

METRO VANCOUVER REGIONAL DISTRICT WATER COMMITTEE

MEETING

Wednesday, July 15, 2026

1:00 pm

This meeting will be held electronically on the Zoom Platform

Members of the public may register to attend electronically to watch and hear the meeting.

Please visit our website for registration and for information about attending the meeting.

The link to the July 15, 2026 Water Committee meeting page is

<https://metrovancover.org/boards/meeting/3420>

AGENDA

A. ADOPTION OF THE AGENDA

1. July 15, 2026 Meeting Agenda

THAT the Water Committee adopt the agenda for its meeting scheduled for July 15, 2026 as circulated.

B. ADOPTION OF THE MINUTES

1. May 13, 2026 Meeting Minutes

THAT the Water Committee adopt the minutes of its meeting held May 13, 2026 as circulated.

pg. 7

C. DELEGATIONS

D. INVITED PRESENTATIONS

E. REPORTS FROM COMMITTEE OR CHIEF ADMINISTRATIVE OFFICER

1. Update on Summer 2026 Stage Restrictions

Verbal Update

Designated Speaker: Marilyn Towill, General Manager, Water Services

2. Wildfire Preparedness Update

Report dated June 30, 2026 from Kevin Brown, Division Manager, Watersheds and Environment, Water Services.

pg. 10

Executive Summary

Water Services Wildfire Protection Program staff have expertise in wildfire management, specialized equipment, and are prepared for strategic deployment. The program maintains strong and proven partnerships with the BC Wildfire Service (BCWS) and local municipal fire departments to ensure wildfire season readiness.

Metro Vancouver provides a reliable supply of high-quality drinking water to three million residents through its member jurisdictions. Source water protection relies on safeguarding the forested lands of the Capilano, Seymour, and Coquitlam water supply areas from wildfires.

These areas have historically low wildfire incidence due to restricted public access and strict limitations on the type of work undertaken during fire season. With this approach, the primary wildfire risk remains lightning strikes during moderate to extreme fire risk levels. To ensure quick fire detection and response, staff utilize patrols, drones, weather reports, near real-time lightning maps, public and air traffic smoke reports, and rapid deployment of dedicated wildfire crews.

Recommendation

THAT the Water Committee receive for information the report dated June 30, 2026, titled, "Wildfire Preparedness Update".

- 3. DRAFT Five Year Capital Plan (2027 – 2031) Greater Vancouver Water District** *pg. 19*
Report dated June 29, 2026 from Marilyn Towill, General Manager, Water Services.

Executive Summary

The DRAFT Five Year Capital Plan for the Greater Vancouver Water District (GVWD) has been prepared following direction received at the April 15, 2026, Board Budget Workshop to prepare the Financial Plan and proceed through the 2027 budget cycle with household impact (HHI) targets as follows: 2027 at 3.0 per cent and 2028 to 2031 at 5.0 per cent.

The GVWD estimates capital spending of \$3.4 billion over the next five years funded by a combination of long-term debt, reserves, contributions from the operating budget, some external contributions from other agencies, as well as Development Cost Charges (DCCs) specifically funding growth projects. The net change from the previous five-year plan is an overall increase of \$357.7 million.

Recommendation

THAT the Water Committee receive for information the report dated June 29, 2026, titled "DRAFT Five Year Capital Plan (2027 – 2031) Greater Vancouver Water District".

- 4. 2026 GVWD Capital Program Update No. 2** *pg. 40*
Report dated June 29, 2026 from Matthew Dybwad, Division Manager, Water Services Engineering, Design & Construction, and Jennifer Crosby, Director, Project Delivery, Project Management Office.

Executive Summary

This report provides a status update of the GVWD Capital Program with summaries for larger projects (i.e. cost of >\$100M), highlighting progress, schedule, budget, and upcoming milestones, and an overall summary of remaining projects. As part of the GVWD capital planning process, the timing of each project is reviewed and updated annually based on available resources, strategic prioritization, risk to system operations and financial sustainability. These updates are provided three times a year for the Water Committee and GVWD Board in February, July, and November to provide timely line of sight for the April Board Budget Workshop, input into the annual budget and five-year financial plan for October, and an end of year update. Individual project reports will continue to be provided as needed, particularly at key decision-making milestones.

Recommendation

THAT the GVWD Board receive for information the report dated June 29, 2026, titled "2026 GVWD Capital Program Update No. 2".

5. Award of RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project - Intake and Tunnel Design

pg. 65

Report dated June 29, 2026 from George Kavouras, Director, Procurement, Procurement & Real Estate Services, and Bob Cheng, Director Major Projects, Project Delivery.

Executive Summary

Mott MacDonald Canada Limited's (Mott) proposal ranked highest overall, did not provide the lowest cost, had the highest technical score, and demonstrated best value overall for Metro Vancouver. Although not the lowest cost proponent, Mott's price is only 1.8% higher than the lowest cost proponent. The strengths of Mott's proposal, namely successful experience on very relevant projects, particularly in the key areas of geotechnical, intakes, lake taps, and tunnels will ensure Metro Vancouver receives value for money.

Metro Vancouver requires Consulting Engineering Services for the design of a new intake and tunnel for the Coquitlam Lake Water Supply Project (CLWSP). The project will enable the doubling of capacity from the Coquitlam source, which will address growing regional water demand to the latter part of the century, and prepare for the anticipated impacts of climate change.

RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design was issued on November 20, 2025. RFP 25-333 was advertised publicly, and the procurement was executed in accordance with the terms and conditions of Metro Vancouver's Procurement Policy. The RFP 25-333 evaluation team have considered the proposals received, and on that basis recommend that the GVWD award Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design to Mott MacDonald Canada Limited.

Recommendation

THAT the GVWD Board:

- a) approve the award of RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design, in the amount of up to \$119,747,306.00 (exclusive of taxes) to Mott MacDonald Canada Limited, for a term of 15-years, subject to final review by the Commissioner;
- b) authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate is satisfied that the award should proceed.

6. 2025 GVWD Dam Safety Program Annual Update

pg. 69

Report dated June 18, 2026 from Ian Manning, Director, Dam Safety, Water Services.

Executive Summary

The GVWD owns and operates seven dams that are regulated by the Ministry of Water, Land and Resource Stewardship – Dam Safety Section, five of which are regional drinking water supply dams and two of which store water for ecological and recreational purposes. The GVWD Dam Safety Program is compliant with the requirements outlined in the provincial Dam Safety Regulation (BC Regulation 40/2016; amended by Regulation 32/2023) for the water supply dams.

There were no unsafe or unacceptable conditions identified from the check and review activities carried out at the GVWD dams in 2025, including routine surveillance, monitoring, and formal dam inspections.

Recommendation

THAT the Water Committee receive for information the report dated June 18, 2026, titled “2025 GVWD Dam Safety Program Annual Update”.

7. Water Supply Area Access Policy

pg. 78

Report dated July 7, 2026 from Heidi Walsh, Director, Watersheds and Environment, Water Services.

Executive Summary

Protecting GVWD water supply areas through restricted access has been fundamental to maintaining high-quality source drinking water since 1924, effectively reducing risks associated with point-source contamination, human-caused wildfire, and other activities that could compromise water quality. The Water Supply Area Access Policy (Attachment 1) supports a proactive, multi-barrier approach to drinking water protection, aligns with public health guidance, and fulfills legal obligations under provincial licences and long-term land agreements.

A *Watershed Access Policy* has been in place since the late 1990s and has been routinely updated to reflect evolving watershed management practices and to improve policy language and processes. The proposed 2026 policy further modernizes the framework by updating “Water Supply Area” terminology, updating definitions, aligning with the recently approved bylaw, clarifying approval authorities and access processes, and introducing a dedicated section for Indigenous cultural access. These updates improve policy rationale clarity, administrative efficiency, and provide relationship-building opportunities with Indigenous Nations while maintaining highly restricted access as the cornerstone of source water protection.

Recommendation

THAT the GVWD Board:

- a) rescind the *Watershed Access Policy* (Policy No. UT-001); and
- b) adopt the *Water Supply Area Access Policy* (Policy No. UT-021) as presented as Attachment 1 in the report dated July 7, 2026, titled “Water Supply Area Access Policy”.

8. 2026 Update on Water Sustainability Innovation Fund Projects

pg. 94

Report dated June 30, 2026 from Linda Parkinson, Director, Policy, Planning, and Analysis, Water Services.

Executive Summary

This report provides an update on 20 projects that received Board-approved contributions from the Water Sustainability Innovation Fund (WSIF) and are currently in-progress or have been completed or discontinued since the last update to the designated Standing Committee, in June of 2025.

Projects receiving funding support regional sustainability, protect the environment, advance resilience, and continuously improve service delivery by allowing Metro Vancouver to explore and implement innovative approaches, and respond to emerging issues and evolving best practices. Of the 20 projects mentioned in this report, five have been recently completed, one is on hold, and 14 are in progress, with three of those nearing completion. WSIF projects in progress include the assessment of emerging contaminants; enhancements to water supply monitoring; development of early earthquake warning systems; and modernization of hydrological and hydraulic analytical processes.

Recommendation

THAT the Water Committee receive for information the report dated June 30, 2026, titled “2026 Update on Water Sustainability Innovation Fund Projects”.

9. Kennedy Newton Water Main and Newton Pump Station Replacement

pg. 114

Report dated July 6, 2026 from Matthew Dybwad, Division Manager, Water Services Engineering, Design & Construction, and Ben Suleiman, Lead Senior Engineer, Engineering, Design & Construction, Water Services.

Executive Summary

The Kennedy Newton Water Main and Newton Pump Station Replacement projects are key components of the Greater Vancouver Water District's long-term strategy to increase resiliency and transmission system capacity to deliver high-quality drinking water to the growing population south of the Fraser River. The projects have attained significant milestones over the past year with completion of pipe installation on the Kennedy Newton Main and commencement of construction of the Newton Pump Station.

Water Services undertook careful project planning, early stakeholder and community engagement, and pre-vetted well-qualified consultants and contractors to implement these significant water infrastructure projects. This has resulted in a program that has been delivered a significant upgrade to our drinking water system, while mitigating impacts to the public.

Recommendation

THAT the Water Committee receive for information the report dated July 6, 2026, titled "Kennedy Newton Water Main and Newton Pump Station Replacement".

10. Manager's Report

pg. 119

Report dated July 7, 2026 from Marilyn Towill, General Manager, Water Services.

Recommendation

THAT the Water Committee receive for information the report dated July 7, 2026, titled "Manager's Report".

F. INFORMATION ITEMS

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 Water Committee adjourn its meeting of July 15, 2026.

Membership:

Chair, Brad West, Port Coquitlam
Vice Chair, Mark Sager, West Vancouver
Burnaby, Joe Keithley
Coquitlam, Craig Hodge
Delta, Alicia Guichon

Langley City, Paul Albrecht
Langley Township, Tim Baillie
North Vancouver City, Don Bell
North Vancouver District, Mike Little
Pitt Meadows, Nicole MacDonald

Surrey, Rob Stutt
scəwəθən məsteyəx™ (Tsawwassen First
Nation), Laura Cassidy
Vancouver, Peter Meiszner



METRO VANCOUVER REGIONAL DISTRICT WATER COMMITTEE

MEETING

Wednesday, May 13, 2026

1:00 pm

28th Floor Boardroom, 4515 Central Boulevard, Burnaby, British Columbia

MINUTES

MEMBERS PRESENT:

Chair, Brad West, Port Coquitlam* (departed 1:58 pm; rejoined at 2:03 pm)

Vice Chair, Mark Sager, West Vancouver* (arrived at 1:01 pm)

Burnaby, Joe Keithley*

Coquitlam, Craig Hodge

Delta, Alicia Guichon*

Langley City, Paul Albrecht*

Langley Township, Tim Baillie

North Vancouver City, Don Bell

North Vancouver District, Mike Little*

Pitt Meadows, Nicole MacDonald*

Surrey, Rob Stutt*

scəwáθən məsteyəx^w (Tsawwassen First Nation), Laura Cassidy*

Vancouver, Peter Meiszner

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

STAFF PRESENT:

Marilyn Towill, General Manager, Water Services

Rapinder Khaira, Legislative Services Coordinator, Board and Information Services

Mike Brannon, Director, Operations and Maintenance, Water Services

Cheryl Nelms, General Manager, Project Delivery

Linda Parkinson, Director, Policy Planning and Analysis, Water Services

A. ADOPTION OF THE AGENDA

1. May 13, 2026 Meeting Agenda

It was MOVED and SECONDED

THAT the Water Committee adopt the agenda for its meeting scheduled for May 13, 2026 as circulated.

CARRIED

B. ADOPTION OF THE MINUTES**1. April 8, 2026 Meeting Minutes****It was MOVED and SECONDED**

THAT the Water Committee adopt the minutes of its meeting held April 8, 2026 as circulated.

CARRIED

1:01 pm Vice Chair Sager joined the meeting.

C. DELEGATIONS

No items presented.

D. INVITED PRESENTATIONS

No items presented.

E. REPORTS FROM COMMITTEE OR CHIEF ADMINISTRATIVE OFFICER**1. Water Supply Preparedness for Summer 2026**

Report dated May 1, 2026 from Mike Brannon, Director, Operations and Maintenance, Water Services, and Linda Parkinson, Director, Policy Planning and Analysis, Water Services, providing the Water Committee an update on snowpack levels as well as measures taken to mitigate potential impacts of drought and maintain system pressure during critical infrastructure upgrades.

Mike Brannon and Linda Parkinson provided a presentation titled "Water Supply Preparedness for Summer 2026", with an overview of the work done to prepare for summer, activation of the drinking water conservation plan, and support that is available for members.

It was MOVED and SECONDED

THAT the Water Committee receive for information the report dated May 1, 2026, titled "Water Supply Preparedness for Summer 2026."

CARRIED

2. Water Use by Sector Report: 2004-2023

Report dated April 29, 2026, from Linda Parkinson, Director, Policy, Planning and Analysis, Water Services, providing the Water Committee an overview of trends in water use in the Metro Vancouver region from 2004 to 2023.

It was MOVED and SECONDED

THAT Water Committee receive for information the report dated April 29, 2026, titled "Water Use by Sector Report: 2004 – 2023".

CARRIED

3. 2026 Major Projects Update No. 1 - Water

Report dated April 29, 2026, from Cheryl Nelms, General Manager, Project Delivery, providing the Water Committee an update on major water capital projects.

1:58 pm Chair West left and Vice Chair Sager presided over the meeting.

Cheryl Nelms provided a presentation titled “2026 Major Projects Update No.1”, with an update on major capital projects including the Stanley Park Water Supply Tunnel and the Coquitlam Water Main Project.

It was MOVED and SECONDED

THAT the Water Committee receive for information the report dated April 29, 2026 titled “2026 Major Projects Update No. 1 - Water.”

CARRIED

4. Manager's Report

Report dated May 1, 2026, from Marilyn Towill, General Manager, Water Services, providing the Water Committee an update on development cost charges, 2025 Audited Financial Statements, provincial seasonal weather, 2026 considerations for water supply planning, kʷikʷəłəm Sockeye Hatchery Opening, and the 2026 Work Plan.

2:03 pm Chair West rejoined and presided over the meeting.

It was MOVED and SECONDED

THAT the Water Committee receive for information the report dated May 1, 2026, titled “Manager’s Report”.

CARRIED

F. INFORMATION ITEMS

No items presented.

G. OTHER BUSINESS

No items presented.

H. RESOLUTION TO CLOSE MEETING

No items presented.

I. ADJOURNMENT**It was MOVED and SECONDED**

THAT the Water Committee adjourn its meeting of May 13, 2026.

CARRIED

(Time: 2:04 pm)

Rapinder Khaira,
Legislative Services Coordinator
85325394

Brad West,
Chair

To: Water Committee

From: Kevin Brown, Division Manager, Watersheds and Environment, Water Services

Date: June 30, 2026

Meeting Date: July 15, 2026

Subject: **Wildfire Preparedness Update**

RECOMMENDATION

THAT the Water Committee receive for information the report dated June 30, 2026, titled, "Wildfire Preparedness Update".

