerage Pump Station (HRB) - Suction Piping Replacement	850,000	12,753
Highbury Interceptor Diversion Junction Chamber Wall Rehabilitation	250,000	37,521
Jervis Pump Station 25kV Voltage Conversion	50,000	6,408
Jervis Sewerage Pump Station (JRV) - Suction Piping Replacement and Wet Well Modifications	500,000	3,306
Kent Pump Station High Voltage Switchgear Replacement	960,000	56,158
LWS Pump Station PLC Replacement Project	300,000	—
LWS Pump Station Programmable Logic Controller Replacements	300,000	—
LWS Pump Station Programmable Logic Controller Replacements	50,000	—
LWS Pump Station Programmable Logic Controller Replacements	50,000	—
Marshend Pump Station Capacity Upgrade	1,350,000	241,537
NSA Flow Metering Program	772,000	42,674

Liquid Waste Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
NSA Scour Protection Upgrades	50,000	25,294
NSI - River Road	1,500,000	—
NSI MH35 SSO Storage Tank	2,500,000	868,728
NSI Manson	1,150,000	733,397
NSSA Sewer Relocations and Protections	50,000	—
NVI Lynn Branch Siphon SSO Treatment	750,000	—
NWP Dip Replacement	1,500,000	—
New West Interceptor - Annacis Section 2	5,937,000	193,721
New West Interceptor Grit Chamber	250,000	—
New Westminster Interceptor Annacis Channel Crossing Scour Protection	2,000,000	—
New Westminster Interceptor Repair Columbia St. Section	200,000	100,264
New Westminster Interceptor West Branch and Columbia Extension Rehabilitation	3,000,000	114,891
North Road Trunk Sewer	500,000	10,999
North Road Trunk Sewer Phase 2	2,000,000	117,767
North Surrey Interceptor - Fraser River Crossing	500,000	72,964
North Surrey Interceptor - Port Mann Section - Odour Control	1,000,000	16,318
North Surrey Interceptor Program	250,000	176,336
North Surrey Interceptor Roebuck 112B Ave - Replacement	150,000	94,861
Ocean Park Trunk - Crescent Beach PS Section Replacement	400,000	—
Ocean Park Trunk Manholes Lining	1,000,000	—
Ocean Park Trunk Sewer - Air Management Facility	565,000	30,613
Other - Sewer Heat Projects	8,050,000	—
Port Coquitlam Pump Station Refurbishment	1,984,000	283,472
Port Moody Pump Station Capacity Upgrade	700,000	3,926
Production Way Facility Access and Parking Improvements	1,289,000	25,505
Production Way Operation Centre	5,645,000	161,862
Royal Ave PS Rehabilitation	8,800,000	1,550,404
SSI Delta - Air Management Facility Construction	1,000,000	88,667
SSI Influent Control Chamber Repair and Replace Gates	20,000	11,359
Sapperton Pump Station	500,000	240,199
Sapperton Pump Station Emergency Backup Power	1,895,000	31,823
Sewer Heat Projects - Surrey	6,000,000	—
South Surrey Interceptor Delta Section (SSD) Rehabilitation	400,000	53,635
South Surrey Interceptor Johnston Section	14,780,000	75,406
South Surrey Interceptor Rehabilitation-Scott Road Section	500,000	—
Stoney Creek Sanitary Trunk	3,650,000	318,749
Surrey Corrosion Control Facility Replacement	50,000	564
VSA Emergency Backup Power	2,750,000	429,991
VSA Flow Metering Program	2,359,000	49,913
VSA Grit Chamber Access Improvements Spanish Banks	2,000,000	52,365
VSA Sewer Relocations and Protections	500,000	212,899
VSA Statutory Right of Way Acquisitions 2024-2026	3,000,000	—
Westridge FM Replacement	6,250,000	47,364

	Annual Capital Cash Flow	Year-to-date Actual Expenditures
<b>Liquid Waste Services</b>		
Westridge Pump Stations 1 & 2 Refurbishment	5,575,000	15,128
White Rock Forcemain Rehabilitation	50,000	29,412
Other Projects	—	17,331
<b>Total Collections</b>	<b>198,344,000</b>	<b>17,734,671</b>
<b>Treatment Plants</b>		
AIWWTP Ammonia Removal Sidestream	700,000	74,344
AIWWTP Bar Screen #1 refurbishment	300,000	3,100
AIWWTP Centrifuge Schwing HPU replacement	1,000,000	461,106
AIWWTP Chemical Lab UPS System Replacement	150,000	8,912
AIWWTP Cogeneration Backup Power	200,000	122,015
AIWWTP Digester No. 5	2,000,000	33,364
AIWWTP Electrical Distribution System Protection Control and Monitoring	100,000	30,441
AIWWTP Hydrothermal Processing Pilot	14,500,000	601,546
AIWWTP ICS Replacement Program	1,500,000	133,605
AIWWTP IPS Pump Building Roof Replacement Phase 2	1,000,000	14,091
AIWWTP Influent System Remediation	1,395,000	78,834
AIWWTP Lubrication Storage Facility Conversion	1,150,000	—
AIWWTP O&M Building Refurbishment	300,000	—
AIWWTP Outfall Repair	250,000	—
AIWWTP Process Waste Drain Line Refurbishment	1,900,000	1,024
AIWWTP Replacement of Protective Relays	50,000	1,166
AIWWTP SCL Flow Control	300,000	132,855
AIWWTP SCL Flow Leveling Phase 2	300,000	132,855
AIWWTP Scum Pump Replacement	250,000	—
AIWWTP Sludge Control Building Electrical Room HVAC upgrade	900,000	27,330
AIWWTP Stage 5 Expansion - Optimization Works	2,000,000	5,279
AIWWTP Stage 5 Expansion Phase 2	1,400,000	4,320
AIWWTP Stage 5 Expansion Phase 2 - PDE	53,000,000	3,790,910
AIWWTP Stage 5 Expansion Phase 2b	10,000,000	2,628,350
AIWWTP Station Battery Replacement - PHASE 2	50,000	15,841
AIWWTP Trickling Filter Media & Distributor Arms & Ducting Replacement	3,520,000	69,905
AIWWTP UPS Condition Monitoring System	50,000	—
Annacis Influent System Surge Control Refurbishment	2,200,000	—
Annacis MCC 80 051, 80 070, 80 071 Replacement	50,000	35,952
Annacis Outfall System	26,999,000	1,534,560
Golden Ears Forcemain and River Crossing	209,000	53,264
IIWWTP - Biogas Lines Relocation	50,000	12,706
IIWWTP Biosolids Dewatering Facility	25,000	107,715
IIWWTP CEPT Polymer Line Replacement	250,000	695,106
IIWWTP CEPT Winterization	325,000	154,162
IIWWTP Digester 4 Roof Replacement & Mixing Replacement	50,000	39,495
IIWWTP ICS IPS Control Replacement	350,000	123,260



Liquid Waste Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
IIWWTP ICS Migration Program	500,000	—
IIWWTP ICS Replacement Program	200,000	2,271
IIWWTP IPS Drive Remediation	570,000	16,209
IIWWTP MCC/Power Distribution Assess/Replace - Phase 2	50,000	—
IIWWTP Medium Pressure Sludge Gas Blowers 3 & 4 Power Supply	600,000	4,858
IIWWTP Non-Domestic Trucked Liquid Waste Alternative	520,000	4,999
IIWWTP Outfall Refurbishment	2,500,000	29
IIWWTP PA Tanks Improvement	1,000,000	23,666
IIWWTP PA-Sed Tank & Gallery Wall Refurbishment	200,000	39,095
IIWWTP Replacement of CoGen Control System	125,000	536,243
IIWWTP Siphon Chamber Refurbishment	50,000	18,831
IIWWTP Solids Handling Refurbishment	50,000	—
IIWWTP Standby Diesel Generators	100,000	—
IIWWTP Surge Mitigation	200,000	—
IIWWTP Waste Gas Burner Redundancy	1,050,000	—
Iona Island Control & Instrumentation Replacement 2011	200,000	343,510
Iona Island Wastewater Treatment Plant	147,588,000	5,707,348
LIWWTP Admin Dewatering Building Roof Repair	675,000	8,111
LIWWTP Biogas Clean-up Project	50,000	36,545
LIWWTP Effluent Heat Recovery Project	5,000,000	99,545
LIWWTP Gravity Thickener Redundancy	150,000	107,389
LIWWTP Ground Fault Detection System Replacement	600,000	16,317
LIWWTP High Efficiency Boiler	500,000	—
LIWWTP ICS Electrical Distribution System Migration Program	1,500,000	—
LIWWTP ICS Replacement Program	2,000,000	21,539
LIWWTP PA Tank Odour Control System	75,000	—
LIWWTP PA-Sed Tank Refurbishment	310,000	27,638
LIWWTP Pilot Digestion Optimization Facility	200,000	52,137
LIWWTP Power Distribution Center Replacements	50,000	—
LIWWTP Power Reliability	2,017,000	30,286
LIWWTP SCL Refurbishment	500,000	37,330
LIWWTP Trickling Filter Refurbishment	716,000	76,263
NLWWTP 25 kV Substation Replacement	150,000	24,541
NLWWTP Ground Improvements	38,122,000	478,498
NLWWTP Outfall	3,931,000	158,997
NLWWTP Stage 1	13,481,000	12,820,201
NLWWTP Standby Diesel Generator	300,000	184
North Shore WWTP Secondary Upgrade, Conveyance and Decommissioning	454,825,000	87,622,133
Regional Biosolids Dryer AIWWTP	2,500,000	25,128,950
WWTPs Electrical System Studies & Upgrades	150,000	42,729
Other Projects	—	452,058
<b>Total Treatment Plants</b>	<b>812,078,000</b>	<b>145,065,857</b>
<b>Total Liquid Waste Services</b>	<b>\$ 1,010,422,000</b>	<b>\$ 162,800,528</b>