EXECUTIVE SUMMARY

Water Services Wildfire Protection Program staff have expertise in wildfire management, specialized equipment, and are prepared for strategic deployment. The program maintains strong and proven partnerships with the BC Wildfire Service (BCWS) and local municipal fire departments to ensure wildfire season readiness.

Metro Vancouver provides a reliable supply of high-quality drinking water to three million residents through its member jurisdictions. Source water protection relies on safeguarding the forested lands of the Capilano, Seymour, and Coquitlam water supply areas from wildfires.

These areas have historically low wildfire incidence due to restricted public access and strict limitations on the type of work undertaken during fire season. With this approach, the primary wildfire risk remains lightning strikes during moderate to extreme fire risk levels. To ensure quick fire detection and response, staff utilize patrols, drones, weather reports, near real-time lightning maps, public and air traffic smoke reports, and rapid deployment of dedicated wildfire crews.

PURPOSE

To provide the Water Committee with an annual update on wildfire preparedness for the water supply areas in advance of the 2026 summer season.

BACKGROUND

As per the Water Committee's 2026 Work Plan, and those of previous years, wildfire preparedness reports are brought forward each spring. These reports provide an update on the current state of wildfire protection and readiness in advance of the summer wildfire season.

CONTEXT

The water supply areas encompass the mid and upper portions of the Capilano, Seymour, and Coquitlam watersheds and include approximately 60,000 hectares of forested lands. Access into these areas is controlled and limited through the GVWD Board *Watershed Access Policy*. The principle of protecting the water supply areas by restricting access is a fundamental component of the multiple barrier approach to drinking water quality protection.

The requirements for fire protection in the water supply areas date back to the 1927 and 1942 Provincial Crown land leases. These 999-year leases require Metro Vancouver to protect the lands from wildfire and retain qualified and trained staff for this purpose.

Currently, based on an Initial Attack model, three four-person fire crews are utilized, in conjunction with helicopters, for rapid deployment of wildfire resources to reported fires. In addition, Metro Vancouver maintains a long-standing resource sharing agreement with the BC Wildfire Service that ensures seamless communications with the Province and allows for additional resource requests, should they be needed.

In addition to providing wildfire response within the three water supply areas and the Lower Seymour Conservation Reserve, the Protection Program also leads the response and coordination for medium to larger wildfires in the Metro Vancouver Regional Parks system and will respond to wildfires in Electoral Area A if requested.

WILDFIRE PREPAREDNESS

Preparedness

For the 2026 season, the Protection Program has three dedicated Initial Attack fire crews supported by approximately 10 Watersheds and Environment staff trained to the same provincial standard as the dedicated Initial Attack crews, and approximately 25 additional staff trained to a basic fire response level. The Program also supports the training of Regional Parks staff for wildfire response readiness in Metro Vancouver Parks across the region.

To support a rapid recovery post wildfire, in 2025 staff retained a qualified professional consultant to review and provide updates to a post wildfire recovery plan. The review included relevant plans and policies, fire ecology, rehabilitation plans, and recovery best management practices. This recovery plan provides staff with the latest options and best management practices to mitigate the potential impacts of wildfire on the water quality in the reservoirs.

Equipment

The Watershed Protection Program has an extensive stockpile of wildfire suppression tools, including an array of pumps, hoses and water containment apparatus. These tools are primarily stored at the Bone Creek Works Yard on the North Shore, as well as strategically cached at tactical locations in the Capilano and Coquitlam Watersheds.

For mobile deployment, the Protection Program maintains three dedicated 4-wheel drive Initial Attack response trucks and two Response Officer vehicles. These vehicles are primarily staged in North Vancouver and are deployed across the region as the seasonal fire danger increases.

For inaccessible sites and rapid deployment, Metro Vancouver maintains a contract with a local helicopter company for dispatch throughout the fire season. Three 6,000 gallon "Heli-well" tanks (one per supply area) are strategically positioned to allow helicopters to bucket water reducing the risk of contamination, or aircraft incidents directly above the water supply area reservoirs.

The Program operates two drones equipped with infrared cameras to support crews in remote visual inspections after lightning storms or reports of smoke. Using drones supports quick confirmation of smoke locations, assists crews with the early assessment of a wildfire, and supports the development of tactical strategies (e.g. potential water sources, values at risk, etc.).

Resource Sharing Agreement

Metro Vancouver maintains a strong and collaborative relationship with the BC Wildfire Service through a resource sharing agreement. Metro Vancouver crews routinely backfill BC Wildfire Service crews throughout the Coastal Fire Centre under a cost recovery model and, as required, provincial crews are

available to provide additional support to the Metro Vancouver response efforts. This arrangement has been in place since 1997 and has been effective for regional fire response.

During the 2025 wildfire season, Watershed Protection staff were deployed for 33 days to support the province through the wildfire season. These deployments provide invaluable hands-on experience for Metro Vancouver crews ensuring skill levels remain high while supporting the provincial wildfire response.

For the 2026 season, staff participated in an annual meeting with key personnel from the BC Wildfire Service fire base in Hope and confirmed operational readiness of crews for the upcoming season.

Interagency Preparedness

Watershed Protection staff continue to lead the Watershed Wildfire Strategic Partners Working Group, started in 2021, that includes the fire chiefs from the District of North Vancouver, District of West Vancouver, and City of Coquitlam along with senior officers from the Province. This working group meets monthly to share local and regional wildfire initiatives; support planning, preparation, and cross training for wildfire responses; discuss specific tactical wildfire response objectives locally; and build strong relationships. This group also provides a venue to look for shared opportunities for wildfire fuel reduction initiatives, funding opportunities, or assessing new and emerging technologies. Annually, the working group hosts a tabletop exercise, led by the Province, to discuss operational responses in different areas of the region. The 2026 tabletop exercise is scheduled for July.

In May and June, staff participated in two field exercises. One full-scale multi-agency wildland urban interface exercise in a Kanaka Creek Regional Park, led by Metro Vancouver. This exercise allowed groups to confirm interagency operational capabilities, wildland firefighting abilities, structure protection, and evacuation preparedness. The second functional exercise, led by the District of North Vancouver Fire Department, was held in the Deep Cove area and involved Watershed Protection crews supporting a wildfire response.

To support and develop regional interagency relationships, staff also presented and participated in the fourth annual Metro Vancouver Regional Wildfire Workshop in May. This workshop is organized by Metro Vancouver's Protective Services and Emergency Management team with attendance by over 100 emergency managers and professionals from all member jurisdictions and local First Nations.

Watershed Protection staff continue to work closely with various municipal partners, including the North Shore Interface Wildfire Working Group and the Metro Vancouver Wildfire Conditions Task Group, to ensure preparedness and coordinated response across the region.

Fire Weather Monitoring

Staff carry out extensive fire weather monitoring and produce a bi-weekly Fire Weather Report that utilizes data from eight weather stations located throughout the water supply areas and the region. Municipal fire and parks staff, and the emergency planning community rely on this information to determine the fire danger rating for their jurisdiction and appropriate public activity restrictions.

Wildfire Fuels Management

Wildfire fuels management is defined as a planned approach to reduce the amount of living and dead vegetation that can act as fuel for wildfires. By decreasing fuel load, wildfire spread can be greatly reduced allowing time for crews to respond and contain fires. To support the protection of critical Water Services infrastructure, a wildfire fuels management prescription has been developed for the 69kV

substation and the British Properties urban interface area inside the Capilano Water Supply Area with full prescription treatments beginning in the fall of 2026.

Watershed Protection staff have participated in the North Shore and Coquitlam Community FireSmart and Resiliency Committees and will continue to work with partners for future fuel reduction opportunities in the interface areas and around critical infrastructure.

New and Emerging Technologies

Staff are also working with the District of West Vancouver, District of North Vancouver, the City of Coquitlam Fire Departments, and Regional Parks in assessing emerging wildfire detection technology (e.g., cameras) that could be strategically deployed and tested. For 2026, Watershed Protection has partnered with Regional Parks and the District of North Vancouver to trial two cameras employing AI technology to aid in the detection of potential fires and the dispatch of operational crews.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The Protection Program initiatives are funded through the annual operating budget of the Watersheds and Environment Division. The fuels management project is funded through the Minor Capital Program for 2026. Costs associated with crew deployment to support the province are compensated under an existing Resource Sharing Agreement.

OTHER IMPLICATIONS

There are no implications for member jurisdictions, First Nations, Policy, or reputation/relationships with this report.

CONCLUSION

The 2026 Protection Program has trained staff ready to respond to regional wildfires, confirmed interagency readiness, new technology, and fuels management initiatives. With a focus on prevention, preparedness, and rapid response, the program leverages long-standing agency partnerships and continues to explore new technologies and strategies to ensure source water protection.

ATTACHMENT

1. Presentation re: Wildfire Preparedness Update.

80681796



Sea-to-Sky Wildfire, 2023

Annual Wildfire Preparedness Update

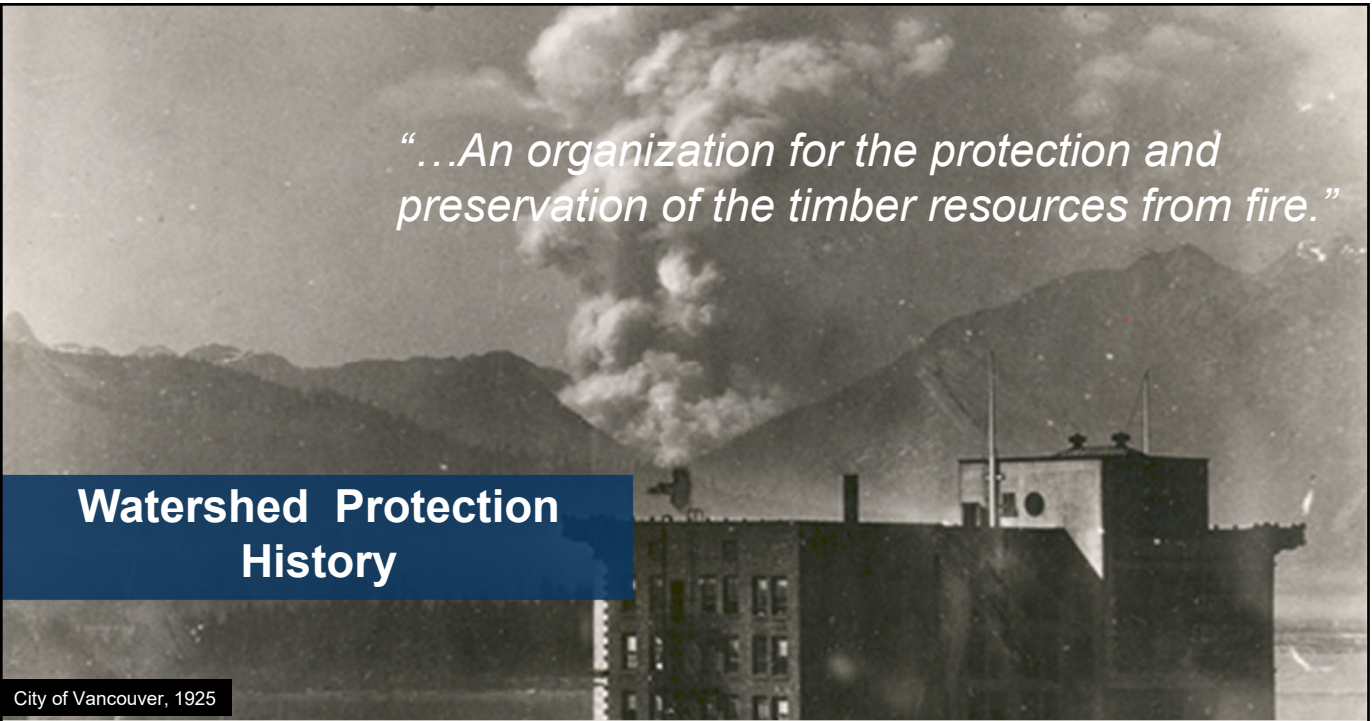
2026

Kevin Brown
Division Manager, Watershed Operations & Protection
Metro Vancouver

Water Committee, July 15, 2026

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“...An organization for the protection and preservation of the timber resources from fire.”

Watershed Protection History

City of Vancouver, 1925

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METRO VANCOUVER 2025 LOCAL WILDFIRE RESPONSE

- Crews on standby 151 days
- No fires in the water supply areas or LSCR
- 33 days deployed with the BC Wildfire Service

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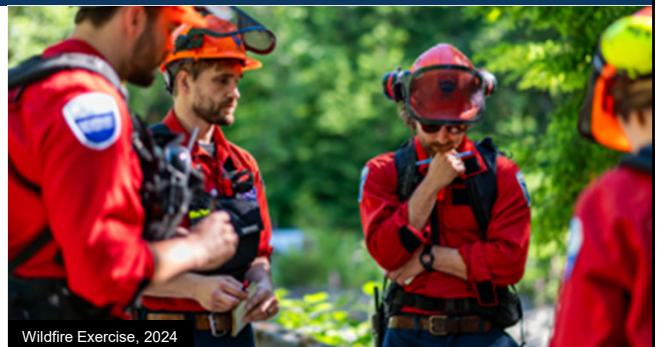
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METRO VANCOUVER WATERSHED PROTECTION

Wildfire response and support

- 3 initial attack crews
- Response officers
- On-call 24/7



Wildfire Exercise, 2024



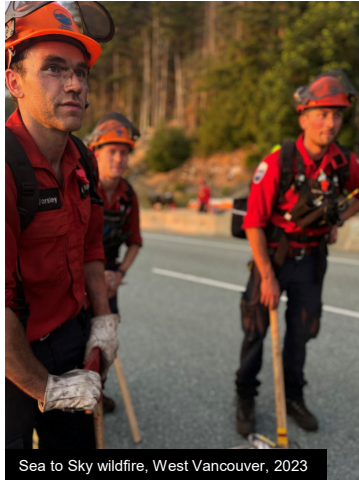
Minnekhada Regional Park Wildfire, 2022

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RESOURCE SHARING AGREEMENT AND INTERAGENCY READINESS



Sea to Sky wildfire, West Vancouver, 2023



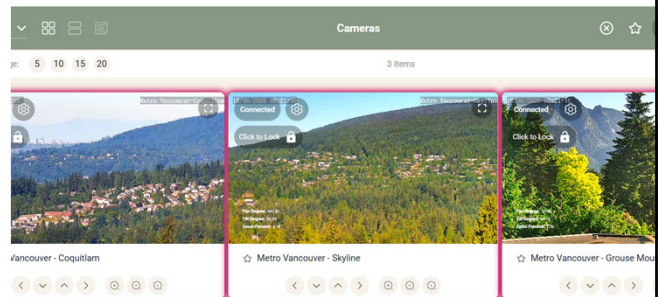
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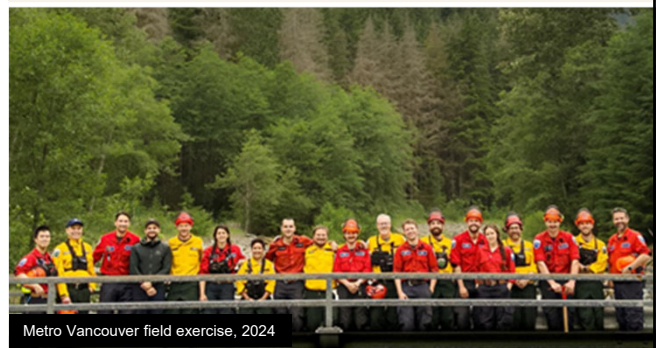
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METRO VANCOUVER WILDFIRE READINESS

- Crews and equipment
- Fire condition monitoring
- Response readiness



Wildfire Cameras



Metro Vancouver field exercise, 2024

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METRO VANCOUVER WILDFIRE FUEL TREATMENT PROJECT

- Wildfire fuel reduction in Capilano Water Supply Area
- Protect critical infrastructure
- Shared wildfire risk reduction



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2026 WILDFIRE CONDITIONS OUTLOOK

- Low snowpack
- Fire conditions depend on May/June rains
- Forecast calls for a warmer/drier summer season



Capilano Reservoir snow pack April 17, 2024

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9

To: Water Committee

From: Marilyn Towill, General Manager, Water Services

Date: June 29, 2026

Meeting Date: July 15, 2026

Subject: **DRAFT Five Year Capital Plan (2027 – 2031) Greater Vancouver Water District**

RECOMMENDATION

THAT the Water Committee receive for information the report dated June 29, 2026, titled “DRAFT Five Year Capital Plan (2027 – 2031) Greater Vancouver Water District”.