Regional Parks	Annual Capital Cash Flow	Year-to-date Actual Expenditures
<b>Capital Development</b>		
Capital Development - Burnaby Lake - Glencarin Greenway Connection	\$ 2,000,000	\$ —
Capital Development - Burns Bog Delta Nature Reserve Development	3,500,000	63,833
Capital Development - Campbell Valley - Perimeter Greenway Trail	1,500,000	35,613
Capital Development - Campbell Valley - Replacement of Little River Loop Boardwalk	1,750,000	—
Capital Development - Codd Wetland - Park Development	200,000	—
Capital Development - Deas Island - Design and Replace Sewage Disposal System For Day Use Area	250,000	—
Capital Development - Lynn Headwaters - Park Entry Bridge & Day Use Area	250,000	234,765
Capital Development - Lynn Valley - Cable Pool Bridge Replacement	150,000	—
Capital Development - North Langley Regional Park	5,000,000	—
Capital Development - Pacific Spirit - Beach Access Improvements	200,000	—
Capital Development - Pineridge Bridge Replacement	500,000	15,483
Capital Development - Second Canyon Lookout	500,000	—
Capital Development - Shoreline Stabilization	1,500,000	—
Capital Development - Upper Campbell Corridor / South Langley	500,000	—
Capital Development - West Creek Wetlands - Park Development	300,000	—
Capital Development- Feasibility Studies	300,000	12,853
Capital Replacement and Development - Belcarra - South Picnic Area and Cabins	3,000,000	66,755
Capital Replacement and Development - Capilano New Service Yard	500,000	47,850
Capital Replacement and Development - Grouse BCMC Realignment & Improvement	500,000	1,242
Capital Replacement and Development - Widgeon Marsh New Park Development	2,000,000	247,241
Other Projects	—	429,862
<b>Total Capital Development</b>	<b>24,400,000</b>	<b>1,155,497</b>
<b>Parkland Acquisition Fund Projects</b>		
Regional Land Acquisition	20,000,000	135,370
<b>Total Parkland Acquisition Fund Projects</b>	<b>20,000,000</b>	<b>135,370</b>
<b>Total Regional Parks</b>	<b>\$ 44,400,000</b>	<b>\$ 1,290,867</b>

Solid Waste Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
<b>Landfills</b>		
Coquitlam Landfill Gas Collection Upgrades Phase II	\$ 1,000,000	\$ 87,629
Coquitlam Landfill Maintenance East Closure	2,000,000	165,639
Coquitlam Landfill Maintenance Leachate Collection System Grade Realignment	900,000	—
Coquitlam Landfill Maintenance Pump Station Upgrade	1,650,000	3,710
Other Projects	—	6,000
<b>Total Landfills</b>	<b>5,550,000</b>	<b>262,978</b>
<b>Recycling and Waste Centres</b>		
Langley Recycling Depot Development	1,500,000	271,080
Langley Recycling and Waste Centre Site Reconfiguration	2,000,000	—
Maple Ridge Recycling and Waste Centre Upgrades	750,000	—
North Surrey Compactor	100,000	202,886
North Surrey Recycling Depot Development	1,000,000	—
North Surrey Site Reconfiguration	500,000	—
Weigh Scale Replacement	2,500,000	—
Other Projects	—	600
<b>Total Recycling and Waste Centres</b>	<b>8,350,000</b>	<b>474,566</b>
<b>Waste To Energy Facilities</b>		
Biosolids Processing	7,500,000	297,431
Primary Economizer Replacement	100,000	—
WTE Facility Air System Piping Replacement	300,000	—
WTE Facility Bottom Ash Crane Replacement	800,000	22,565
WTE Facility Compressed Air System Replacement	1,200,000	497,925
WTE Facility District Energy	5,500,000	232,762
WTE Facility Electrical Transformers Replacement	1,100,000	17,901
WTE Facility Fabric Filter Hopper and Pulse Header Refurbishment	2,505,000	201,384
WTE Facility Feedwater Pump Replacement	100,000	103,060
WTE Facility Fire Suppression System	400,000	320,289
WTE Facility Generation Bank Replacement	1,000,000	3,579
WTE Facility Generator Island Mode	3,000,000	—
WTE Facility Programmable Logic Controllers Replacement	500,000	—
WTE Facility Pug Mill Enclosure Ventilation System Replacement	500,000	—
WTE Facility Refuse Crane	2,100,000	95,966
WTE Facility Refuse Pit Bunker Door Replacement	400,000	—
WTE Facility Secondary Economizers Replacement	1,200,000	3,894
WTE Facility Soot Blower Piping Replacement	300,000	—
WTE Facility Stack Refurbishment	250,000	—
Other Projects	—	172,512
<b>Total Waste To Energy Facilities</b>	<b>28,755,000</b>	<b>1,969,268</b>
<b>Total Solid Waste Services</b>	<b>\$ 42,655,000</b>	<b>\$ 2,706,813</b>

Water Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
<b>Water Mains</b>		
Angus Drive Main	\$ 500,000	\$ —
Annacis Main No. 2 - Queensborough Crossover Improvement	150,000	—
Annacis Main No. 2 and Barnston Island Main Online Chlorine and pH Analyzers	450,000	207,437
Annacis Main No. 5 (North)	10,500,000	310,830
Annacis Main No. 5 (South)	15,300,000	279,679
Annacis Water Supply Tunnel	65,000,000	25,493,898
Burnaby Mountain Main No. 2	300,000	—
Cambie-Richmond Water Supply Tunnel	2,200,000	278,108
Central Park Main No. 2 (10th Ave to Westburnco)	3,050,000	164,419
Central Park Main No. 2 (Patterson to 10th Ave)	17,900,000	4,326,620
Clayton Langley Main No. 2	550,000	2,156
Coquitlam Main No. 4 (Cape Horn)	6,590,000	311,400
Coquitlam Main No. 4 (Central Section)	5,730,000	1,349,152
Coquitlam Main No. 4 (South Section)	65,500,000	6,712,097
Douglas Road Main No. 2 (Flow Meter 169) Replacement	750,000	4,166
Douglas Road Main No. 2 (Vancouver Heights Section)	300,000	20,479
Douglas Road Main No. 2 Still Creek	3,050,000	2,057,394
Douglas Road Main Protection	50,000	—
Haney Main No. 4 (West Section)	950,000	104,917
Improvements to Capilano Mains No. 4 and 5	250,000	—
Kennedy Newton Main	20,100,000	7,138,446
Lulu Island - Delta Main - Scour Protection Phase 2	50,000	—
Lulu-Delta Water Supply Tunnel	1,300,000	52,914
Lynn Valley Road Main, Seymour Main No. 3 & Seymour Main No. 4 Aerial Crossings Rehabilitation	850,000	175,447
Maple Ridge Main West Lining Repairs	500,000	—
Newton Reservoir Connection	400,000	—
Palisade Outlet Works Rehabilitation	1,500,000	45,388
Pitt River (Haney) Water Supply Tunnel	25,000,000	122,675
Port Mann Main No. 2 (South)	50,000	2,765
Port Mann Main No. 2 (South) Whalley Reservoir Feeder Main	500,000	—
Port Mann No. 1 South Section Decommissioning	150,000	—
Port Moody Main No. 1 Christmas Way Relocation	100,000	—
Port Moody Main No. 3 Scott Creek Section	8,800,000	386,951
Queensborough Main Royal Avenue Relocation	100,000	—
Rehabilitation of AN2 on Queensborough Bridge	100,000	986
Relocation and Protection for MOTI Expansion Project Broadway	100,000	—
Relocation and Protection for MOTI George Massey Crossing Replacement	100,000	—
Relocation and Protection for Translink Expansion Project Surrey Langley SkyTrain	100,000	21,331
Sapperton Main No. 1 New Line Valve and Chamber	300,000	34,141
Sapperton Main No. 2 North Road Relocation and Protection	100,000	—
Scour Protection Assessments and Construction General	550,000	150

Water Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
Second Narrows Crossing 1 & 2 (Burrard Inlet Crossing Removal)	400,000	—
Second Narrows Water Supply Tunnel	15,000,000	4,249,892
Seymour Main No. 2 Joint Improvements	50,000	8,505
Seymour Main No. 5 III ( North )	2,000,000	95,282
South Delta Main No. 1 - Ferry Road Check Valve Replacement	100,000	16,531
South Delta Mains - 28 Ave Crossover	500,000	19,255
South Fraser Storage Yard	1,500,000	36,289
South Surrey Main No. 1 Nickomekl Dam Relocation	1,100,000	133,117
South Surrey Main No. 2	1,150,000	165,246
South Surrey Main No. 2 Nickomekl Dam Prebuild	500,000	—
South Surrey Supply Main (Serpentine River) Bridge Support Modification	50,000	13,433
Stanley Park Water Supply Tunnel	64,652,000	19,536,430
Tilbury Junction Chamber Valves Replacement with Actuators	450,000	14,991
Tilbury Main North Fraser Way Valve Addition	150,000	—
Water Chamber Improvements and Repairs	250,000	5,807
Water Meter Upgrades	1,500,000	345,585
Water Optimization - Instrumentation	2,150,000	194,649
Water Optimization Automation & Instrumentation Phase 1	250,000	15,489
Whalley Kennedy Main No. 2	500,000	70,930
Whalley Main	500,000	35,892
Other Projects	—	6,588
<b>Total Water Mains</b>	<b>352,572,000</b>	<b>74,567,853</b>
<b>Pump Stations</b>		
Barnston/Maple Ridge Pump Station - Back-up Power	4,000,000	—
Burnaby Mountain Pump Station No. 2	1,100,000	32,651
Cape Horn Pump Station No. 3	3,000,000	429,358
Capilano Raw Water Pump Station - Back-up Power	22,000,000	8,503,364
Capilano Raw Water Pump Station Bypass PRV Upgrades	2,100,000	4,523
Central Park WPS Starters Replacement	3,000,000	22,654
Grandview Pump Station Improvements	1,000,000	41,239
Newton Pump Station No. 2	13,650,000	286,663
Westburnco Pump Station - Back-up Power	1,500,000	9,467
Westburnco Pump Station No. 2 VFD Replacements	1,000,000	7,239
Other Projects	—	5,203
<b>Total Pump Stations</b>	<b>52,350,000</b>	<b>9,342,359</b>
<b>Reservoirs</b>		
Burnaby Mountain Tank No. 2 and No. 3	600,000	30,962
Cape Horn Reservoir Condition Assessment and Structural Repair	200,000	—
Capilano Energy Recovery Facility 66' PRV Replacement	500,000	—
Capilano Energy Recovery Facility Operational Upgrades	450,000	3,715
Central Park Reservoir Structural Improvements	200,000	—

Water Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
Dechlorination for Reservoir Overflow and Underdrain Discharges	800,000	110,924
Fleetwood Reservoir	5,000,000	5,269,578
Hellings Tank Operational Upgrades	800,000	50,995
Kersland Reservoir No. 1 Structural Improvements	100,000	—
Pebble Hill Reservoir No. 3 Seismic Upgrade	50,000	—
Pebble Hill Reservoir Seismic Upgrade	500,000	8,581
Prospect Reservoir Knotweed Removal and Drainage Improvements	500,000	21,899
Reservoir Isolation Valve Automation	1,250,000	—
Reservoir Preliminary Structural Assessments (Annual Inspection 2023 to 2025)	1,100,000	138,276
Reservoir Sampling Kiosks - Multi Location	550,000	16,720
Sasamat Reservoir Refurbishment	200,000	52,499
Sunnyside Reservoir Units 1 and 2 Seismic Upgrade	2,100,000	82,791
Vancouver Heights System Resiliency Improvements	300,000	1,337,369
Other Projects	—	16,515
<b>Total Reservoirs</b>	<b>15,200,000</b>	<b>7,140,825</b>
<b>Treatment Plants</b>		
CLD and SFD Lead Paint Removal, Surface Crack Injection and General Corrosion Mitigation	1,550,000	86,149
CWTP CO2 System Improvements	500,000	5,309
CWTP Mobile Disinfection System	350,000	31,858
CWTP Ozone Generation Upgrades for Units 2 & 3	1,200,000	11,595
CWTP Ozone Sidestream Pipe Heat Trace and Insulation	100,000	19,628
CWTP Ozone Sidestream Pump VFD Replacement	450,000	31,966
Coquitlam Lake Water Supply - Intake No. 2 & Tunnel	10,750,000	2,084,405
Coquitlam Lake Water Supply - Water Treatment	20,000,000	2,530,078
Industrial Communication Manager Migration	500,000	—
Loch Lomond Outlet Works Rehabilitation	200,000	17,215
Microbiology Laboratory Expansion	200,000	—
Online Chlorine and pH Analyzers Phase 1	1,500,000	19,941
SCFP - Greenwood and Back Wash Water Supply Pumps & SCOUR Blower VFD Replacement	800,000	—
SCFP Centralized Compressed Air System	500,000	3,029
SCFP Clearwell Baffle Replacement Pilot	1,650,000	32,887
SCFP Clearwell Membrane Replacement	200,000	32,543
SCFP Floc Tank Baffle Replacement and Ladder Installation to Improve Accessibility	2,400,000	25,644
SCFP OMC Building Expansion	2,300,000	14,354
SCFP Polymer System Upgrade	150,000	13,612
Small Logic Controller Control System Upgrades Phase 1	600,000	20,034
Other Projects	—	800
<b>Total Treatment Plants</b>	<b>45,900,000</b>	<b>4,981,046</b>
<b>Others</b>		
CLD & SFD Fasteners Replacement & Coating Repairs	150,000	—

Water Services	Annual Capital Cash Flow	Year-to-date Actual Expenditures
Capilano Raw Water Pump Station VFD Upgrades	1,600,000	—
Capilano Reservoir and Seymour Reservoir Dam Safety Boom Replacement	5,310,000	60,259
Capilano Watershed Security Gatehouse	1,900,000	1,282,320
Cleveland Dam - Lower Outlet HBV Rehabilitation	300,000	690,074
Cleveland Dam Drumgate Seal Replacement	250,000	181,504
Cleveland Dam Power Resiliency Improvements	50,000	33,330
Cleveland Dam Public Warning System and Enhancements	2,000,000	269,134
Cleveland Dam Seismic Stability Evaluation	300,000	45,240
Facilities O&M Documentation Development - Phase 1	800,000	36,160
Lake City HVAC Upgrade	600,000	594
Lower Seymour Conservation Reserve Learning Lodge Replacement	250,000	—
Newton Rechlorination Station No. 2	400,000	—
Rechlorination Station Upgrades	2,000,000	461,478
Rice Lake Dams Rehabilitation	250,000	16,865
SCADA Moscad Server & ICS Historian Expansion & Partitioning	50,000	11,961
Seymour Falls Dam Public Warning System	800,000	24,860
Seymour Falls Dam Seismic Stability Assessment	500,000	35,712
South Fraser Works Yard	1,000,000	34,886
Other Projects	—	4,050
<b>Total Others</b>	<b>18,510,000</b>	<b>3,188,427</b>
<b>Total Water Services</b>	<b>\$ 484,532,000</b>	<b>\$ 99,220,510</b>

TREASURY RESULTS

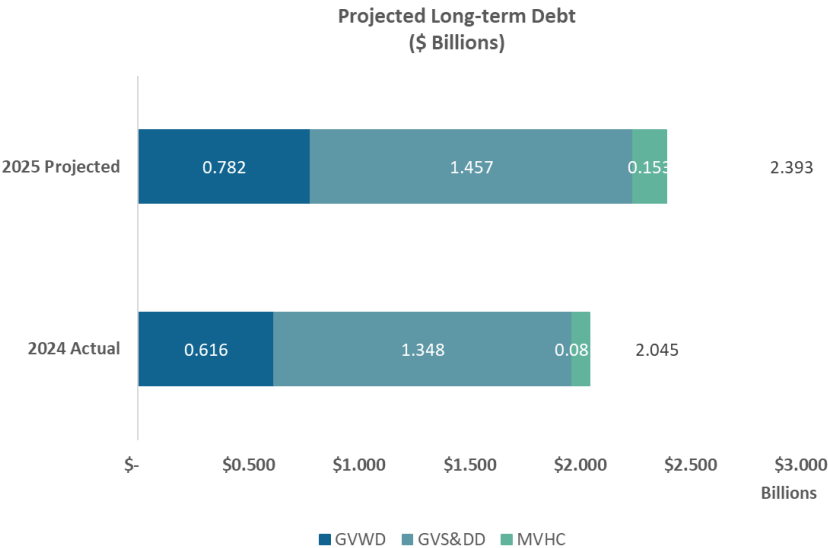
Long-term debt

Long-term debt, net of sinking funds reflects the amount of long-term borrowing forecasted to the end of 2025. Sinking funds consist of principal payments paid to MFA over the term of the debenture issue. These payments are invested by MFA which along with the interest earned will offset the debenture obligation.