EXECUTIVE SUMMARY

The DRAFT Five Year Capital Plan for the Greater Vancouver Water District (GVWD) has been prepared following direction received at the April 15, 2026, Board Budget Workshop to prepare the Financial Plan and proceed through the 2027 budget cycle with household impact (HHI) targets as follows: 2027 at 3.0 per cent and 2028 to 2031 at 5.0 per cent.

The GVWD estimates capital spending of \$3.4 billion over the next five years funded by a combination of long-term debt, reserves, contributions from the operating budget, some external contributions from other agencies, as well as Development Cost Charges (DCCs) specifically funding growth projects. The net change from the previous five-year plan is an overall increase of \$357.7 million.

PURPOSE

To present to the Water Committee the DRAFT Water 2027 – 2031 Capital Plan for input and feedback, which will then be incorporated into the Fall Budget approval process.

BACKGROUND

On April 15, 2026, Metro Vancouver held a Board Budget Workshop seeking direction for the preparation of the 2027 – 2031 Financial Plan. This report provides the Water Committee with the information needed to provide comments on the DRAFT 2027 – 2031 Capital Plan which will then be incorporated into the 2027 – 2031 Financial Plan scheduled to be presented in October.

Water Customer Level of Service Objectives

Projects within the DRAFT 2027 – 2031 Capital Plan are guided by the Water Customer Level of Service Objectives, specifically:

- Maintain quality of the drinking water delivered;
- Maintain capacity and reliability of the Water Supply System;
- Improve environmental stewardship; and
- Minimize timeline to recover from a major event (including seismic, power interruption and climate change).

On an ongoing basis, staff monitor and evaluate the performance of the water supply system and its ability to achieve the service objectives. The projects in the Capital Plan include the infrastructure changes required to achieve the Customer Level of Service objectives on an ongoing basis while considering risk, affordability, and supply system constraints.

DRAFT Five Year Capital Plan (2027 – 2031) Greater Vancouver Water District

Water Committee Regular Meeting Date: July 15, 2026

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CAPITAL PLAN HIGHLIGHTS

The DRAFT Water 2027 – 2031 Capital Plan includes planned capital expenditures of \$486.1 million for 2027 and a total of \$3.4 billion over the five years, with an average expenditure of \$686.2 million per year (see **Attachment 1**). It should be noted that out of 188 projects on the 5-year plan, the largest eight projects make up 50 per cent of the capital spending.

The spending over the next five years is driven by infrastructure changes required as a result of:

- An increase in the number of residents moving into the region, creating an increased demand for drinking water, particularly South of the Fraser River (Growth);
- Need for replacement or refurbishment of existing infrastructure to ensure that the system continues to perform as required to meet Customer Level of Service objectives (Maintenance);
- Ensuring that infrastructure is resilient to major emergency events, including power outages, seismic events, and the impacts of climate change (Resilience); and
- Opportunities to reduce the life-cycle cost of services and/or achieve Board goals such as financial sustainability and the provision of enhanced service levels (Opportunity and Upgrade).

Table 1 below outlines the key capital projects planned or ongoing in 2027 – 2031 for Water Services.

Table 1. Key Water Services Capital Projects in 2027 (\$ Millions)

Asset Type	Project Name	Infrastructure Driver	2027 Capital Expenditures
Water Mains	Coquitlam Water Main	Growth	\$78.0M
Water Mains	Stanley Park Water Supply Tunnel	Maintenance	\$70.6
Treatment Plants	Coquitlam Lake Water Supply	Growth	\$55.1
Water Mains	Annacis Water Supply Tunnel	Growth	\$45.0
Water Mains	Annacis Main No. 5 (North)	Growth	\$30.0
Water Mains	Annacis Main No. 5 (South)	Growth	\$23.2
Pump Stations	Newton Pump Station No. 2	Growth	\$22.0
Water Mains	Central Park Main No. 2 (Patterson to 10th Ave)	Maintenance	\$18.6
Other Projects			\$143.6
Total 2027			\$486.1

The Capital Program for the GVWD is currently funded by a combination of long-term debt, reserves, contributions from the operating budget, some external contributions from other agencies, as well as DCCs specifically funding growth projects.

Capital 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 2027 – 2031 Capital Plan was increased from the prior cycle capital plan by \$357.7 million. The capital plan is the result of a detailed review of all projects following direction coming from the Board Budget Workshop on April 15, 2026.

DRAFT Five Year Capital Plan (2027 – 2031) Greater Vancouver Water District

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Capital Plan Review Process

Water Services and Project Delivery staff carefully reviewed the project schedules to accommodate any carry forwards and cost adjustments by deferring project phases where possible. Throughout the capital planning process, staff review each project to ensure efficient project timing, deliverability, and scope.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The Draft Water 2027 – 2031 Capital Plan estimates capital expenditures of \$3.4 billion over the next five years are funded by a combination of long-term debt, reserves, contributions from the operating budget, and some external contributions from other agencies, as well as Development Cost Charges (DCCs) specifically funding growth projects.

The \$3.4 billion estimated capital expenditure over five years is allocated to the following asset classes:

- Water Mains: \$2,160.6M
- Pump Stations: \$396.0M
- Reservoirs: \$146.0M
- Treatment Plants: \$404.7M
- Dams: \$105.3M
- Rechlorination Station: \$46.8M
- Water Supply Areas: \$4.5M
- Works Yard: \$120.0M
- Communication Systems: \$47.2M

The average estimated capital expenditures are approximately \$686.2M per year and the net change from the previous five-year plan is an increase of \$357.7M. This increase is a result of the 2031 expenditures being added into the 5-year window and the current year (2026) falling off, as well as adjustments to the schedules and estimates of projects as more up to date information is available.

Table 2. DRAFT Five Year Capital Plan (2027 – 2031) – Water Services.

	2027	2028	2029	2030	2031	DRAFT 5 YEAR CAPITAL PLAN (2027-2031)
Total Capital Expenditures (\$M)	\$486.1	\$544.3	\$672.7	\$882.5	\$845.5	\$3,431.1

This report provides an opportunity for Water Committee to provide feedback, which will then be incorporated into the 2027 Annual Operating Budget and Five-Year Financial Plan presentations to the Committees and the GVWD Board at the fall Board Budget Workshop.

OTHER IMPLICATIONS

The DRAFT Water 2027 – 2031 Capital Plan contains the water infrastructure projects needed to keep our regional transmission system in a state of good repair, serve the needs of the growing population, and be resilient to shocks and stresses.

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CONCLUSION

The DRAFT Water 2027 – 2031 Capital Plan is the consolidated list of infrastructure projects required to meet and maintain the regional Water Customer Level of Service Objectives and includes the financial impacts of these projects over the next five years.

The presentation on the DRAFT Water 2027 – 2031 Capital Plan provides the opportunity for the Water Committee to provide feedback, which will be incorporated into the Water Capital Plan and included in the October budget presentations to the Water Committee and the GVWD Board.

ATTACHMENTS

1. Greater Vancouver Water District – Draft Five Year Capital Plan (2027-2031).
2. Presentation re: Greater Vancouver Water District 2027 – 2031 Capital Plan.

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
CAPITAL EXPENDITURES									
Water Mains									
37th Avenue Main No. 2 (Rupert Street to Little Mountain Reservoir)	1,150,000	500,000	1,050,000	2,000,000	3,000,000	22,000,000	28,550,000	Design	Maintenance
Angus Drive Main	30,700,000	50,000	350,000	—	—	—	400,000	Construction	Growth
Angus Drive Turbine	—	—	50,000	1,550,000	1,000,000	—	2,600,000	Not Started	Opportunity
Annacis Main No. 2 (River Crossing Removal)	—	—	—	400,000	4,000,000	5,000,000	9,400,000	Not Started	Maintenance
Annacis Main No. 2 and Barnston Island Main Online Chlorine and pH Analyzers	1,500,000	50,000	200,000	—	—	—	250,000	Construction	Upgrade
Annacis Main No. 5 (North)	115,100,000	30,000,000	34,000,000	9,000,000	17,900,000	—	90,900,000	Construction	Growth
Annacis Main No. 5 (South)	103,550,000	23,150,000	7,750,000	1,400,000	19,350,000	—	51,650,000	Construction	Growth
Annacis Water Supply Tunnel*	482,200,000	45,000,000	20,000,000	12,070,141	7,998,141	—	85,068,282	Construction	Growth
BC Ferries Fleet Maintenance Unit Re-Development - Dike Construction - Lulu Island Delta Main Protection	3,000,000	1,500,000	—	—	—	—	1,500,000	Construction	Maintenance
Burnaby Mountain Main No. 2	2,300,000	200,001	699,999	2,500,000	5,500,000	6,500,000	15,400,000	Design	Maintenance
Cambie-Richmond Main (Oak Street) Aerial Crossing Rehabilitation	2,000,000	250,000	1,000,000	750,000	—	—	2,000,000	Construction	Maintenance
Cambie-Richmond Water Supply Tunnel*	82,850,000	7,000,000	7,000,000	17,376,927	10,000,000	60,000,000	101,376,927	Design	Resilience
Central Park Main No. 2 (10th Ave to Westburnco)	35,250,000	7,100,000	10,050,000	5,000,000	6,550,000	—	28,700,000	Construction	Maintenance
Central Park Main No. 2 (Patterson to 10th Ave)	140,850,000	18,600,000	17,350,000	8,550,000	—	—	44,500,000	Construction	Maintenance
Clayton Langley Main No. 2	11,700,000	500,001	2,199,999	5,300,000	3,000,000	—	11,000,000	Construction	Resilience
Coquitlam Water Main*	1,637,950,000	78,000,000	99,000,000	134,000,000	194,800,000	190,000,000	695,800,000	Multiple	Growth
Decommissioned and Abandoned Pipe projects	—	—	—	—	—	3,000,000	3,000,000	Not Started	Maintenance
Douglas Road Main No. 2 (Flow Meter 169) Replacement	2,000,000	50,000	—	—	—	—	50,000	Construction	Maintenance
Douglas Road Main No. 2 (Vancouver Heights Section)	22,950,000	800,000	950,000	—	—	—	1,750,000	Construction	Maintenance
Douglas Road Main No. 2 Still Creek	58,550,000	100,000	750,000	—	—	—	850,000	Construction	Maintenance
Douglas Road Main Protection	1,150,000	200,000	50,000	50,000	50,000	50,000	400,000	Construction	Maintenance
Emergency Reservoir and Valve refurbishments	10,000,000	1,000,000	5,000,000	8,800,000	5,000,000	5,000,000	24,800,000	Construction	Upgrade
Fortis Tilbury LNG Project Phase 2	200,000	50,000	50,000	50,000	—	—	150,000	Construction	Maintenance
Improvements to Capilano Mains No. 4 and 5	2,700,000	50,000	1,750,000	700,000	—	—	2,500,000	Construction	Maintenance
Kennedy Newton Main	181,650,000	2,850,000	3,000,000	2,000,000	—	—	7,850,000	Construction	Growth
Lulu Island - Delta Main - Scour Protection Phase 2	200,000	150,000	500,000	2,800,000	—	—	3,450,000	Design	Maintenance
Lulu-Delta Water Supply Tunnel*	56,000,000	3,500,000	5,500,000	10,379,000	34,000,000	—	53,379,000	Design	Maintenance

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
Lynn Valley Aerial Crossing 20" BFV Replacement	2,400,000	2,300,000	—	—	—	—	2,300,000	Construction	Maintenance
Lynn Valley Road Main No. 2	650,000	50,000	550,000	1,000,000	800,000	6,000,000	8,400,000	Design	Maintenance
Lynn Valley Road Main, Seymour Main No. 3 & Seymour Main No. 4 Aerial Crossings Rehabilitation	8,400,000	2,810,000	500,000	—	—	—	3,310,000	Construction	Maintenance
Maple Ridge Main West Lining Repairs	5,400,000	50,000	1,000,000	2,500,000	1,450,000	—	5,000,000	Construction	Maintenance
Newton Reservoir Connection	6,250,000	1,100,000	1,550,000	4,200,000	8,000,000	9,000,000	23,850,000	Design	Growth
Pitt River (Haney) Water Supply Tunnel*	45,800,000	15,604,064	6,604,064	6,604,064	—	—	28,812,192	Design	Resilience
Port Coquitlam Water Main (Formerly Haney Main No. 4 (West Section))	10,050,000	1,500,000	3,050,000	21,900,000	39,450,000	51,050,000	116,950,000	Multiple	Growth
Port Mann Main No. 2 (South)	38,950,000	50,000	1,150,000	7,000,000	11,250,000	14,000,000	33,450,000	Multiple	Growth
Port Mann No. 1 South Section Decommissioning	2,350,000	150,000	800,000	500,000	450,000	250,000	2,150,000	Construction	Maintenance
Port Moody Main No. 1 Christmas Way Relocation	2,300,000	100,000	100,000	150,000	50,000	50,000	450,000	Construction	Maintenance
Port Moody Main No. 3 Scott Creek Section	63,500,000	5,300,000	10,150,000	15,150,000	10,100,000	4,900,000	45,600,000	Construction	Maintenance
Queensborough Main Royal Avenue Relocation	1,400,000	100,000	100,000	100,000	100,000	100,000	500,000	Construction	Maintenance
Relocation and Protection for MOTI Expansion Project Broadway	1,150,000	100,000	100,000	100,000	100,000	550,000	950,000	Construction	Maintenance
Relocation and Protection for MOTI George Massey Crossing Replacement	8,350,000	100,000	100,000	100,000	100,000	100,000	500,000	Construction	Maintenance
Relocation and Protection for Translink Expansion Project Surrey Langley SkyTrain	6,550,000	100,000	100,000	100,000	100,000	100,000	500,000	Construction	Maintenance
Sapperton Main No. 1 New Line Valve and Chamber	4,350,000	100,000	150,000	—	—	—	250,000	Construction	Upgrade
Sapperton Main No. 2 North Road Relocation and Protection	750,000	100,000	100,000	100,000	100,000	—	400,000	Construction	Maintenance
Scour Protection Assessments and Construction General	3,900,000	100,000	500,000	600,000	500,000	—	1,700,000	Design	Resilience
Second Narrows Crossing 1 & 2 (Burrard Inlet Crossing Removal)*	2,000,000	400,000	1,099,978	3,000,000	12,000,000	10,000,000	26,499,978	Design	Maintenance
Second Narrows Water Supply Tunnel*	468,550,000	15,000,000	10,000,000	8,129,859	2,354,554	—	35,484,413	Construction	Resilience
Seymour Main No. 2 Joint Improvements	7,100,000	1,250,000	1,000,000	2,000,000	1,500,000	1,500,000	7,250,000	Construction	Resilience
Seymour Valley Water Main (formerly Seymour Main No. 5 III (North))	21,100,000	2,720,000	6,330,000	29,670,000	32,900,000	37,250,000	108,870,000	Construction	Resilience
South Delta Main No. 1 - Ferry Road Check Valve Replacement	2,600,000	500,000	600,000	—	—	—	1,100,000	Construction	Maintenance
South Delta Main No. 1 Replacement Project	2,300,000	100,000	400,000	1,000,000	1,800,000	2,000,000	5,300,000	Design	Maintenance
South Delta Main No. 3 - 12th Ave to Pebble Hill	450,000	—	—	—	300,000	200,000	500,000	Not Started	Resilience
South Delta Mains - 28 Ave Crossover	12,350,000	550,000	—	—	—	—	550,000	Construction	Upgrade