As a result of capital projects progressing to completion and or ramping up in 2025, the total projected MFA borrowing for 2025 is \$600.0M, whereas the total MFA borrowing in 2024 was \$350.0M. The projected debt below includes \$67.2M of construction financing loans for MVHC. The total new projected borrowing in 2025 is \$667.2M, aligned with the January 2025 forecasted borrowing.

Furthermore, the MFA long-term borrowing rate for the 2025 Spring borrowing of \$350.0M was 3.55%, which is lower than the Spring 2024 rate of 4.44% indicating a softening in long-term interest rates. The impact of the lower amount of borrowing and lower interest rates results in a lower than expected forecasted debt service ratio (interest and principal payments to revenue) from 17.9% to 16.3%.

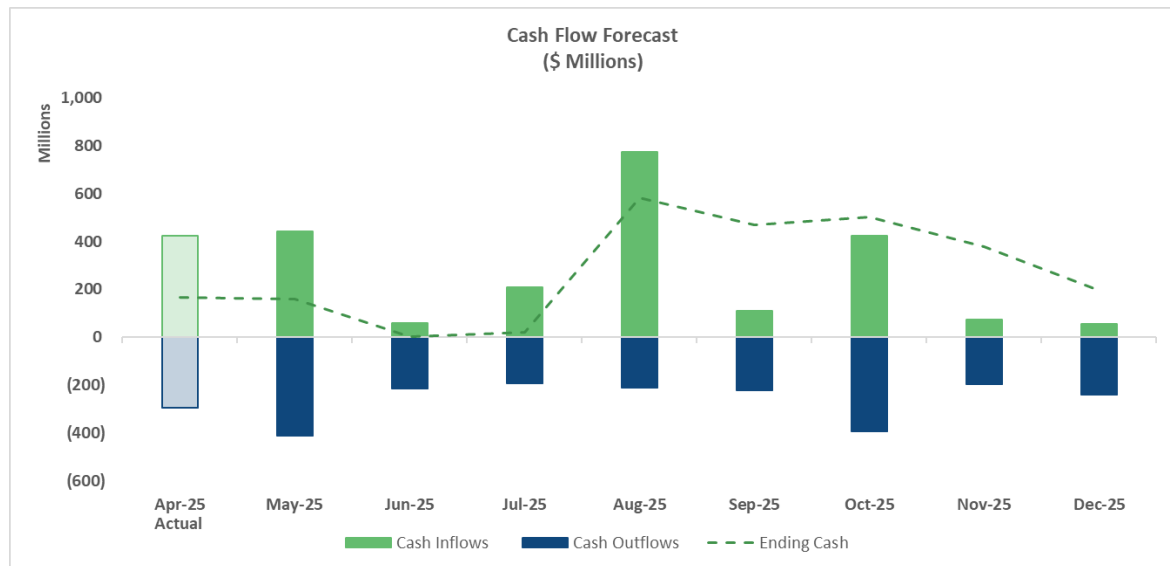
By the end of 2025, long-term debt is expected to increase by \$347.8M to \$2.393B compared to \$2.045B at the end of 2024. The increase is largely from the \$667.2M projected new debenture debt issuances, offset by \$319.4M annual debenture payments and the MFA sinking fund asset.



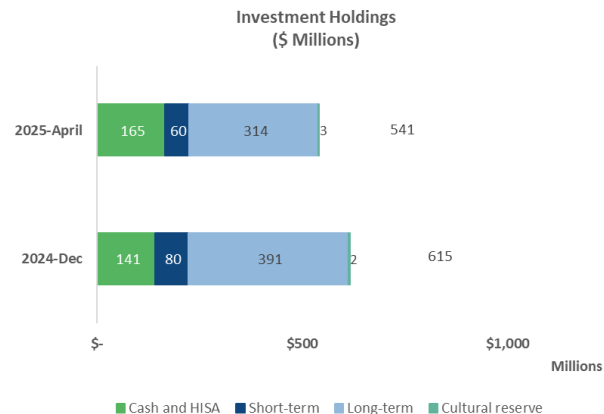


## Cash and Investments

The chart below provides the April 2025 actual cash position and the cash flow forecast for Metro Vancouver from May 2025 to December 2025. Treasury is continuously reviewing cash and reserve balances to ensure adequate liquidity to sustain operations and managing risk while also making efficient use of its cash.



The charts below provide summaries of the cash and investment holdings as of April 30, 2025 compared to December 31, 2024, as well as the investment maturities for the portfolio. Cash and investments has decreased as of April 30, 2025 from \$614.6M at December 31, 2024 to \$541.0M. This is largely due to spend in capital. There is seasonality in cash flows, where cash levels spike in the third quarter when tax levy revenue is received. The cash balance will trend downwards by the end of 2025 as the tax levy received in the third quarter is utilized to fund 2025 budgeted operating and capital expenses. As interest rates continue to decrease and capital spend increases, the District's will participate in the Spring and Fall MFA issues for 2025. Treasury is continuously reviewing cash and reserve balances to ensure adequate liquidity to sustain operations and managing risk while also making efficient use of its cash.



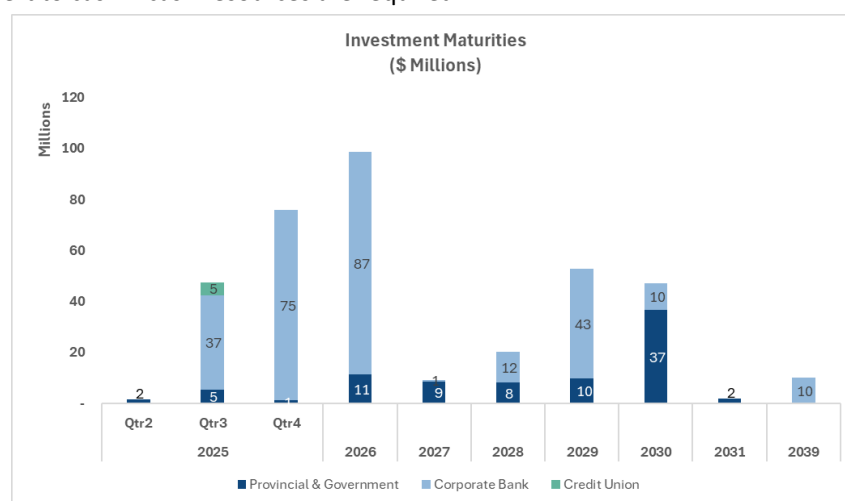
<i>(in thousands of dollars)</i>	2025-April	2024-December
Cash and high-interest saving accounts	\$ 164,540	\$ 141,114
Short-term investments *	60,000	80,000
Long-term investments **	313,823	391,294
Cultural reserve investments ***	2,635	2,207
<b>Total Cash &amp; Investment Holdings</b>	<b>\$ 540,998</b>	<b>\$ 614,614</b>

\* Short-term investments have terms of less than one year and include bankers' acceptances, Canadian bank bonds and credit union term deposits.

\*\* Long-term investments have terms of greater than one year and include Canadian bank bonds, guaranteed investment certificates, credit union term deposits and MFA pooled funds.

\*\*\* Cultural reserve investments are reserve for contribution to cultural activities.

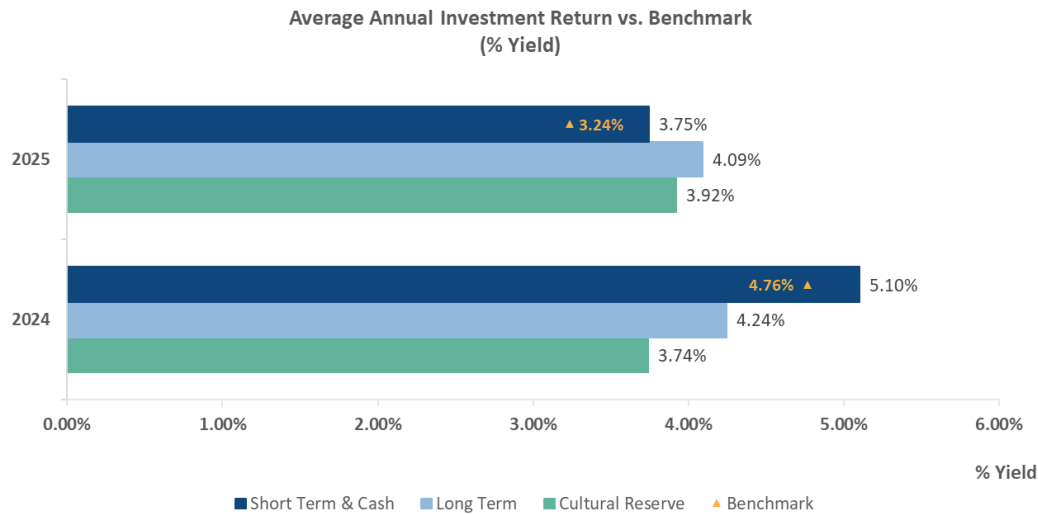
Investments are held to 2039, however the majority of the portfolio will mature within two years. Remaining investment maturities in 2025 are expected to be \$125.0M. Treasury will strategically reinvest funds or convert to cash if cash resources are required.



Investment Returns

As of April 2025, the total weighted average return is 3.89%, lower than 4.52% reported in December 2024. The short-term average investment returns as of April 2025 have decreased from 2024 to 3.75%, due to the decrease in banking prime rate, driven by the Bank of Canada policy decisions. Long-term returns decreased from 4.24% to 4.09% due maturities that were not re-invested. As interest rates are expected to decline, Metro Vancouver’s rate of return is also expected to decline as maturing investments will be re-invested into the current market.

The chart below summarizes the investment returns by investment category against benchmark rates. The chart indicates the return on short-term investments of 3.75% has surpassed the MFA benchmark of 3.24%:



Financial Position Indicators

Illustrated below is additional insight into Metro Vancouver’s financial position. These ratios measure Metro Vancouver’s current performance compared to budget and prior year.

	2025-Budget	2025-Forecast	2024-Dec
Current Ratio	-	-	2.4
Debt Servicing	17.9%	16.3%	18.3%
Interest Burden	7.6%	5.9%	6.6%
Interest Revenue	\$ 12.4M	\$ 20.1M	\$ 30.2M

Current ratio is calculated as current assets divided by current liabilities. The current ratio indicates cash exceeded our current obligations by 2.4 times at December 31, 2024. The organizations’ financial assets are more than sufficient to offset the amount of short-term obligations.

Debt servicing costs is a calculation of long-term debt principal and interest payments divided by revenue. Interest burden is a component of the debt servicing costs, interest

payments divided by revenue. The forecasted (16.3%) ratio is less than budgeted due to the projected 2025 borrowings being less than anticipated from lower than anticipated capital spending and interest rates.

Investment interest revenue as of December 31, 2024 exceeded budget by \$17.8M due to locking in high interest investments in prior years.

## PROCUREMENT

### Awarded Procurement

- The tables below provide:
  - The number and value of awards approved by the Metro Vancouver Board, as well as those approved by the Corporation in excess of \$500,000 that are not awarded by the Board in accordance with the existing Board-approved Procurement Policy. The figures only include awards with contracts that have been fully executed as of April 30, 2025.
  - Three awards were approved by the Board in the four months of 2025, accounting for 3% of the total number of awards but approximately 98% of the total dollar value awarded.

Table 1. Number of Contracts Awarded

Award Type	Year-to-date April 2025	2024	2023	2022
Board Awarded	3	20	16	20
Corporate Awarded	101	101	51	53
Total	104	121	67	73

Table 2. Value of Contracts Awarded

Award Type	Year-to-date April 2025	2024	2023	2022
Board Awarded	\$ 2,209,304,212	\$ 911,002,450	\$ 465,895,019	\$ 434,664,449
Corporate Awarded	48,928,675	176,908,632	71,980,936	89,019,028
Total	\$ 2,258,232,887	\$ 1,087,911,082	\$ 537,875,955	\$ 523,683,477

### Awarded Bids – January to April 2025

The following contracts have been awarded by Metro Vancouver. Contracts have been entered into with the vendors offering the best value to the Corporation determined in accordance with the evaluation criteria, factors or methods previously disclosed in the public solicitation documents.

### Results of Open Public Competitive Procurements - Awards from January to April 2025

Competition #	Competition Type	Competition Description	Awarded Date	Vendor Name	Awarded Amount	Awarded
24-576	SS/NOIC	Properties Interest Information Management System Maintenance and Licenses	01-Jan-25	ENKON Information Systems Inc.	\$ 189,410	Yes
24-316	RFP	Cleveland Dam and Seymour Falls Dam Safety Boom Condition Assessments	06-Jan-25	Klohn Crippen Berger Ltd.	\$ 109,177	Yes
24-316	RFP	Cleveland Dam and Seymour Falls Dam Safety Boom Condition Assessments	06-Jan-25	AtkinRealis	NA	No
24-316	RFP	Cleveland Dam and Seymour Falls Dam Safety Boom Condition Assessments	06-Jan-25	KGS Group	NA	No
24-316	RFP	Cleveland Dam and Seymour Falls Dam Safety Boom Condition Assessments	06-Jan-25	Revelstoke Design Services Ltd.	NA	No
24-316	RFP	Cleveland Dam and Seymour Falls Dam Safety Boom Condition Assessments	06-Jan-25	WSP Canada Inc.	NA	No
24-430	RFP	AIR EMISSIONS AND EMISSION CONTROL TECHNOLOGIES ASSESSMENT	07-Jan-25	Envirochem Services Inc.	\$ 94,350	Yes
24-430	RFP	AIR EMISSIONS AND EMISSION CONTROL TECHNOLOGIES ASSESSMENT	07-Jan-25	Ramboll Canada Inc.	NA	No
24-437	RFP	2025 Fraser River ADCP Study	07-Jan-25	ASL Environmental Sciences Inc.	\$ 82,196	Yes
24-437	RFP	2025 Fraser River ADCP Study	07-Jan-25	WSP Canada Inc.	NA	No
24-466	RFP	Lynn Headwaters Regional Park Engineering Design	07-Jan-25	Dunne Enterprises Ltd.	\$ 139,230	Yes
24-466	RFP	Lynn Headwaters Regional Park Engineering Design	07-Jan-25	Entuitive	NA	No
24-466	RFP	Lynn Headwaters Regional Park Engineering Design	07-Jan-25	ISL Engineering & Land Services Ltd.	NA	No
24-466	RFP	Lynn Headwaters Regional Park Engineering Design	07-Jan-25	Parsons Inc.	NA	No
24-466	RFP	Lynn Headwaters Regional Park Engineering Design	07-Jan-25	Scouten & Associates Engineering Ltd.	NA	No
24-466	RFP	Lynn Headwaters Regional Park Engineering Design	07-Jan-25	Stantec Consulting Ltd.	NA	No
23-233	RFP	Consulting Engineering Services for North Surrey Interceptor Roebuck Section (NSR) Replacement	08-Jan-25	WSP Canada Inc.	\$ 900,187	Yes
24-563	SS/NOIC	BASIS Software Subscription and Support	08-Jan-25	Corporate Services LLC	\$ 200,784	Yes
24-046	Co-Operative Procurement	Supply and Delivery of Canoe Services - Leasing of Print Shop	10-Jan-25	Xerox Canada	\$ 292,203	Yes
24-185	RFP	Iona WWTP Digester #2 Cleaning Services	15-Jan-25	GFL Environmental Services Inc.	\$ 737,302	Yes
24-046	Co-Operative Procurement	Supply and Delivery of Canoe Services - Splunk Enterprise Annual Subscription renewal	16-Jan-25	CDW Canada Corporation	\$ 80,802	Yes
24-046	Co-Operative Procurement	Supply and Delivery of Canoe Services - Adobe Creative Cloud licenses Renewal	16-Jan-25	CDW Canada Corporation	\$ 87,250	Yes
24-484	RFP	Fraser River Environmental Monitoring Program – 2025 Water Monitoring	16-Jan-25	WSP Canada Inc.	\$ 950,000	Yes
24-484	RFP	Fraser River Environmental Monitoring Program – 2025 Water Monitoring	16-Jan-25	Ausenco Engineering Canada Inc.	NA	No
24-484	RFP	Fraser River Environmental Monitoring Program – 2025 Water Monitoring	16-Jan-25	Triton Environmental Consultants	NA	No
23-205	RFP	Supply and Delivery of One E-House & Switchgear for Harbour Pump Station Power Distribution System Replacement	21-Jan-25	RIC Power Corp.	\$ 1,361,650	Yes
23-205	RFP	Supply and Delivery of One E-House & Switchgear for Harbour Pump Station Power Distribution System Replacement	21-Jan-25	Crown Technical Systems	NA	No
24-026	ITT	Electrical Installation and Commissioning for Scum Dipper PLC Replacement at LuLu Island Wastewater Treatment Plant (LIWWTP)	21-Jan-25	J A Electric Inc.	\$ 162,775	Yes
24-026	ITT	Electrical Installation and Commissioning for Scum Dipper PLC Replacement at LuLu Island Wastewater Treatment Plant (LIWWTP)	21-Jan-25	Ross Morrison Electrical Ltd.	NA	No
24-026	ITT	Electrical Installation and Commissioning for Scum Dipper PLC Replacement at LuLu Island Wastewater Treatment Plant (LIWWTP)	21-Jan-25	Gifford Electric Ltd.	NA	No
24-046	Co-Operative Procurement	Supply and Delivery of Canoe Services - Vehicle GPS / Telematics Services	21-Jan-25	AdvantageOne Technology Inc.	\$ 1,450,000	Yes
24-151	RFP	Supply and Delivery of Transformers for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	22-Jan-25	Boundary Electric (1985) Ltd.	\$ 680,098	Yes
24-151	RFP	Supply and Delivery of Transformers for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	22-Jan-25	Wesco Distribution Canada Co.	NA	No
24-151	RFP	Supply and Delivery of Transformers for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	22-Jan-25	Raelkon Teams	NA	No