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
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	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
South Surrey Main No. 1 Nickomekl Dam Relocation	7,100,000	100,000	250,000	2,000,000	3,450,000	—	5,800,000	Construction	Maintenance
South Surrey Main No. 2	30,600,000	1,850,000	6,700,000	29,250,000	44,500,000	36,400,000	118,700,000	Construction	Growth
South Surrey Main No. 2 Nickomekl Dam Prebuild	2,000,000	50,000	500,000	1,350,000	—	—	1,900,000	Construction	Growth
Stanley Park Water Supply Tunnel*	495,000,000	70,556,500	70,000,000	42,000,000	82,945,560	20,242,266	285,744,326	Construction	Maintenance
Tilbury Junction Chamber Valves Replacement with Actuators	7,600,000	50,000	1,650,000	1,000,000	—	—	2,700,000	Construction	Upgrade
Tilbury Main North Fraser Way Valve Addition	3,100,000	100,000	1,400,000	1,050,000	—	—	2,550,000	Construction	Maintenance
Vancouver Heights System Resiliency Improvements	2,650,000	50,000	—	—	—	—	50,000	Construction	Resilience
Water Chamber Improvements and Repairs	1,850,000	300,000	300,000	300,000	—	—	900,000	Construction	Maintenance
Water Meter Upgrades	22,400,000	1,500,000	1,300,000	3,350,000	3,000,000	3,000,000	12,150,000	Construction	Upgrade
Whalley Kennedy Main No. 2	2,900,000	50,000	50,000	50,000	1,400,000	250,000	1,800,000	Design	Growth
Whalley Main	31,800,000	50,000	400,000	—	—	—	450,000	Construction	Growth
Total Water Mains	\$4,321,450,000	\$ 345,540,566	\$ 346,834,040	\$ 408,929,991	\$ 570,848,255	\$ 488,492,266	\$ 2,160,645,118		
Pump Stations									
Barnston/Maple Ridge Pump Station - Back-up Power	\$ 16,900,000	\$ 300,000	\$ 5,200,000	\$ 5,300,000	\$ 12,200,000	\$ 21,500,000	\$ 44,500,000	Construction	Resilience
Barnston/Maple Ridge Pump Station Power Generation	2,900,000	—	200,000	1,000,000	1,300,000	—	2,500,000	Not Started	Opportunity
Burnaby Mountain Pump Station Improvement	6,000,000	500,000	2,000,000	2,000,000	1,300,000	—	5,800,000	Construction	Upgrade
Burnaby Mountain Pump Station No. 2	13,100,000	2,200,000	3,200,000	26,800,000	26,700,000	26,600,000	85,500,000	Design	Maintenance
Cape Horn Pump Station No. 2 Power Distribution and DC Drive Replacement	400,000	250,000	850,000	4,300,000	6,700,000	—	12,100,000	Design	Maintenance
Cape Horn Pump Station No. 3	37,650,000	2,300,000	5,500,000	9,350,000	32,000,000	41,500,000	90,650,000	Design	Growth
Capilano Raw Water Pump Station - Back-up Power	81,000,000	500,000	5,450,000	—	—	—	5,950,000	Construction	Resilience
Capilano Raw Water Pump Station and Capilano Facilities	400,000	200,000	400,000	400,000	400,000	400,000	1,800,000	Design	Maintenance
Capilano Raw Water Pump Station Bypass PRV Upgrades	5,450,000	1,000,000	1,000,000	2,000,000	—	—	4,000,000	Construction	Maintenance
Capilano Raw Water Pump Station VFD Upgrades	4,000,000	850,000	2,150,000	900,000	—	—	3,900,000	Construction	Maintenance
Central Park WPS Starters Replacement	20,000,000	600,001	600,000	2,999,999	4,200,000	5,000,000	13,400,000	Construction	Maintenance
Cleveland Dam Pump House Improvement and Seismic upgrade	500,000	500,000	2,000,000	1,500,000	1,000,000	50,000	5,050,000	Design	Maintenance
Grandview Pump Station Improvements	4,550,000	100,000	700,000	—	—	—	800,000	Construction	Resilience

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
Kersland Pump Station Improvement and Seismic upgrade	250,000	250,000	1,000,000	500,000	800,000	2,500,000	5,050,000	Design	Resilience
Kersland Pump Station No. 2	—	—	—	—	2,000,000	3,000,000	5,000,000	Not Started	Maintenance
Little Mountain Pump Station Improvement and Seismic upgrade	450,000	450,000	2,000,000	1,500,000	1,800,000	3,300,000	9,050,000	Design	Resilience
Little Mountain Pump Station No. 2	—	—	—	—	2,000,000	3,000,000	5,000,000	Not Started	Maintenance
Newton Pump Station No. 1 - Decommissioning and PRV	—	—	—	—	500,000	2,500,000	3,000,000	Not Started	Maintenance
Newton Pump Station No. 2	90,050,000	22,050,000	8,800,000	6,000,000	1,300,000	—	38,150,000	Construction	Growth
Pebble Hill Pump Station Seismic Upgrade	—	—	150,000	350,000	1,000,000	1,000,000	2,500,000	Not Started	Resilience
Pump Station Assessments and Upgrade Recommendations	2,550,000	500,000	500,000	500,000	500,000	500,000	2,500,000	Construction	Upgrade
Vancouver Heights Pump Station	1,000,000	250,000	1,500,000	1,250,000	500,000	50,000	3,550,000	Design	Maintenance
Westburnco Pump Station - Back-up Power	99,900,000	300,000	1,500,000	7,000,000	11,500,000	25,550,000	45,850,000	Design	Resilience
Westburnco Pump Station No. 2 VFD Replacements	3,050,000	200,000	250,000	—	—	—	450,000	Construction	Maintenance
Total Pump Stations	\$ 390,100,000	\$ 33,300,001	\$ 44,950,000	\$ 73,649,999	\$ 107,700,000	\$ 136,450,000	\$ 396,050,000		
Reservoirs									
Burnaby Mountain Tank No. 2 and No. 3	\$ 8,350,000	\$ 1,000,000	\$ 3,200,000	\$ 7,150,000	\$ 20,000,000	\$ 17,000,000	\$ 48,350,000	Design	Resilience
Cape Horn Reservoir Condition Assessment and Structural Repair	500,000	200,000	1,000,000	1,000,000	—	—	2,200,000	Design	Maintenance
Capilano Energy Recovery Facility 66" PRV Replacement	1,800,000	500,000	1,800,000	3,750,000	1,500,000	1,000,000	8,550,000	Design	Maintenance
Capilano Energy Recovery Facility Operational Upgrades	1,550,000	900,000	—	—	—	—	900,000	Construction	Maintenance
Central Park Reservoir Structural Improvements	700,000	50,000	2,300,000	3,000,000	1,600,000	—	6,950,000	Design	Maintenance
Dechlorination for Reservoir Overflow and Underdrain Discharges	3,500,000	300,000	600,000	1,800,000	—	—	2,700,000	Construction	Maintenance
Fleetwood Reservoir	61,150,000	250,000	1,000,000	500,000	—	—	1,750,000	Construction	Growth
Hellings Tank No. 2	—	—	2,500,000	4,000,000	7,500,000	4,000,000	18,000,000	Not Started	Growth
Hellings Tank Operational Upgrades	23,650,000	2,500,000	11,200,000	1,250,000	—	—	14,950,000	Construction	Growth
Kersland Reservoir No. 1 Structural Improvements	5,500,000	100,000	1,600,000	—	—	—	1,700,000	Construction	Maintenance
Newton Reservoir Cell #2 Structural Improvements	800,000	200,000	1,900,000	2,700,000	1,500,000	—	6,300,000	Design	Maintenance
Pebble Hill Reservoir No. 3 Seismic Upgrade	500,000	50,000	3,000,000	6,000,000	3,000,000	—	12,050,000	Design	Resilience
Prospect Reservoir Knotweed Removal and Drainage Improvements	7,000,000	50,000	200,000	—	2,000,000	—	2,250,000	Construction	Maintenance
Reservoir Isolation Valve Automation	6,400,000	50,000	1,000,000	1,450,000	1,700,000	550,000	4,750,000	Construction	Resilience

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
Reservoir Sampling Kiosks - Multi Location	2,100,000	300,000	400,000	850,000	200,000	—	1,750,000	Construction	Upgrade
Reservoir Structural Assessments Phase 1	3,200,000	800,000	150,000	—	—	—	950,000	Design	Maintenance
Reservoir Structural Assessments Phase 2	—	—	500,000	1,700,000	1,000,000	—	3,200,000	Not Started	Maintenance
Sasamat Reservoir Seismic Upgrade	—	—	—	—	—	1,200,000	1,200,000	Not Started	Resilience
Seismic upgrade - Cape Horn Reservoir	—	—	—	—	—	2,000,000	2,000,000	Not Started	Resilience
Seismic upgrade - Vancouver Heights Reservoir	—	—	—	—	—	2,000,000	2,000,000	Not Started	Resilience
Sunnyside Reservoir Units 1 and 2 Seismic Upgrade	17,200,000	100,000	400,000	2,950,000	—	—	3,450,000	Construction	Resilience
Total Reservoirs	\$ 143,900,000	\$ 7,350,000	\$ 32,750,000	\$ 38,100,000	\$ 40,000,000	\$ 27,750,000	\$ 145,950,000		
Treatment Plants									
Coquitlam Intake Tower Seismic Upgrade	\$ 2,150,000	\$ —	\$ 2,000,000	\$ 2,000,000	\$ 8,000,000	\$ 15,000,000	\$ 27,000,000	Not Started	Resilience
Coquitlam Lake Water Supply*	253,950,000	55,150,000	33,300,000	32,500,000	34,300,000	43,300,000	198,550,000	Design	Growth
CWTP CO2 System Improvements	11,200,000	900,000	2,100,000	3,350,000	2,000,000	2,500,000	10,850,000	Construction	Maintenance
CWTP Mobile Disinfection System	2,900,000	750,000	1,150,000	—	500,000	—	2,400,000	Construction	Upgrade
CWTP Ozone Back-up Power	3,350,000	200,000	1,000,000	3,000,000	4,135,000	5,000,000	13,335,000	Design	Resilience
CWTP Ozone Generation Upgrades for Units 2 & 3	7,500,000	50,000	50,000	300,000	300,000	—	700,000	Construction	Upgrade
CWTP Ozone Sidestream Pump VFD Replacement	1,400,000	50,000	200,000	—	—	—	250,000	Construction	Maintenance
CWTP Process Equipment Improvements and Rehabilitation	750,000	250,000	1,000,000	500,000	500,000	200,000	2,450,000	Design	Maintenance
CWTP Soda Ash Double Containment	1,250,000	50,000	500,000	700,000	—	—	1,250,000	Construction	Maintenance
CWTP Temporary Water Supply	—	—	400,000	2,000,000	1,000,000	—	3,400,000	Not Started	Maintenance
Graphics Software Migration	8,300,000	500,000	2,000,000	3,000,000	800,000	1,900,000	8,200,000	Construction	Maintenance
SCFP - Greenwood and Back Wash Water Supply Pumps & SCOUR Blower VFD Replacement	4,500,000	1,700,000	1,600,000	500,000	—	—	3,800,000	Construction	Maintenance
SCFP Additional Pre-Treatment	4,000,000	500,000	1,700,000	8,700,000	13,000,000	16,000,000	39,900,000	Design	Upgrade
SCFP Centralized Compressed Air System	1,900,000	250,000	150,000	850,000	—	—	1,250,000	Construction	Maintenance
SCFP Clearwell Baffle Replacement	4,100,000	1,450,000	1,050,000	6,500,000	4,500,000	—	13,500,000	Construction	Maintenance
SCFP Clearwell Membrane Replacement	25,800,000	700,000	5,600,000	13,000,000	5,800,000	—	25,100,000	Construction	Maintenance
SCFP CO2 Tank Upgrade - Heat Insulation/Heater Replacement	1,000,000	50,000	200,000	700,000	—	—	950,000	Construction	Upgrade
SCFP Floc Tank Baffle Replacement and Ladder Installation to Improve Accessibility	13,800,000	1,400,000	5,000,000	2,400,000	4,000,000	—	12,800,000	Construction	Maintenance
SCFP Heat Pump Retrofit	6,000,000	500,000	1,000,000	2,500,000	1,700,000	—	5,700,000	Construction	Maintenance
SCFP OMC Building Expansion	9,400,000	2,550,000	3,200,000	1,800,000	—	—	7,550,000	Construction	Maintenance
SCFP Polymer System Upgrade	4,650,000	50,000	500,000	—	—	—	550,000	Construction	Maintenance
SCFP Residuals Handling PH Adjustment Permanent System	4,000,000	300,000	1,000,000	—	2,500,000	—	3,800,000	Construction	Upgrade

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
SCFP Roofing Replacement	1,200,000	200,000	3,600,000	4,200,000	3,500,000	9,950,000	21,450,000	Design	Maintenance
Total Treatment Plants	\$ 373,100,000	\$ 67,550,000	\$ 68,300,000	\$ 88,500,000	\$ 86,535,000	\$ 93,850,000	\$ 404,735,000		
Dams									
Capilano Hydropower	\$ 250,000	\$ —	\$ —	\$ —	\$ —	2,100,000	2,100,000	Not Started	Opportunity
Capilano Reservoir and Seymour Reservoir Boom Maintenance	—	—	—	—	250,000	750,000	1,000,000	Not Started	Maintenance
Capilano Reservoir and Seymour Reservoir Dam Safety Boom Replacement	10,100,000	7,000,000	2,500,000	—	—	—	9,500,000	Construction	Maintenance
CLD & SFD Fasteners Replacement & Coating Repairs	2,350,000	300,000	200,000	—	—	—	500,000	Construction	Maintenance
CLD and SFD Lead Paint Removal, Surface Crack Injection and General Corrosion Mitigation	5,500,000	2,000,000	900,000	500,000	—	—	3,400,000	Construction	Maintenance
CLD Bridge Expansion Joint Renewal	100,000	50,000	300,000	—	—	—	350,000	Design	Maintenance
CLD Dam Control System Upgrade	350,000	140,000	390,000	250,000	600,000	1,000,000	2,380,000	Design	Maintenance
CLD Upper Outlet Slide Gate Refurbishment and Potential Flow Control Upgrade	750,000	400,000	150,000	1,275,000	1,275,000	950,000	4,050,000	Construction	Maintenance
Cleveland Dam - Lower Outlet HBV Rehabilitation	5,150,000	50,000	200,000	—	—	—	250,000	Construction	Maintenance
Cleveland Dam Domestic Intake Concrete Repair	450,000	250,000	—	—	—	—	250,000	Construction	Maintenance
Cleveland Dam Drumgate Seal Replacement	1,300,000	50,000	—	—	—	—	50,000	Construction	Maintenance
Cleveland Dam East Abutment Groundwater Control Seismic Upgrade	—	—	500,000	500,000	1,000,000	5,000,000	7,000,000	Not Started	Upgrade
Cleveland Dam MCE Seismic Upgrades	—	—	1,000,000	1,000,000	1,000,000	2,000,000	5,000,000	Not Started	Resilience
Cleveland Dam Power Resiliency Improvements	1,700,000	250,000	250,000	500,000	300,000	—	1,300,000	Construction	Resilience
Cleveland Dam Public Warning System and Enhancements	10,000,000	1,300,000	300,000	700,000	—	—	2,300,000	Construction	Maintenance
Cleveland Dam Seismic Stability Evaluation	1,500,000	400,000	450,000	—	—	—	850,000	Design	Resilience
Cleveland Dam Spillway Resurfacing	—	—	—	—	400,000	4,000,000	4,400,000	Not Started	Maintenance
Loch Lomond Formalized Spillway Design and Construction	—	—	50,000	250,000	1,500,000	500,000	2,300,000	Not Started	Maintenance
Loch Lomond Outlet Works Rehabilitation	12,350,000	800,000	3,200,000	3,500,000	2,000,000	2,000,000	11,500,000	Construction	Resilience
Palisade and Burwell Dam Boom Detailed Design and Construction	100,000	50,000	150,000	550,000	100,000	—	850,000	Design	Resilience
Palisade Outlet Works Rehabilitation	11,950,000	50,000	50,000	50,000	50,000	5,000,000	5,200,000	Construction	Maintenance
Rice Lake Dams Rehabilitation	3,000,000	350,000	250,000	1,000,000	500,000	250,000	2,350,000	Construction	Maintenance
Rice Lake Tunnel Decommissioning	500,000	250,000	350,000	2,500,000	2,500,000	—	5,600,000	Design	Maintenance
SCFP Facility Rehabilitation	4,450,000	400,000	1,000,000	1,000,000	1,000,000	1,000,000	4,400,000	Construction	Maintenance
Seymour Dam Hydropower	—	—	—	—	600,000	2,800,000	3,400,000	Not Started	Opportunity