Competition #	Competition Type	Competition Description	Awarded Date	Vendor Name	Awarded Amount	Awarded
24-555	SS/NOIC	Rogers Relocation for the Connection	22-Jan-25	Rogers Communications Canada Inc.	\$ 175,508	Yes
24-443	SS/NOIC	Consulting Services For District Energy Business Case	23-Jan-25	Reshape Infrastructure Strategies	\$ 100,000	Yes
23-281	RFP	Supply and Delivery of One Standby Diesel Generator and Switchgear	24-Jan-25	Finning International Inc.	\$ 3,550,104	Yes
23-281	RFP	Supply and Delivery of One Standby Diesel Generator and Switchgear	24-Jan-25	Cullen Diesel Power Ltd.	NA	No
23-281	RFP	Supply and Delivery of One Standby Diesel Generator and Switchgear	24-Jan-25	Wesco Distribution Canada Co.	NA	No
23-281	RFP	Supply and Delivery of One Standby Diesel Generator and Switchgear	24-Jan-25	Cummins Sales and Service	NA	No
21-457	RFQ	Northshore Wastewater Treatment Plant (NSWWTP) Project - C2	27-Jan-25	PCL Constructors Westcoast Inc.	\$1,950,000,000	Yes
24-182	RFP-MA	Design Consulting Services - for CAM (MLP and LRB/LHS)	27-Jan-25	E. Lees & Associates Consulting Ltd.	\$ 1,000,000	Yes
24-182	RFP-MA	Design Consulting Services - for CAM (MLP and LRB/LHS)	27-Jan-25	Hapa Landscape Architecture		Yes
24-182	RFP-MA	Design Consulting Services - for CAM (MLP and LRB/LHS)	27-Jan-25	ISL Engineering & Land Services Ltd.		Yes
24-182	RFP-MA	Design Consulting Services - for CAM (MLP and LRB/LHS)	27-Jan-25	R.F. Binnie & Associates		Yes
24-182	RFP-MA	Design Consulting Services - for CAM (MLP and LRB/LHS)	27-Jan-25	VDZ+A Consulting Inc.		Yes
24-572	RFSO	Creative Services	27-Jan-25	Wasserman Advertising	\$ 180,000	Yes
24-572	RFSO	Creative Services	27-Jan-25	Slingshot Communications		Yes
24-256	RFP	Northwest Langley WWTP TF Bypass Gate Replacement	28-Jan-25	Mitchell Installations Ltd.	\$ 439,579	Yes
24-256	RFP	Northwest Langley WWTP TF Bypass Gate Replacement	28-Jan-25	Pomerleau Inc.	NA	No
24-256	RFP	Northwest Langley WWTP TF Bypass Gate Replacement	28-Jan-25	Clearway Construction Inc.	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Tetra Tech Canada Inc.	\$ 5,000,000	Yes
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	QCA Systems Ltd.		Yes
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	BBA Engineering Ltd.		Yes
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Stantec Consulting Ltd.		Yes
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Clean Energy Consulting Inc.		Yes
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Carollo Engineers Canada Ltd.	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Kerr Wood Leidal Associates Ltd.	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	CIMA Canada Inc.	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	enCompass Electrical Solutions	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Flexcell Engineering	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Automaterra Systems Inc.	NA	No
23-353	RFP-MA	Electrical, Instrumentation and Control (EIC) Engineering Consulting Services for Small Automation Projects	30-Jan-25	Wellingdale Group Inc.	NA	No
24-391	RFP	Columbia Forcemain Cured in Place Pipe Rehabilitation - Early Works	31-Jan-25	Michels Canada Co.	\$ 200,000	Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	669251 Alberta Ltd	\$ 6,000,000	Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	9D Analytics LLC		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Advanteca Consulting Inc		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	AMTG Consulting Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Amy Tsang Landscape Architect		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Aqua Libra Consulting Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	ASHO Services Inc.		Yes

Competition #	Competition Type	Competition Description	Awarded Date	Vendor Name	Awarded Amount	Awarded
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Ausenco Engineering Canada Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Better Projects Incorporated		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	BTY Consultancy Group Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Carollo Engineers Canada Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	CDM Smith		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Charter Project Delivery Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Colliers Project Leaders Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Collings Johnston Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Core6 Environmental Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Danax Projects Ltd		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Deloitte		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	EIC Solutions Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Ella Advisory Services		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Emelko Advisory Services		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	ERM Canada Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Ernst & Young LLP		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Excel Advisory Services Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	EXP Services Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Franci Architecture Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	GEI Consultants		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Gerin Seismic Design Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	GHD Limited		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Gregg Korbin		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	HHI Services Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	ISL Engineering & Land Services		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Jennifer Davies Consulting Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Ken Abraham Consulting		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Kerr Wood Leidal Associates Limited		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	KPMG LLP		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Lanarc		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	LARIC Capital		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Lead EPC Consultants Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Legacy Environmental Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Local Practice Architecture & Design Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Lucent Quay Consulting Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Maven Consulting Limited		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Mott MacDonald Canada		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	New Energy Marine Organization (NEMO) Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	One-Eighty Consulting Group Inc		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Platypus Creative Group Communications		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	PMA Project Controls Canada ULC		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Potentialize Consulting Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	PricewaterhouseCoopers LLP		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Project Talent Acquisition Group Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	R.F. Binnie & Associates Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	RAM Engineering Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Reshape Infrastructure Strategies Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Ross W Boulanger (sole proprietor)		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Ryan Ziels		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Sedgwick Strategies Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Southpaw Learning Plan		Yes