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
Seymour Falls and Cleveland Dam ADAS Integration of New Instruments	800,000	400,000	425,000	25,000	—	—	850,000	Construction	Upgrade
Seymour Falls Dam Backup Generator Containment and Replacement	2,000,000	800,000	350,000	—	—	—	1,150,000	Construction	Maintenance
Seymour Falls Dam Domestic Slide Gates HPU Replacement	250,000	25,000	125,000	350,000	250,000	50,000	800,000	Design	Maintenance
Seymour Falls Dam Public Warning System	10,000,000	750,000	2,000,000	1,000,000	100,000	5,200,000	9,050,000	Construction	Maintenance
Seymour Falls Dam Seismic Stability Assessment	3,800,000	1,000,000	1,000,000	700,000	2,850,000	2,500,000	8,050,000	Design	Resilience
Seymour Falls Dam Turbine Replacement	—	—	—	—	2,800,000	—	2,800,000	Not Started	Maintenance
Seymour Falls Dam Turbine Upgrade	200,000	150,000	450,000	600,000	50,000	—	1,250,000	Design	Maintenance
SFD and CLD Debris Removal	1,200,000	650,000	450,000	—	—	—	1,100,000	Construction	Maintenance
Total Dams	\$ 90,100,000	\$ 17,865,000	\$ 16,990,000	\$ 16,250,000	\$ 19,125,000	\$ 35,100,000	\$ 105,330,000		
Rechlorination Stations									
Capilano Primary Disinfection Decommissioning	—	—	500,000	2,000,000	500,000	—	3,000,000	Not Started	Maintenance
Newton Rechlorination Station No. 2	850,000	50,000	700,000	900,000	1,400,000	3,000,000	6,050,000	Design	Maintenance
Pitt River Rechlorination Station Reconstruction	—	—	500,000	800,000	1,000,000	3,300,000	5,600,000	Not Started	Maintenance
Rechlorination Sites - Back-Up Power	—	—	—	200,000	400,000	500,000	1,100,000	Not Started	Resilience
Rechlorination Station Upgrades	24,950,000	3,200,000	7,900,000	5,000,000	9,900,000	5,000,000	31,000,000	Construction	Maintenance
Total Rechlorination Stations	\$ 25,800,000	\$ 3,250,000	\$ 9,600,000	\$ 8,900,000	\$ 13,200,000	\$ 11,800,000	\$ 46,750,000		
Water Supply Areas									
Capilano Watershed Bridge Replacements - Crown Creek and Capilano River	100,000	95,000	200,000	1,000,000	—	—	1,295,000	Design	Maintenance
Capilano Watershed Security Gatehouse	5,700,000	100,000	600,000	—	—	—	700,000	Construction	Maintenance
Twin Bridge East Abutment Protection - Lower Seymour Conservation Reserve	—	—	—	—	—	400,000	400,000	Not Started	Maintenance
Water Supply Area Aggregate Production	1,000,000	550,000	450,000	—	—	100,000	1,100,000	Construction	Resilience
Water Supply Area Gate Replacements	—	—	750,000	250,000	—	—	1,000,000	Not Started	Maintenance
Total Water Supply Areas	\$ 6,800,000	\$ 745,000	\$ 2,000,000	\$ 1,250,000	\$ —	\$ 500,000	\$ 4,495,000		
Works Yard									
Beach Yard Facility - Site Redevelopment	3,000,000	500,000	1,500,000	2,700,000	5,000,000	24,500,000	34,200,000	Design	Maintenance
Lake City HVAC Upgrade	6,200,000	400,000	1,050,000	2,000,000	1,500,000	950,000	5,900,000	Design	Resilience
Microbiology Laboratory Expansion	1,900,000	500,000	650,000	1,150,000	3,000,000	5,000,000	10,300,000	Design	Maintenance
South Fraser Storage Yard	9,000,000	1,750,000	4,950,000	1,850,000	7,550,000	2,000,000	18,100,000	Construction	Maintenance
South Fraser Works Yard	59,000,000	1,400,000	4,800,000	17,350,000	16,000,000	12,000,000	51,550,000	Design	Maintenance
Total Water Works Yard	\$ 79,100,000	\$ 4,550,000	\$ 12,950,000	\$ 25,050,000	\$ 33,050,000	\$ 44,450,000	\$ 120,050,000		

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 — 2031)

	DRAFT CAPITAL BUDGET**	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
Communication Systems									
Critical Control Sites - Back-Up Power	—	—	300,000	500,000	800,000	1,400,000	3,000,000	Not Started	Resilience
Facilities O&M Documentation Development	2,000,000	400,000	550,000	600,000	—	—	1,550,000	Design	Resilience
Industrial Communication Manager Migration	7,750,000	1,600,000	2,150,000	1,500,000	500,000	750,000	6,500,000	Construction	Maintenance
Online Chlorine and pH Analyzers	3,500,000	1,000,000	1,500,000	2,250,000	1,500,000	—	6,250,000	Construction	Upgrade
SCFP & CWTP Control System I/O Modernization	—	—	250,000	3,200,000	3,200,000	1,000,000	7,650,000	Not Started	Maintenance
Small Logic Controller Control System Upgrades Phase 1	3,000,000	600,000	600,000	600,000	750,000	—	2,550,000	Construction	Maintenance
Water Optimization - Instrumentation	21,550,000	2,350,000	4,600,000	3,200,000	4,800,000	3,700,000	18,650,000	Multiple	Upgrade
Water Supply Area Hydrometric and Meteorological Station Replacements	—	—	—	250,000	500,000	250,000	1,000,000	Not Started	Maintenance
Total Communication Systems	\$ 37,800,000	\$ 5,950,000	\$ 9,950,000	\$ 12,100,000	\$ 12,050,000	\$ 7,100,000	\$ 47,150,000		
TOTAL CAPITAL EXPENDITURES	\$5,468,150,000	\$ 486,100,567	\$ 544,324,040	\$ 672,729,990	\$ 882,508,255	\$ 845,492,266	\$ 3,431,155,118		
SUMMARY BY DRIVER									
Growth	\$3,140,150,000	\$ 265,950,000	\$ 239,800,000	\$ 275,820,141	\$ 419,748,141	\$ 389,500,000	\$ 1,590,818,282		
Maintenance	1,297,000,000	160,826,502	213,314,977	245,753,999	302,620,560	212,892,266	1,135,408,304		
Resilience	913,750,000	49,374,065	68,634,063	116,430,850	123,639,554	205,000,000	563,078,532		
Upgrade	114,100,000	9,950,000	22,325,000	32,175,000	33,600,000	33,200,000	131,250,000		
Opportunity	3,150,000	—	250,000	2,550,000	2,900,000	4,900,000	10,600,000		
Total	\$5,468,150,000	\$ 486,100,567	\$ 544,324,040	\$ 672,729,990	\$ 882,508,255	\$ 845,492,266	\$ 3,431,155,118		

**Draft Capital Budget refers to the estimated project costs to active phase.

* Project is part of Metro Vancouver's formal stage gate framework. Detailed project report will be brought forward as part of the stage gate review process.



Clayton Reservoir Valve Chamber

GREATER VANCOUVER WATER DISTRICT

DRAFT FIVE YEAR CAPITAL PLAN (2027 – 2031)

Marilyn Towill

General Manager, Water Services

Water Committee Meeting, July 15, 2026
85840287

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AGENDA

- Water System Overview
- Financial Plan Process Overview
- Capital Plan Drivers
- Water Services Projects Overview

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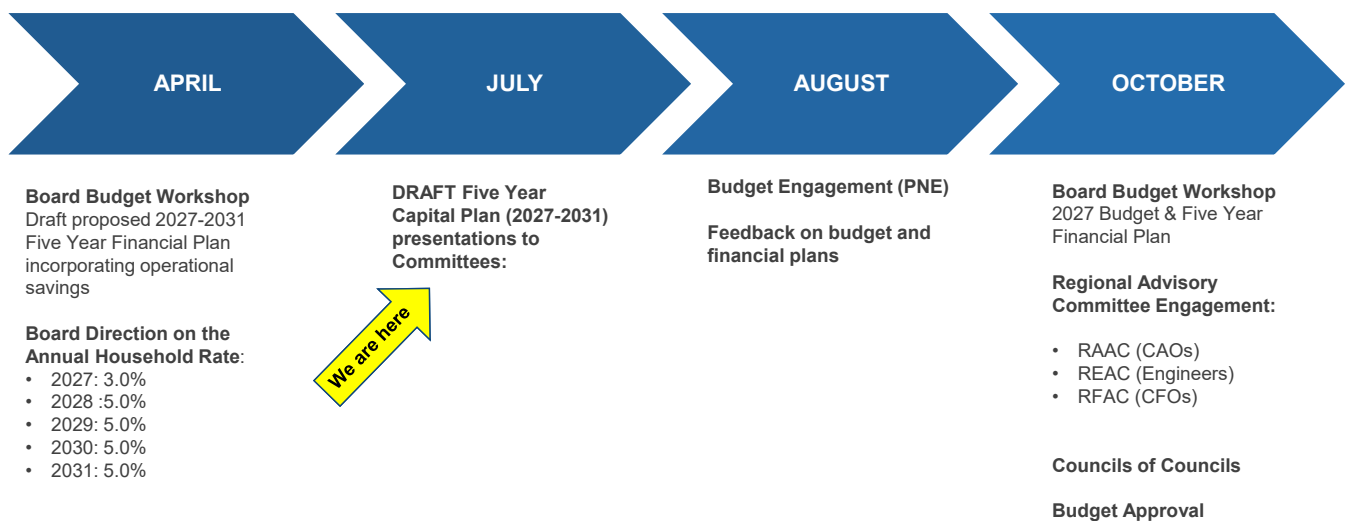
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2027-2031 FINANCIAL PLAN & ANNUAL BUDGET TIMELINE



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WATER SERVICES CAPITAL PROGRAM

GREATER VANCOUVER WATER DISTRICT
CAPITAL PORTFOLIO
WATER SERVICES
DRAFT FIVE YEAR CAPITAL PLAN (2027 – 2031)

- 188 Capital Projects
- Capital Expenditures for five years
- Provides active phase; primary driver
- Nine Asset Classes

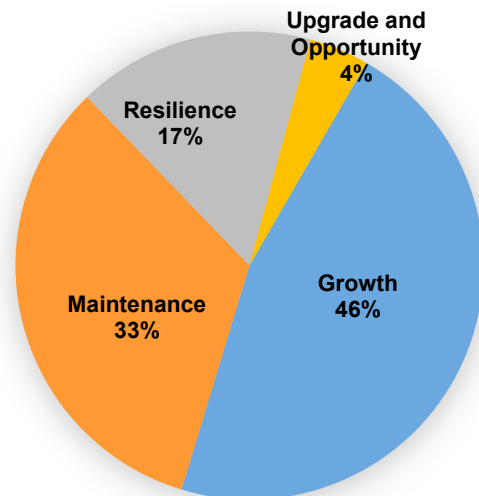
	DRAFT CAPITAL BUDGET	2027 CAPITAL EXPENDITURES	2028 CAPITAL EXPENDITURES	2029 CAPITAL EXPENDITURES	2030 CAPITAL EXPENDITURES	2031 CAPITAL EXPENDITURES	2027 TO 2031 TOTAL CAPITAL EXPENDITURES	ACTIVE PHASE	PRIMARY DRIVER
CAPITAL EXPENDITURES									
Water Mains									
Decommissioned and Abandoned Pipe projects	–	–	–	–	–	3,000,000	3,000,000	Not Started	Maintenance
37th Avenue Main No. 2 (Rupert Street to Little Mountain Reservoir)	1,150,000	500,000	1,050,000	2,000,000	3,000,000	22,000,000	28,550,000	Design	Maintenance
Angus Drive Main	30,700,000	50,000	350,000	–	–	–	420,000	Construction	Growth
Angus Drive Turbine	–	–	50,000	1,550,000	1,000,000	–	2,600,000	Not Started	Opportunity
Annacis Main No. 2 (River Crossing Removal)	–	–	–	400,000	4,000,000	5,000,000	9,400,000	Not Started	Maintenance
Annacis Main No. 2 and Bannerton Island Main Online Chlorine and pH Analysis	1,500,000	50,000	200,000	–	–	–	250,000	Construction	Upgrade
Annacis Main No. 5 (North)	115,100,000	30,000,000	34,000,000	9,000,000	17,900,000	–	90,900,000	Construction	Growth
Annacis Main No. 5 (South)	103,550,000	23,150,000	7,750,000	1,400,000	19,350,000	–	51,650,000	Construction	Growth
Annacis Water Supply Tunnel*	482,200,000	45,000,000	20,000,000	12,070,141	7,999,141	–	85,068,282	Construction	Growth
BC Ferries Fleet Maintenance Unit Re-Development - Dike Construction - Lulu Island Delta Main Protection	3,000,000	1,500,000	–	–	–	–	1,500,000	Construction	Maintenance
Burnaby Mountain Main No. 2	2,300,000	200,000	689,999	2,500,000	5,500,000	6,500,000	15,400,000	Design	Maintenance
Cambie-Richmond Main (Oak Street) Aerial Crossing Rehabilitation	2,000,000	250,000	1,900,000	750,000	–	–	2,000,000	Construction	Maintenance
Cambie-Richmond Water Supply Tunnel*	82,850,000	7,000,000	7,000,000	17,376,927	10,000,000	60,000,000	101,376,927	Design	Resilience
Central Park Main No. 2 (10th Ave to Westburncroft)	35,250,000	7,100,000	10,050,000	5,000,000	6,550,000	–	28,700,000	Construction	Maintenance
Central Park Main No. 2 (Patterson to 10th Ave)	140,850,000	18,600,000	17,350,000	8,550,000	–	–	44,500,000	Construction	Maintenance
Clayton Langley Main No. 2	11,700,000	500,000	2,199,999	5,300,000	3,000,000	–	11,000,000	Construction	Resilience
Couquet Water Main*	1,437,950,000	78,000,000	99,000,000	134,000,000	134,000,000	130,000,000	695,000,000	Multiple	Growth
Douglas Road Main No. 2 (Flow Meter 188) Replacement	2,000,000	50,000	–	–	–	–	50,000	Construction	Maintenance
Douglas Road Main No. 2 (Vancouver Heights Section)	22,950,000	800,000	950,000	–	–	–	1,750,000	Construction	Maintenance
Douglas Road Main No. 2 Still Creek	18,550,000	100,000	750,000	–	–	–	850,000	Construction	Maintenance
Douglas Road Main Protection	1,150,000	200,000	50,000	50,000	50,000	50,000	400,000	Construction	Maintenance
Emergency Reservoir and Valve Refurbishments	10,000,000	1,000,000	5,000,000	8,800,000	5,000,000	5,000,000	24,800,000	Construction	Upgrade
Fortis Tibbury LNG Project Phase 2	200,000	50,000	50,000	50,000	–	–	150,000	Construction	Maintenance
Fort Quilham Water Main (Formerly Haney Main No. 4 (West Section))	10,050,000	1,500,000	3,050,000	21,900,000	39,450,000	51,050,000	116,950,000	Multiple	Growth
Improvements to Capilano Main No. 4 and 5	2,700,000	50,000	1,750,000	700,000	–	–	2,500,000	Construction	Maintenance
Kennedy Newton Main	181,650,000	2,850,000	3,000,000	2,000,000	–	–	7,850,000	Construction	Growth
Lulu Island - Delta Main - Sewer Protection Phase 2	200,000	150,000	500,000	2,800,000	–	–	3,450,000	Design	Maintenance

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CAPITAL PLAN DRIVERS

Driver	Outcome	2027-2031 Capital Plan (\$M)
Growth	Accommodate population and economic growth	\$1,590.8
Maintenance	Maintain assets in a state of good repair	\$1,135.4
Resilience	Minimize impacts resulting from seismic events and climate change	\$563.1
Upgrade and Opportunity	Enhance levels of service	\$141.9
Total		\$3,431.2



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WATER SERVICES

188 Projects in the Capital Plan

Driver	DRAFT 5 Year Capital Plan (2027-2031) (\$Million)	Key Projects
Growth	\$1,590.8	Coquitlam Water Main Coquitlam Lake Water Supply South Surrey Main No. 2
Maintenance	\$1,135.4	Stanley Park Water Supply Tunnel Burnaby Mountain Pump Station No. 2
Resilience	\$563.1	Seymour Main No. 5 III (North) Cambie-Richmond Water Supply Tunnel
Upgrade	\$131.3	SCFP Additional Pre-Treatment Emergency Reservoir and Valve refurbishments
Opportunity	\$10.6	Seymour Dam Hydropower Angus Drive Turbine
Total	\$3,431.2	

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WATER SERVICES

DRAFT 5 YEAR (2027 – 2031) CAPITAL PLAN EXPENDITURES

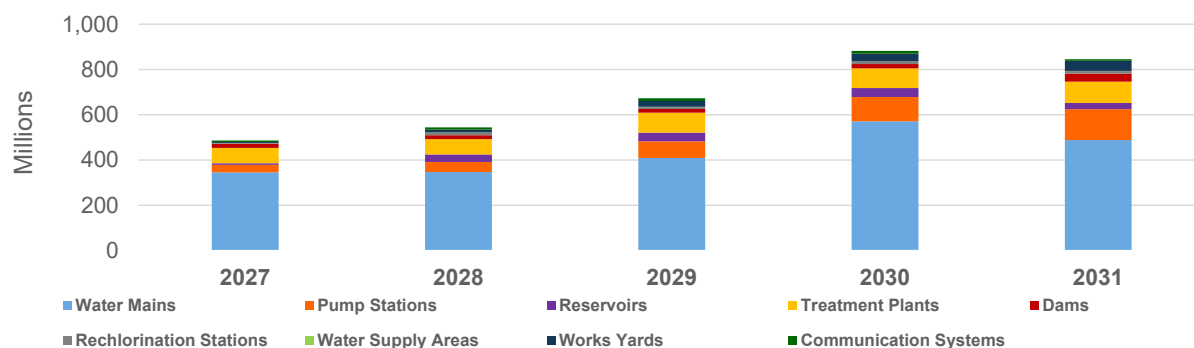
Overview:

- 2027 - 2031 Capital Plan: \$3.4B
- 2027 Estimated Capital Expenditure: \$486.1M
- 188 projects

Drivers:

- Capital project in progress carried forward
- Reviewed for deferrals and savings
- Project risks and scope provisions

2027 – 2031 Water Services Capital Plan



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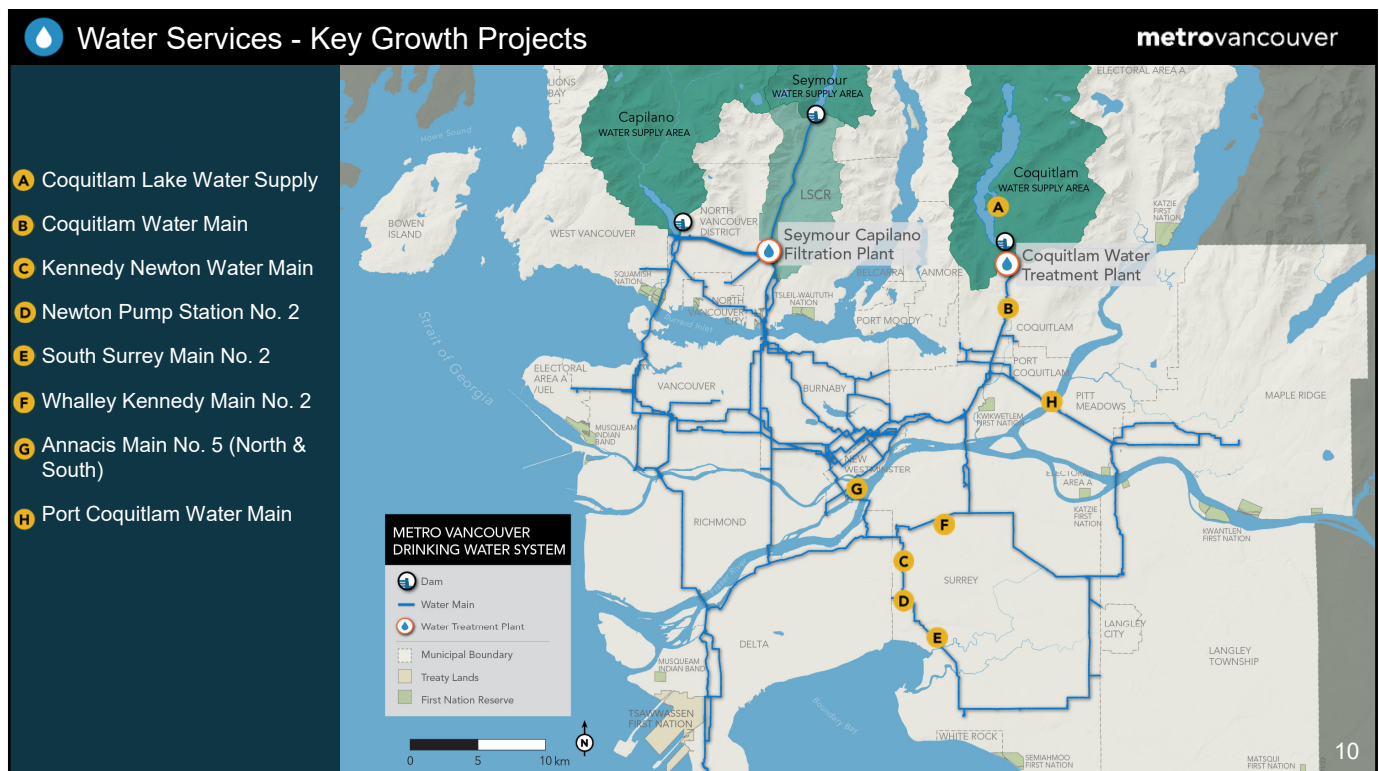
2027 CAPITAL EXPENDITURES

- The following 8 projects make up 67% of the proposed 2027 capital expenditures for all 188 projects
 - Coquitlam Water Main
 - Stanley Park Water Supply Tunnel
 - Coquitlam Lake Water Supply
 - Annacis Water Supply Tunnel
 - Annacis Main No. 5 (South)
 - Newton Pump Station No. 2
 - Central Park Main No. 2 (Patterson to 10th Ave)
 - Pitt River (Haney) Water Supply Tunnel

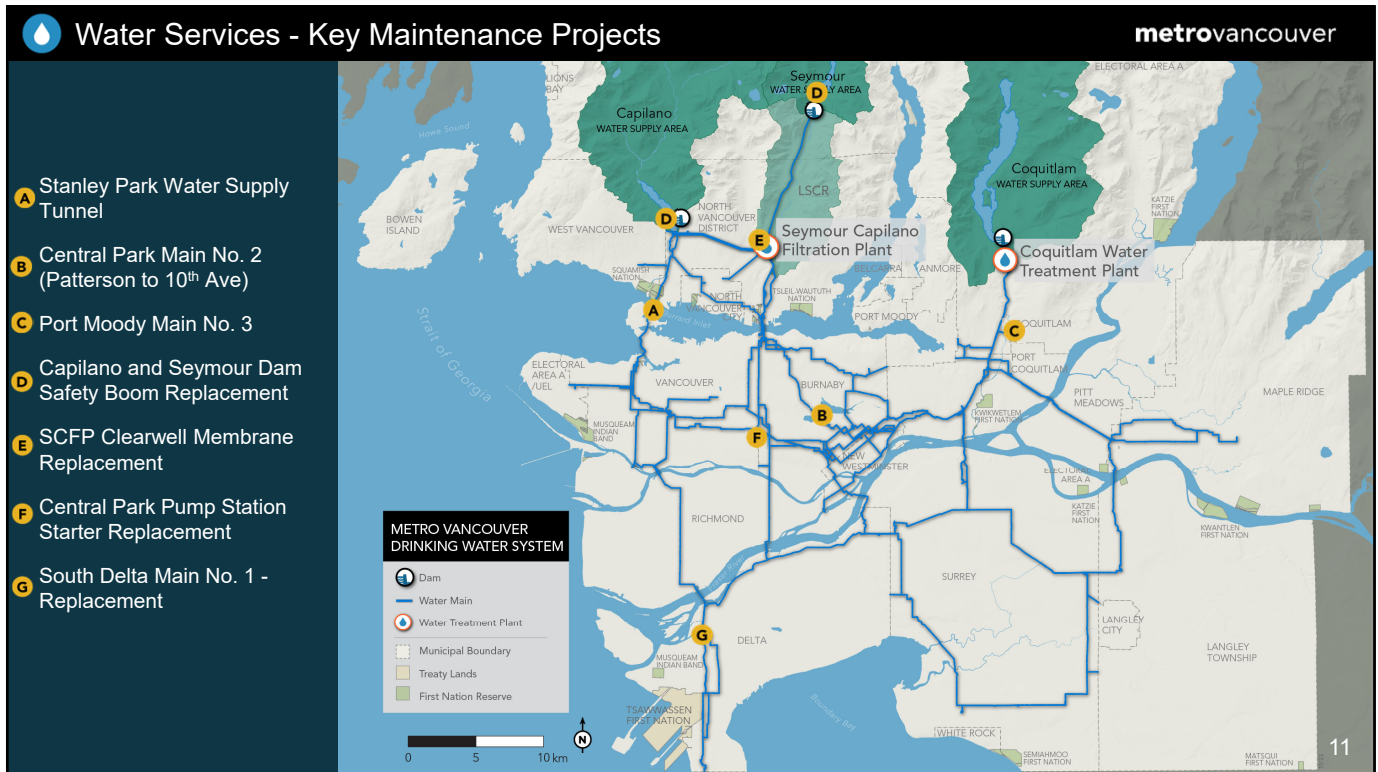
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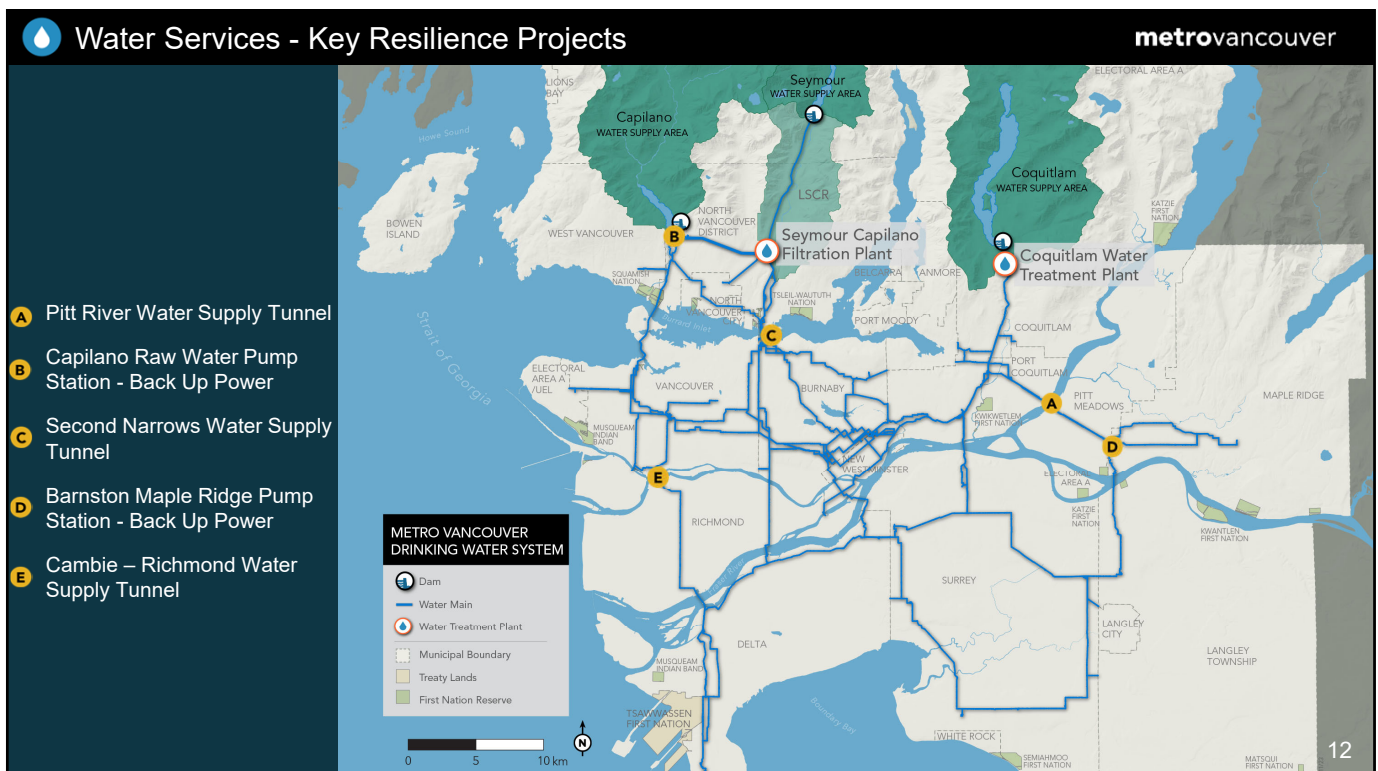
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EXAMPLES OF ONGOING PROJECTS



Second Narrows Water Supply Tunnel – North Valve Chamber



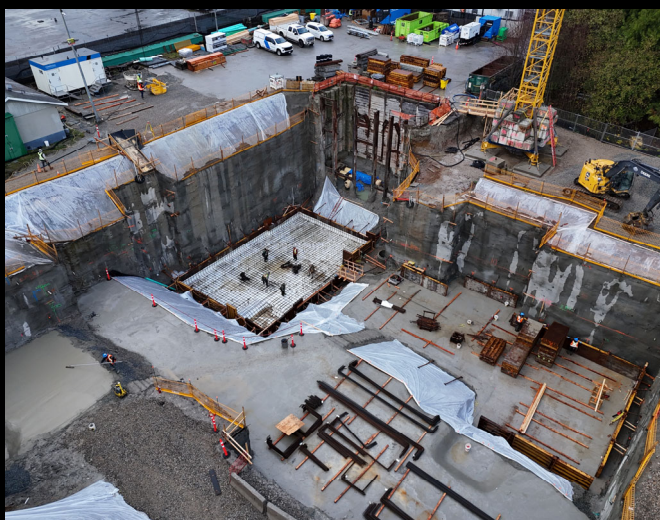
Annacis Water Supply Tunnel South Shaft

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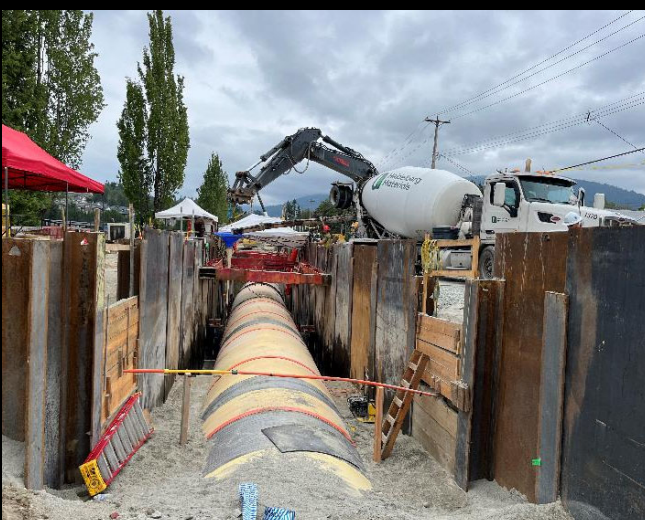
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EXAMPLES OF ONGOING PROJECTS



Newton Pump Station No. 2 – Site Preparation



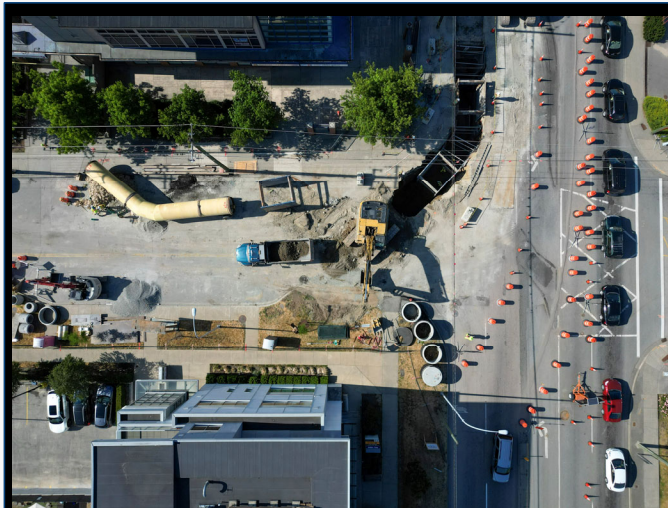
Coquitlam Water Main – Robson to Guildford Section

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EXAMPLES OF ONGOING PROJECTS



Kennedy Newton Water Main – Scott Road



Central Park Main – Imperial Street

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NEXT STEPS

1. Consider Committee comments on the 2027 – 2031 Capital Plan
2. Present revised 2027 – 2031 Capital Plan and 2027 Operating and Capital Budgets for Committee and Board consideration on:
 - October 14, 2026, to Water Committee
 - October 21, 2026, to the Board Budget Workshop
 - October 24, 2026, to Council of Councils
 - October 30, 2026, to the GVWD Board

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To: Water Committee

From: Matthew Dybwad, Division Manager, Water Services Engineering, Design & Construction
 Jennifer Crosby, Director, Project Delivery, Project Management Office

Date: June 29, 2026

Meeting Date: July 15, 2026

Subject: **2026 GVWD Capital Program Update No. 2**

RECOMMENDATION

THAT the GVWD Board receive for information the report dated June 29, 2026, titled "2026 GVWD Capital Program Update No. 2".