Competition #	Competition Type	Competition Description	Awarded Date	Vendor Name	Awarded Amount	Awarded
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Stratice Consulting Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Tiree Facility Solutions Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Tranmotion Services Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Trilobite Consulting Limited		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	W2 Consulting Ltd.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Westmar Advisors Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Woodplc		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	WSP Canada Inc.		Yes
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Laura Killam Architecture	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Associated Engineering (B.C.) Ltd.	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Causeway Consulting Inc.	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	GM BluePlan Engineering Limited	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Hudson Optimization Consulting	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	ic Infrastructure Corporation	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Inexertus Integrated Project Management Inc.	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Inform Energy Solutions Corporation	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Leading EPC Consultants Inc.	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	MEMAR Value Strategies Inc.	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Monica B. Emelko	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Neda Roohnia Landscape Design	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Sanjeev Malushte (Sole Proprietor)	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	Skylark Management Corp.	NA	No
23-262	RFP	Infrastructure Project Advisory Consulting Services	04-Feb-25	TerraFauna Wildlife Consulting, Inc	NA	No
23-155	RFP	Construction Services for Newton Pump Station No.2 - Early Works Services	05-Feb-25	Pomerleau Inc.	\$ 200,000	Yes
23-155	RFP	Construction Services for Newton Pump Station No.2 - Early Works Services	05-Feb-25	Maple Reinders Constructors Ltd.	NA	No
23-155	RFP	Construction Services for Newton Pump Station No.2 - Early Works Services	05-Feb-25	Graham Infrastructure LP	NA	No
23-155	RFP	Construction Services for Newton Pump Station No.2 - Early Works Services	05-Feb-25	Kenaidan Contracting Ltd.	NA	No
23-155	RFP	Construction Services for Newton Pump Station No.2 - Early Works Services	05-Feb-25	North America Construction (1993) Ltd.	NA	No
24-169	RFP	Supply and Delivery of Peracetic Acid Solution, Dosage System, Equipment Maintenance and Technical Services	05-Feb-25	USP Technologies Canada ULC	\$ 1,300,000	Yes
24-567	SS/NOIC	Maintenance Task Analysis Support	10-Feb-25	MV Reliability Services	\$ 137,835	Yes
24-574	SS/NOIC	Archaeological Consulting Services for the Construction Phase of Hudson Street Forcemain Emergency Replacement	10-Feb-25	ISL Engineering and Land Services Ltd.	\$ 210,955	Yes
24-132	RFP-MA	Engineering Services - Fugitive Emissions - Lulu Island Wastewater Treatment Plant Fugitive Emissions Monitoring	11-Feb-25	Jacobs Consultancy Canada, Inc. (Jacobs)	\$ 2,000,000	Yes
24-132	RFP-MA	Engineering Services - Fugitive Emissions - Lulu Island Wastewater Treatment Plant Fugitive Emissions Monitoring	11-Feb-25	Brown and Caldwell		Yes
24-132	RFP-MA	Engineering Services - Fugitive Emissions - Lulu Island Wastewater Treatment Plant Fugitive Emissions Monitoring	11-Feb-25	Stantec Consulting Ltd.	NA	No
25-041	SS/NOIC	Community Liaison Services for Coquitlam Water Main project	12-Feb-25	SitePartners	\$ 210,840	Yes
24-534	RFP	Consulting Services for Visitor Use Management Strategy for Regional Parks	13-Feb-25	DJ&A Canada Corp	\$ 100,000	Yes
24-534	RFP	Consulting Services for Visitor Use Management Strategy for Regional Parks	13-Feb-25	E. Lees & Associates Consulting Ltd.	NA	No
24-534	RFP	Consulting Services for Visitor Use Management Strategy for Regional Parks	13-Feb-25	RC Strategies Inc.	NA	No
24-534	RFP	Consulting Services for Visitor Use Management Strategy for Regional Parks	13-Feb-25	O2 Planning + Design	NA	No
24-193	RFP	Operation and Maintenance of the Metro Vancouver Waste-to-Energy Facility	18-Feb-25	Veolia Water Canada Inc.	\$ 245,000,000	Yes
24-193	RFP	Operation and Maintenance of the Metro Vancouver Waste-to-Energy Facility	18-Feb-25	NAES Corporation	NA	No
25-063	RFP	Board Governance Review	20-Feb-25	Deloitte LLP	\$ 99,000	Yes
25-063	RFP	Board Governance Review	20-Feb-25	BDO Canada LLP	NA	No
25-063	RFP	Board Governance Review	20-Feb-25	Southern Butler Price LLP	NA	No
25-063	RFP	Board Governance Review	20-Feb-25	Strategy Corp	NA	No
25-063	RFP	Board Governance Review	20-Feb-25	Watson Board Advisors	NA	No
24-532	RFP	Lions Gate Receiving Environment Monitoring Program	21-Feb-25	Hatfield Consultants LLP	\$ 1,300,000	Yes
24-532	RFP	Lions Gate Receiving Environment Monitoring Program	21-Feb-25	LGL Limited	NA	No



Competition #	Competition Type	Competition Description	Awarded Date	Vendor Name	Awarded Amount	Awarded
25-024	RFP	Planning Services, Rental Housing Blueprint - Phase Two	21-Feb-25	SvN Architects + Planners Inc.	\$ 255,000	Yes
24-533	RFP	Iona Deep Sea Outfall Environment Monitoring Program	25-Feb-25	Hatfield Consultants LLP	\$ 1,100,000	Yes
24-533	RFP	Iona Deep Sea Outfall Environment Monitoring Program	25-Feb-25	LGL Limited	NA	No
24-097	RFP	Supply and Delivery of E-House for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	27-Feb-25	RIC Power Corporation	\$ 7,309,624	Yes
24-097	RFP	Supply and Delivery of E-House for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	27-Feb-25	Uptime Industrial	NA	No
24-097	RFP	Supply and Delivery of E-House for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	27-Feb-25	Vanguard Power Ltd.	NA	No
24-097	RFP	Supply and Delivery of E-House for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	27-Feb-25	Arbutus West Agency Ltd	NA	No
24-097	RFP	Supply and Delivery of E-House for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	27-Feb-25	Finning Canada	NA	No
24-097	RFP	Supply and Delivery of E-House for Standby Power System for the Iona Island Wastewater Treatment Plant (IIWWTP) Projects	27-Feb-25	Tundra Process Solutions Ltd.	NA	No
25-040	SS/NOIC	Engagement Support Coquitlam Lake Water Supply Project	28-Feb-25	Lucent Quay Consulting Inc.	\$ 905,550	Yes
24-315	RFP	Water Services and Liquid Waste Services Facility Criticality & Risk Framework, Phase 2	04-Mar-25	GEI Consultants	\$ 115,505	Yes
24-315	RFP	Water Services and Liquid Waste Services Facility Criticality & Risk Framework, Phase 2	04-Mar-25	GHD Limited	NA	No
24-073	RFP	Supply and Delivery of Motor Control Centre Lineup and BC Hydro Metering Section	05-Mar-25	Wesco Distribution Canada	\$ 397,100	Yes
24-073	RFP	Supply and Delivery of Motor Control Centre Lineup and BC Hydro Metering Section	05-Mar-25	Softac Systems Ltd.	NA	No
24-391	RFP	Columbia Forcemain Cured in Place Rehabilitation	12-Mar-25	Michels Canada Inc.	\$ 14,304,212	Yes
24-391	RFP	Columbia Forcemain Cured in Place Rehabilitation	12-Mar-25	PW Trenchless Construction Inc.	NA	No
25-011	SS/NOIC	Waste-to-Energy Facility Engineering Support	14-Mar-25	MDNeild Consulting Services	\$ 120,900	Yes
22-004	RFSO	Acute Toxicity Testing Program	18-Mar-25	Bureau Veritas Canada (2019) Inc.	\$ 77,745	Yes
22-004	RFSO	Chronic Toxicity Testing Program	18-Mar-25	Bureau Veritas Canada (2019) Inc.	\$ 167,900	Yes
23-384	SS/NOIC	Supply and Delivery of Material for The North Shore Wastewater Treatment Plant	19-Mar-25	Invent Environmental Technologies, Inc.	\$ 187,887	Yes
24-517	RFP	Barnston Island Dike and Drainage Improvements	19-Mar-25	Northwest Hydraulic Consultants Ltd.	\$ 770,281	Yes
24-517	RFP	Barnston Island Dike and Drainage Improvements	19-Mar-25	BBA Engineering Ltd.	NA	No
24-517	RFP	Barnston Island Dike and Drainage Improvements	19-Mar-25	Tetra Tech Canada Inc.	NA	No
25-167	ITQ	Traffic Control Services for Lynn Headwaters Park	20-Mar-25	Lanesafe Traffic Control Ltd.	\$ 75,000	Yes
25-167	ITQ	Traffic Control Services for Lynn Headwaters Park	20-Mar-25	Universal Traffic Control	NA	No
25-167	ITQ	Traffic Control Services for Lynn Headwaters Park	20-Mar-25	BC Road Safe	NA	No
25-167	ITQ	Traffic Control Services for Lynn Headwaters	20-Mar-25	Lanesafe Traffic Control Ltd	\$ 75,000	Yes
25-167	ITQ	Traffic Control Services for Lynn Headwaters	20-Mar-25	Universal Traffic Control	NA	No
25-167	ITQ	Traffic Control Services for Lynn Headwaters	20-Mar-25	BC Road Safe	NA	No
24-283	SS/NOIC	Supply and Delivery of Material for The North Shore Wastewater Treatment Plant. CTA Iberia - puddle pipes	21-Mar-25	CTA Iberia, S.L.U.	\$ 530,712	Yes
24-234	RFP	Consulting Engineering Services for Refurbishment of the Secondary Clarifiers at Lulu Island Wastewater Treatment Plant (LIWWTP)	24-Mar-25	Carollo Engineers Canada Ltd.	\$ 688,033	Yes
24-234	RFP	Consulting Engineering Services for Refurbishment of the Secondary Clarifiers at Lulu Island Wastewater Treatment Plant (LIWWTP)	24-Mar-25	WSP Canada Inc.	NA	No
24-386	ITT	Second Narrows Park Landscaping - Phase 1	24-Mar-25	Capital Green Landscapes Ltd.	\$ 677,782	Yes
24-386	ITT	Second Narrows Park Landscaping - Phase 1	24-Mar-25	White Star Property Services LTD.	NA	No
24-386	ITT	Second Narrows Park Landscaping - Phase 1	24-Mar-25	Moza Home Construction Inc.	NA	No
24-451	RFP	Excavation and Condition Assessment, Riverside Drive	25-Mar-25	Blue Water Systems Ltd.	\$ 456,959	Yes
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	Carollo Engineers Ltd.	\$ 6,600,000	Yes
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	GHD Limited		Yes
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	Jacobs Consultancy Canada Inc.		Yes
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	Kerr Wood Leidal Associates Ltd.		Yes
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	WSP Canada Inc.		Yes
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	Associated Engineering (B.C.) Ltd.		No
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	GeoAdvice Engineering Inc.	NA	No
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	Pinna Sustainability Inc.	NA	No