EXECUTIVE SUMMARY

This report provides a status update of the GVWD Capital Program with summaries for larger projects (i.e. cost of >\$100M), highlighting progress, schedule, budget, and upcoming milestones, and an overall summary of remaining projects. As part of the GVWD capital planning process, the timing of each project is reviewed and updated annually based on available resources, strategic prioritization, risk to system operations and financial sustainability. These updates are provided three times a year for the Water Committee and GVWD Board in February, July, and November to provide timely line of sight for the April Board Budget Workshop, input into the annual budget and five-year financial plan for October, and an end of year update. Individual project reports will continue to be provided as needed, particularly at key decision-making milestones.

PURPOSE

This report provides the Water Committee and GVWD Board with the second of three annual updates on the GVWD Capital Program.

BACKGROUND

Each year, the GVWD Board approves a budget for the upcoming year and endorses a five-year financial plan. Regular updates on the Capital Program provide the Committee and Board with information to support good governance of the organization, decision making, project management, and financial oversight. This report provides the second of three Capital Program updates to the Committee and Board. Two additional Major Project updates are provided to the Committee throughout the year, and three Financial Performance Updates are also provided to the Board through the Performance and Audit Committee.

Table 1: Capital Program Reporting

	J	F	M	A	M	J	J	A	S	O	N	D
Capital Program Update		✓					✓				✓	
Additional Major Project Updates					✓				✓			
Financial Performance Report				✓			✓				✓	

MAJOR WATER PROJECTS STATUS UPDATE

Updates on the GVWD Capital Program are as of June 2026. Progress, schedule and budget status for the active phase of the project are shown using a consistent scale (See Attachment 1). Updates on projects are provided for projects over \$100M. A summary of all other capital projects is also provided, and a financial update on all the projects in the capital program is included (**Attachment 2**).

Annacis Water Supply Tunnel – Project Delivery

The Annacis Water Supply Tunnel is a new crossing under the Fraser River that when combined with the Annacis Water Main North and Annacis Water Main South projects, will increase the water supply capacity to the communities south of the Fraser River. The new tunnel spans 2.3 kilometres from New Westminster to Surrey and is 4.5 metres in diameter. The project consists of a tunnel and deep vertical shafts on each side of the river which accommodates the installation of a 2.6 m diameter welded steel water main. Underground valve chambers are also being constructed adjacent to each shaft to regulate flow and facilitate the connection of the water main to the existing water transmission system. The project is driven by growth requirements and will also be seismically resilient and able to withstand a major earthquake.

Construction commenced in early 2022 and is approximately 75% complete. The shafts were completed in 2024, the tunnel excavation was completed in the summer of 2025, and the steel water main inside the tunnel was completed in early 2026. Current work includes construction of the valve chambers followed by installation of the water main inside the shafts. Construction is scheduled to be completed in late 2027 with the tunnel expected to be in-service by 2028. Additional information and project updates are available on the project [webpage](#) (Reference 1).

Annacis Water Supply Tunnel		Status
Progress	Construction (75% complete)	
Schedule	On schedule	
Budget	Tariffs on steel pipe were unexpected; additional cost is being managed within budget	
Next Milestone	Construction completion in late 2027 followed by commissioning in 2028. Stage Gate 4 (project close-out) in 2028.	

Annacis Water Main North (Annacis Main No. 5 – North)

The Annacis Water Main North is a new water main that will connect the north end of the Annacis Water Supply Tunnel in New Westminster to the existing transmission system in Burnaby. This project involves installing approximately 2.8 km of 1.8 m diameter welded steel water main and a cast-in-place concrete crossover valve chamber, flow meter chamber, and line valve chamber.

The project will be delivered in two phases. The design of the first phase, located in New Westminster, is complete and pre-works for construction commenced in May 2026 with full contractor mobilization planned for late-June 2026. The design of the second phase in Burnaby is nearing completion with construction planned for early-2027. The completion of the overall project is aligned with the Annacis

Water Supply Tunnel. Additional information and project updates are available on the project [webpage](#) (Reference 2).

Annacis Water Main North		Status
Progress	Construction (0% complete); Construction commencing in Q2 2026	
Schedule	On Schedule	
Budget	Tariffs on steel pipe were unexpected; additional cost is being managed within budget	
Next Milestone	Award construction installation contract for Burnaby section	

Annacis Water Main South (Annacis Main No. 5 – South)

The Annacis Water Main South is a new water main that will connect the south end of the Annacis Water Supply Tunnel to the existing Kennedy Reservoir in Surrey. This project involves installing approximately 3 km of 1.8 m diameter welded steel water main, cast in place underground valve chambers and flow meter chambers.

The project is being delivered in three phases with the design of all three phases complete. Construction of the first phase, a pre-built section along 96 Avenue was completed in 2022. The second phase between the Annacis Water Supply Tunnel and 96 Avenue is approximately 60% complete. The construction contract for the final phase has been awarded with construction starting in June 2026. The completion of the overall project is aligned with the Annacis Water Supply Tunnel project. Additional information and project updates are available on the project [webpage](#) (Reference 3).

Annacis Water Main South		Status
Progress	Construction (35% complete)	
Schedule	On schedule	
Budget	Tariffs on steel pipe were unexpected; additional cost is being managed within budget	
Next Milestone	Complete construction of Phase 2	

Burnaby Mountain Pump Station (Burnaby Mountain Pump Station No. 2)

The Burnaby Mountain Pump Station will replace the existing Burnaby Mountain Pump Station No. 1 to increase the water supply capacity to the Cities of Burnaby, Coquitlam, and Port Moody. Included within the project are a new inlet and outlet for the existing Burnaby Mountain Reservoir and a backup power supply system. The project is in the preliminary design phase, which is expected to be completed in

2027. The detailed design phase is planned for completion in 2029 and the tentative timeline for construction is 2029 to 2033.

Burnaby Mountain Pump Station		Status
Progress	Preliminary Design (10%)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Completion of site assessments and preliminary design	

Cambie-Richmond Water Supply Tunnel – Project Delivery

The Cambie-Richmond Water Supply Tunnel is a 1.1 km long, 4.5 m diameter crossing under the Fraser River from Vancouver to Richmond. The project consists of a tunnel and deep vertical shafts located on each side of the river to facilitate the installation of two 1.5 m diameter welded steel water mains. Each shaft site will also include the construction of underground valve chambers to facilitate water control functions. This is a resilience driven project that will ensure the delivery of high-quality drinking water following a major earthquake and will also meet future growth requirements.

The project definition phase was completed in 2022. This was followed by acquisition of property in Vancouver and Richmond to facilitate construction of long-term land tenure for the shafts and valve chambers. The preliminary design phase commenced in 2024 and is in progress. This will be followed by the detailed design phase and construction which is planned to commence by 2030. Additional information and project updates are available on the project [webpage](#) (Reference 4).

Cambie-Richmond Water Supply Tunnel		Status
Progress	Preliminary Design (30% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Completion of preliminary design in late 2026 or early 2027. Stage Gate 2 will occur in early 2027 to seek approval to proceed to the next detailed design phase.	

Cape Horn Pump Station (Cape Horn Pump Station No. 3)

Cape Horn Pump Station will replace the existing Cape Horn Pump Station No. 1, which has reached the end of its service life. The new pump station is being designed to increase the water supply capacity to the Cities of Coquitlam, Delta, Langley, and Surrey. Included within the project are a new inlet and outlet for the existing Cape Horn Reservoir, new backup power for Cape Horn Pump Stations 2 and 3, and the connections of the Coquitlam Water Main to the water transmission system in the Cape Horn area. The detailed design of the new pump station is currently 60% complete and is expected to be completed in 2028. The timeline for construction is under review and is being coordinated with the schedule for the Coquitlam Water Main – Cape Horn Section. Project completion is anticipated in 2045.

The design continues to be reviewed to accommodate updated water demands from the latest population projections. The project team is studying how the system would react to sudden changes, like an unexpected power outage and reviewing water transmission system interconnectivity to ensure that the new pump station can supply water in several directions to support overall system resiliency.

Cape Horn Pump Station		Status
Progress	Detailed Design (60% complete) - Additional effort is required to accommodate updated design flows, prevent pressure surges, and provide improved system interconnectivity.	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Completion of 90% detailed design	

Central Park Water Main (Central Park Main No. 2 – Patterson to 10th Ave.)

The Central Park Water Main is a new water main that will replace the existing Central Park Main No. 1 that has served the region for nearly 100 years. The new water main is located in Burnaby and will increase the water supply capacity to the Cities of Burnaby and New Westminster. The project involves installing approximately 7 km of 1.2 m diameter welded steel water main, cast-in-place underground valves chambers, and flow meter chambers.

The project is being delivered in multiple phases. The first two phases of the project are already installed and in service. The current phase of the project, along Imperial Street, is approximately 90% complete. The final phase of the project is expected to be tendered in winter 2026 with completion of construction anticipated in 2029. Additional information and project updates are available on the project [webpage](#) (Reference 5).

Central Park Water Main		Status
Progress	Construction (90% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Completion of active construction phase/award construction installation contract for final phase of Burnaby section	

Coquitlam Lake Water Supply – Project Delivery

The regional population is projected to reach 4.1 million by the year 2050 and work is underway to expand access to GVWD's largest water source, Coquitlam Lake, through the Coquitlam Lake Water Supply Project. This project will double the capacity to access water from the Coquitlam source to meet the region's future drinking water needs and prepare for effects of climate change including unpredictable droughts and less snowpack.

The project consists of a new 8.5 km by 5 m diameter water supply intake and tunnel, and water filtration treatment plant. The project is currently in the preliminary design phase, focusing on permitting and regulatory activities. Key permit applications are being submitted to the Province. Procurement for design consultants for the intake, tunnel, and filtration treatment plant are underway. A treatment pilot test plant has been constructed and is anticipated to be operational by the end of June 2026. Staff are engaging kʷikʷəłəm (Kwikwetlem First Nation) through a co-developed and co-led collaborative impact assessment in preparation for the key permit applications. Engagement with kʷikʷəłəm has taken longer than expected to complete. This has resulted in a delay in the submittal of key permitting and regulatory applications to the Province, and the start of preliminary design. These delays are being managed within the overall project schedule. The project schedule and cost estimate will be updated during preliminary design to reflect additional design work and current market conditions. It is anticipated that the updated schedule and cost estimate will be ready by the middle of 2027. Project completion is required by the late 2030s to meet future drinking water demands. Additional information and project updates are available on the project [webpage](#) (Reference 6).

Coquitlam Lake Water Supply		Status
Progress	Preliminary Design (5% complete)	
Schedule	On schedule for overall program; regulatory/permitting process has been protracted and is being managed within the overall schedule	
Budget	On budget	
Next Milestone	Stage Gate 2 – Approval to proceed to Design Phase	

Coquitlam Water Main (Coquitlam Main No. 4) – Project Delivery

Metro Vancouver is constructing the new Coquitlam Water Main as part of the overall strategy to increase the capacity of the Coquitlam system. The Coquitlam Water Main is a key regional transmission main that will expand the capacity of the Coquitlam source for the next 50 years to reliably meet current and future demands for drinking water, particularly for member jurisdictions south of the Fraser River and to the east of the City of Coquitlam. The new water main is approximately 12 km long, spanning from the north end of Pipeline Road to Mariner Way at Riverview Crescent, in the City of Coquitlam. The diameter of the new steel water main ranges from 2.2 to 3.5 m. This is the largest water main Metro Vancouver has constructed.

Construction of the water main is divided into four sections, namely, the Pipeline Road North Section, Robson to Guildford Section, City Centre Tunnel Section, and Cape Horn Section. Construction of the Robson to Guildford Pre-Build Section is ongoing and to date 1.24 km out of 1.4 km of pipe has been installed. Several construction issues have been identified but they are forecasted to be managed within the approved budget and overall project schedule. Detailed design is wrapping up for the remaining sections, and the next step is a Stage Gate 3 approval to proceed to the construction phase. Project completion is required by the mid-2030s to meet future drinking water demands. Additional information and project updates are available on the project [webpage](#) (Reference 7).

Coquitlam Water Main		Status
Progress	Detailed Design (95% complete) and Construction – Robson to Guildford Section Pre-build (95% complete)	
Schedule	On schedule for overall project; anticipated schedule slippage on Robson to Guildford Pre-Build Section is being managed within overall project schedule	
Budget	On budget; remission for steel pipe tariffs submitted; third party utility relocations and geotechnical challenges on Guildford Pre-Build Section being reviewed	
Next Milestone	Stage Gate 3 – Approval to proceed to Construction Phase	

Port Coquitlam Water Main (Haney Main No. 4 - West Section)

The Port Coquitlam Water Main is a new water main that, along with the Pitt River (Haney) Water Supply Tunnel, will increase the water supply capacity and transmission system resiliency to the Cities of Port Coquitlam, Pitt Meadows and Maple Ridge. The project consists of the installation of approximately 7 km of 1.5 m diameter welded steel water main between the intersection of Ozada Avenue and Pipeline Road in Coquitlam to the future Pitt River Water Supply Tunnel located west of the Pitt River in Port Coquitlam. The project also includes a trenchless crossing of the Coquitlam River, large underground valve chambers and potentially a trenchless installation under Lougheed Highway.

The project is being delivered in multiple phases. The detailed design of the 1 km Ozada Avenue section in Coquitlam is underway with construction anticipated to commence in 2028 and an options analysis is underway for the Coquitlam River Tunnel Section. The route selection of the Port Coquitlam section is nearing completion, which will be followed by detailed design which is planned to commence in 2027.

Port Coquitlam Water Main		Status
Progress	Preliminary Design - (50% complete for Port Coquitlam Section) Detailed Design– (5% complete for Coquitlam Section)	
Schedule	Alternative route options are under evaluation within Port Coquitlam; being managed within overall project schedule	
Budget	On budget	
Next Milestone	Port Coquitlam route alignment approval and completion of 30% detailed design of Coquitlam section.	

Hellings Reservoir (Hellings Tank No. 2)

The Hellings Reservoir is required to provide additional in-system water storage to increase the water supply capacity to North Delta. This project consists of a new water storage tank and control chamber adjacent to the existing Hellings Tank, located in the City of Delta. The project is in the initiation phase to confirm the required storage volume and property requirements.