FIN 20250612

Item E2  
**Metro Vancouver's 2025 Financial Performance Report No. 1**  
 Attachment 1  
 Page 37 of 40

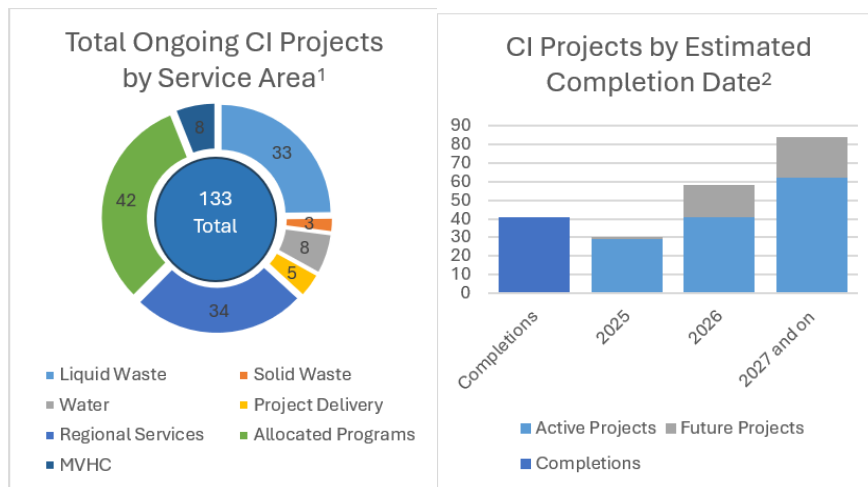
Competition #	Competition Type	Competition Description	Awarded Date	Vendor Name	Awarded Amount	Awarded
24-063	RFP	Policy Planning and Analysis Consulting Services	26-Mar-25	Water Street Engineering Ltd.	NA	No
25-178	RFSQ	Traffic Control for Belcarra Regional Park	28-Mar-25	Lanesafe Traffic Control	\$ 100,693	Yes
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	GBL Architects Inc.	\$ 3,383,374	Yes
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	Ryder Architecture (Canada) Inc	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	S2 Architecture	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	BFA Studio Architects	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	WT Leung Architects Inc.	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	Craven Huston Powers Architects / Station One Architects	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	Zeidler Architecture	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	Diamon Schmitt Architects	NA	No
24-221	RFP	Architect and Design Services for Affordable Housing Project	31-Mar-25	Carscadden Stokes McDonald Architects Inc.	NA	No
25-080	RFP	Drainage Works and Erosion Protection Asset Collection for Metro Vancouver Parks	14-Apr-25	McElhanney Ltd.	\$ 175,000	Yes
25-080	RFP	Drainage Works and Erosion Protection Asset Collection for Metro Vancouver Parks	14-Apr-25	GHD	NA	No
25-080	RFP	Drainage Works and Erosion Protection Asset Collection for Metro Vancouver Parks	14-Apr-25	Forecastle Technologies	NA	No
24-408	RFP	Consulting Engineering Services for Westburno Pump Station Backup Power Project	24-Apr-25	Tetra Tech Canada Inc.	\$ 733,978	Yes
24-408	RFP	Consulting Engineering Services for Westburno Pump Station Backup Power Project	24-Apr-25	Stantec	NA	No
24-408	RFP	Consulting Engineering Services for Westburno Pump Station Backup Power Project	24-Apr-25	AECOM	NA	No
24-400	RFP	Supply and delivery of plunger valve for construction recovery facility ("CERF") break head tank bypass improvements	28-Apr-25	Cascade Consultants LLC	\$ 461,120	Yes
24-400	RFP	Supply and delivery of plunger valve for construction recovery facility ("CERF") break head tank bypass improvements	28-Apr-25	VAG	NA	No
25-238	DA	Reimburse for Emergency Repairs at the Ashcroft Ranch	28-Apr-25	Montte Farms BC LTD.	\$ 148,562	Yes
24-565	RFP	Native Plants for Regional Parks	29-Apr-25	NATS Nursery Ltd.	\$ 120,000	Yes

## CONTINUOUS IMPROVEMENT PROJECTS

There is a foundational target outcome of fostering a commitment to continuous improvement in Metro Vancouver's core culture. The role of continuous improvement is to further the Board priorities, including:

- Financial Sustainability and Regional Affordability
- Climate Action
- Resilient Services and Infrastructure
- Reconciliation
- Housing

This report is part of Financial Services' work plan to provide regular reporting on Metro Vancouver Continuous Improvement (CI) projects and highlight select completed project's contributions to service levels and affordability for regional rate payers.



<sup>1</sup>Total Ongoing CI Projects by Service Area illustrates the total number of projects identified and by service area. The number of CI projects within an area may not reflect the significance or potential cost savings of the initiatives.

<sup>2</sup>CI Projects by Estimated Completion Date displays the number of active and future projects by expected year of completion.

Below is a summary of key completed Continuous Improvement Projects so far. Continuous Improvement reporting will continue to highlight completed projects. These projects vary from one-year to multi-year timelines depending on complexity and stakeholders

Highlighted Select Completed Continuous Improvement Projects			
Department/ Project Title	Board Priority	Description	Outcomes
PRS – Procurement: Service Delivery Improvements	<ul style="list-style-type: none"> <li>Financial Sustainability &amp; Affordability</li> </ul>	Improving the operating model and service delivery	<ul style="list-style-type: none"> <li>This overall initiative (made up of a series of action items) will improve the quality and efficiency in each phase of the procurement lifecycle, improve control and risk mitigation and deliver value for money.</li> </ul>
Corporate Services & Human Resources: Afternoon Shift	<ul style="list-style-type: none"> <li>Financial Sustainability &amp; Affordability</li> </ul>	Develop an afternoon fleet maintenance shift to have more work done in-house while reducing downtime.	<ul style="list-style-type: none"> <li>Set up a self-sufficient afternoon shift crew of four mechanics.</li> </ul>
Indigenous Relations: Update Engagement Policy	<ul style="list-style-type: none"> <li>Reconciliation</li> </ul>	Development of draft policy; development of draft guidelines; rollout of training for staff	<ul style="list-style-type: none"> <li>This initiative involves producing an updated First Nations Engagement Policy to improve efficiencies, including a decision tree catered for each department's use as well as ongoing training for Metro Vancouver staff.</li> </ul>

Highlighted Select Completed Continuous Improvement Projects			
Department/ Project Title	Board Priority	Description	Outcomes
Indigenous Relations: Cultural Sensitivity Video	<ul style="list-style-type: none"> <li>Reconciliation</li> </ul>	Incorporate First Nations priorities; develop a script; film the segments; work with CPC and Procurement to ensure uptake.	<ul style="list-style-type: none"> <li>The video, which will be used to train project managers, contractors and crews working on Metro Vancouver project construction sites, will provide advice on cultural safety protocols when First Nation representatives, such as archaeological monitors, are on site.</li> </ul>
Water Services Conservation Assessment	<ul style="list-style-type: none"> <li>Resilient Services and Infrastructure</li> </ul>	Evaluate the potential drinking water benefits from conservation measures	<ul style="list-style-type: none"> <li>Conserving water improves the resilience of the drinking water system and reduces GHG emissions produced through operations.</li> <li>Resilience is improved through creating capacity that can be used in the event of an emergency.</li> <li>GHGs are reduced through reducing the operations and maintenance efforts and the demand for chemical use in the treatment processes</li> </ul>