Hellings Reservoir		Status
Progress	Initiation (25% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Confirmation of storage volume and property requirements	

Kennedy Newton Water Main (Kennedy Newton Main)

The Kennedy Newton Water Main is a new water main that will increase the water supply capacity between the Kennedy Reservoir and the Newton Reservoir in the City of Surrey. The project consists of approximately 7.6 km of 1.8 m diameter welded steel water main, cast in place underground valve chambers and flow meter chambers.

The project is being delivered in three separate phases. The first two phases are complete, and the final phase is approximately 95% complete with completion expected at the end of 2026. Commissioning of the water main is expected to commence in 2027. Additional information and project updates are available on the project [webpage](#) (Reference 8).

Kennedy Newton Water Main		Status
Progress	Construction (95% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Construction completion at the end of 2026; Commissioning 2027	

Lulu Delta Water Supply Tunnel – Project Delivery

The Lulu Delta Water Supply Tunnel is an up to 2 km long marine crossing deep under the Fraser River between Richmond and Delta, near the George Massey Tunnel. The new tunnel is a maintenance driven project and will replace the existing Lulu Delta crossing which is nearing the end of its service life. The project will provide additional redundancy and ensure the reliable delivery of high-quality drinking water to Delta and Tsawwassen First Nation following a major earthquake. The project consists of a new welded steel water main crossing constructed using a trenchless method.

The project definition phase commenced last year and is scheduled to be completed in 2027. Following this phase of work, the required property for the tunnel shaft sites will be acquired. The subsequent design and construction phases are being deferred by several years for financial sustainability reasons. Design is anticipated to commence in approximately 2040.

Lulu Delta Water Supply Tunnel		Status
Progress	Definition (30% complete)	
Schedule	The start of the project definition phase was delayed due to stakeholder engagement which has pushed the end date out by about four months. Future design and construction phases deferred by several years for financial sustainability reasons.	
Budget	On budget	
Next Milestone	The completion of the project definition phase in 2027 followed by property acquisition. The project will then be deferred with design commencing in approximately 2040.	

Pitt River (Haney) Water Supply Tunnel – Project Delivery

The Pitt River (Haney) Water Supply Tunnel is a 1 km long tunnel crossing of the Pitt River between Port Coquitlam and Pitt Meadows. The new tunnel will replace the existing Haney Mains No. 2 and No. 3, which are vulnerable to damage during an earthquake. The project will ensure the reliable delivery of high-quality drinking water following a major earthquake and meet growth requirements in Pitt Meadows and Maple Ridge. The project consists of vertical shafts on each side of the Pitt River and a deep tunnel which will facilitate the installation of a welded steel water main. Valve chambers will also be constructed to facilitate water control functions.

The project definition phase was completed in late 2024. Property acquisition at the shaft sites is ongoing and is anticipated to be completed later this year or early next year. The subsequent design and construction phases are being deferred by several years for financial sustainability reasons. Design is anticipated to commence in approximately 2040.

Pitt River (Haney) Water Supply Tunnel		Status
Progress	Definition (100% complete) – Currently securing property rights for future construction	
Schedule	On schedule. Future design and construction phases deferred by several years for financial sustainability reasons.	
Budget	On budget	
Next Milestone	The completion of property acquisition by late 2026 or early 2027. The project will then be deferred with design commencing in approximately 2040.	

Rechlorination Station Upgrades

Metro Vancouver owns and operates eight rechlorination stations across the region, which are required to maintain water quality throughout the transmission system. These stations were originally

constructed between 1997 and 1998. The Rechlorination Station Upgrade Project (project) includes design and construction of station rehabilitation and replacement facilities to renew service life.

The current phase of work focuses on upgrading the Cape Horn, Pitt River, and Clayton rechlorination stations. Detailed design and tendering are targeted for completion by the end of 2026. A subsequent phase of the project, planned between 2030 through 2050, will serve as Metro Vancouver's long-term program to renew, replace, and relocate rechlorination facilities to accommodate major upcoming water infrastructure, such as new transmission mains, and to ensure the continued reliability of rechlorination station assets.

Rechlorination Station Upgrades		Status
Progress	Detailed Design (70% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Complete detailed design of the first three stations	

Seymour Capilano Filtration Plant Additional Pre-Treatment (SCFP Additional Pre-Treatment)

The Seymour Capilano Filtration Plant (SCFP) supplies drinking water from both the Seymour and Capilano sources and is the largest direct filtration facility in Canada. A significant turbidity event in 2017, driven by a large mudslide in the Seymour watershed, resulted in source water turbidity reaching extremely high turbidity levels and highlighted operational challenges at the plant. Subsequent treatability assessment work confirmed that natural watershed disturbances remain the most substantial long-term risk to source water quality, affecting treatment performance and finished water quality. The project team is confirming the project requirements and scope in collaboration with key stakeholders. The project is moving into preliminary design in late 2026.

Seymour Capilano Filtration Plant Additional Pre-Treatment		Status
Progress	Preliminary Design (0% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Award contract for preliminary design	

Second Narrows Water Supply Tunnel – Project Delivery

The Second Narrows Water Supply Tunnel is a 1.1 km long, 6.5 m diameter tunnel crossing the Burrard Inlet from North Vancouver to Burnaby. The project includes the installation of three welded steel water mains inside the tunnel that will replace the three existing mains, which were constructed at shallow depths at the bottom of Burrard Inlet between the 1940s and the 1970s. The existing mains are near the end of service life and do not meet seismic standards. The project includes two deep vertical shafts constructed on each side of the inlet, a deep tunnel under the inlet, and large valve chambers to regulate water flow through the transmission system. The project will ensure the continued reliable delivery of high-quality drinking water to the Cities of Vancouver, Burnaby, New Westminster, and Surrey.

Construction of this project commenced in 2019 and reached substantial completion in the summer of 2025. The first of three water mains was tied into the system in the fall of 2025 with the remaining two mains planned to be tied into the system during the low demand period over the next 2 years, with the full system in-service by 2028. Additional information and project updates are available on the project [webpage](#) (Reference 9).

Second Narrows Water Supply Tunnel		Status
Progress	Construction (98% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Stage Gate 4 (project close out) in 2028 following completion of final tie-in	

Seymour Valley Water Main (Seymour Main No. 5 III – (North))

Seymour Valley Water Main is a new seismically resilient welded steel water main which will replace the existing Seymour Main No. 2 between the Seymour Falls Dam and the Seymour Capilano Filtration Plant. The new water main will be constructed in several phases starting in 2028 to the late-2040's and will systematically replace vulnerable sections of the existing main.

Seymour Valley Water Main		Status
Progress	Detailed Design (75% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Complete 100% detailed design drawing package for one open-cut section and complete Seymour watershed aggregate study.	

South Surrey Water Main (South Surrey Main No. 2)

The South Surrey Water Main is a 12 km, 1m diameter welded steel water main that will replace the existing South Surrey Main No. 1. The new water main is located in Surrey and will increase the water supply capacity to the area.

The project is divided into three separate phases, with route selection for all three phases complete. Detailed design of the first phase of the project has commenced with completion anticipated in 2028.

South Surrey Water Main		Status
Progress	Detailed Design (30% complete of Phase 1)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Complete detailed design for Phase 1	

Stanley Park Water Supply Tunnel – Project Delivery

The Stanley Park Water Supply Tunnel is required to replace an existing water main which was constructed at shallow depths through Stanley Park in the early 1930s. The existing water main has experienced leaks and has reached the end of its service life. The project involves the construction of a new water main inside a deep underground tunnel which is designed to increase water supply capacity and to meet Metro Vancouver's seismic design standards.

The new tunnel will be 1.4 km long, approximately 4.5 m in diameter and will include a 2.6 m diameter welded steel water main which will be connected into the existing water transmission system through new underground valve chambers. Construction commenced in late 2024 and is scheduled to be complete by 2029. Additional information and project updates are available on the project [webpage](#) (Reference 10).

Stanley Park Water Supply Tunnel		Status
Progress	Construction (25% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Tunnel excavation to commence in late 2026. Final completion and in-service by 2029. Stage Gate 4 (close-out) in 2030.	

Whalley Kennedy Water Main (Whalley Kennedy Main No. 2)

The Whalley Kennedy Water Main is a 6.5 km, 1.5 m diameter welded steel water main that will twin the existing Whalley-Kennedy Link Main to increase water supply capacity to the area. The project is located in Surrey and is currently in the project definition phase to determine the best route alignment for the new main. The timing for the design and construction phases is under review.

Whalley Kennedy Water Main		Status
Progress	Definition (90% complete)	
Schedule	On schedule	
Budget	On budget	
Next Milestone	Complete conceptual design	

Remaining Projects

The GVWD Capital Program includes an additional 166 individual projects or programs of work with estimated costs of \$2.3B. These projects are in various phases from not yet started to complete. Financial performance indicators of these projects are provided in **Attachment 1**. These projects all proceed through stage gates and formal approvals and adhere to appropriate project controls suitable for the scale and complexity of the work.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

As part of the annual GVWD capital planning process, beginning with the April Board Budget Workshop, the timing of each project is reviewed and updated based on alignment with strategic priorities, risk to system operations, financial sustainability, and available resources. The GVWD Capital Program as a whole is progressing within plan parameters. Each project is subject to its own cost review on a regular basis, as well as regular stage gate approvals. Project specific reports will be provided to the Committee and Board as warranted to provide greater detail and address any required changes to project scope, schedule, or budget.

CONCLUSION

This report provides a status update of the GVWD Capital Program with summaries for larger projects (i.e. cost of >\$100M), highlighting progress, schedule, budget, and upcoming milestones, and an overall summary of remaining projects. These updates are provided three times a year for the Water Committee and GVWD Board in February, July, and November to provide timely line of sight for the April Board Budget Workshop, input into the annual budget and five-year financial plan for October, and an end of year update. Individual project reports will continue to be provided as needed, particularly at key decision-making milestones.

ATTACHMENTS

1. Status of Projects with Total Estimated Costs >\$100M.
2. GVWD Capital Projects Financial Reporting.
3. Presentation re: GVWD Capital Program Update.

REFERENCES

1. Metro Vancouver, Annacis Water Supply Tunnel. metrovanancouver.org/services/water/annacis-water-supply-tunnel
2. Metro Vancouver, Annacis Water Main North. metrovanancouver.org/services/water/annacis-water-main-north
3. Metro Vancouver, Annacis Water Main South. metrovanancouver.org/services/water/annacis-water-main-south
4. Metro Vancouver, Cambie-Richmond Water Supply Tunnel. metrovanancouver.org/services/water/cambie-richmond-water-supply-tunnel
5. Metro Vancouver, Central Park Water Main. metrovanancouver.org/services/water/central-park-water-main
6. Metro Vancouver, Coquitlam Lake Water Supply Project. metrovanancouver.org/services/water/coquitlam-lake-water-supply-project
7. Metro Vancouver, Coquitlam Water Main. metrovanancouver.org/services/water/coquitlam-water-main
8. Metro Vancouver, Kennedy Newton Water Main. metrovanancouver.org/services/water/kennedy-newton-water-main
9. Metro Vancouver, Second Narrows Supply Tunnel. metrovanancouver.org/services/water/second-narrows-water-supply-tunnel
10. Metro Vancouver, Stanley Park Water Supply Tunnel. metrovanancouver.org/services/water/stanley-park-water-supply-tunnel

Status of Projects with Total Estimated Costs >\$100M

Project	Progress	Schedule	Budget
Annacis Water Supply Tunnel*	●	●	●
Annacis Water Main North	●	●	●
Annacis Water Main South (Annacis Main No 5. – South)	●	●	●
Burnaby Mountain Pump Station	●	●	●
Cambie-Richmond Water Supply Tunnel*	●	●	●
Cape Horn Pump Station	●	●	●
Central Park Water Main	●	●	●
Coquitlam Lake Water Supply*	●	●	●
Coquitlam Water Main (Coquitlam Main No. 4) *	●	●	●
Port Coquitlam Water Main (Haney Main No. 4 – West Section)	●	●	●
Hellings Reservoir	●	●	●
Kennedy Newton Water Main	●	●	●
Lulu Delta Water Supply Tunnel*	●	●	●
Pitt River (Haney) Water Supply Tunnel*	●	●	●
Rechlorination Station Upgrades	●	●	●
Seymour Capilano Filtration Plant Additional Pre-Treatment	●	●	●
Second Narrows Water Supply Tunnel*	●	●	●
Seymour Valley Water Main	●	●	●
South Surrey Water Main	●	●	●
Stanley Park Water Supply Tunnel*	●	●	●
Whalley Kennedy Water Main	●	●	●

* Projects managed by Project Delivery Department.

Legend

- On Track (schedule, budget).
- Issues that are being monitored, but managed within budget.
- Issues that may need to be escalated to Committees, Boards for decision.

Capital Expenditures as of May 31, 2026
GVWD

Name	Driver	Active Phase	Timeline (Start Yr. - End Yr.)	Project Estimate	Total Actuals to Date (May 31)	2026 - 2030 Planned Expenditures	2026 Planned Annual Expenditures (in Budget)	2026 Updated Forecasted Expenditures	2026 Actuals (Jan. 1 - May 31)	2026 Actual Expenditures to Forecasted Expenditures (%)	2026 Actual Expenditures Variance to Forecasted Expenditures (\$)	2026 Actual Expenditures to Planned Expenditures (%)
Coquitlam Lake Water Supply	Growth	Design	2016 - 2045	4,438,350,000	53,137,921	141,560,000	20,460,000	17,515,594	10,073,279	58%	(7,442,315)	49%
Coquitlam Water Main	Growth	Multiple	2016 - 2040	1,976,816,000	216,325,222	638,487,000	82,187,000	53,633,175	11,055,404	21%	(42,577,771)	13%
Seymour Main No. 5 III (North)	Resilience	Design	2014 - 2040	750,600,000	8,321,715	69,900,000	2,000,000	2,467,365	175,167	7%	(2,292,198)	9%
Lulu-Delta Water Supply Tunnel	Maintenance	Design	2025 - 2052	651,000,000	1,025,715	54,679,000	1,300,000	1,715,641	120,356	7%	(1,595,285)	9%
Cambie-Richmond Water Supply Tunnel	Resilience	Design	2021 - 2036	647,800,000	44,553,956	46,674,000	3,200,000	3,200,000	1,318,691	41%	(1,881,309)	41%
Pitt River (Haney) Water Supply Tunnel	Resilience	Design	2023 - 2050	640,800,000	2,850,820	22,696,000	5,696,000	5,696,000	73,900	1%	(5,622,100)	1%
Stanley Park Water Supply Tunnel	Maintenance	Construction	2017 - 2029	495,000,000	164,104,569	380,114,000	92,722,000	92,722,000	45,259,632	49%	(47,462,368)	49%
Cape Horn Pump Station No. 3	Growth	Design	2018 - 2045	485,950,000	9,071,818	44,100,000	2,700,000	1,804,360	105,136	6%	(1,699,224)	4%
Annacis Water Supply Tunnel	Growth	Construction	2016 - 2028	482,100,000	358,146,652	165,662,000	60,000,000	60,000,000	21,114,935	35%	(38,885,065)	35%
Second Narrows Water Supply Tunnel	Resilience	Construction	2015 - 2028	468,550,000	430,413,652	45,484,000	5,000,000	5,000,000	2,371,224	47%	(2,628,776)	47%
South Surrey Main No. 2	Growth	Design	2019 - 2039	370,500,000	3,764,666	88,000,000	1,700,000	1,898,000	1,525,029	80%	(372,971)	90%
Haney Main No. 4 (West Section)	Growth	Multiple	2017 - 2035	181,800,000	1,245,877	59,400,000	1,300,000	800,000	181,213	23%	(618,787)	14%
Kennedy Newton Main	Growth	Construction	2017 - 2029	179,600,000	160,430,586	16,750,000	7,250,000	15,190,000	1,759,862	12%	(13,430,138)	24%
SCFP Additional Pre-Treatment	Upgrade	Design	2026 - 2034	166,000,000	-	35,000,000	1,000,000	100,000	-	0%	(100,000)	0%
Rechlorination Station Upgrades	Maintenance	Construction	2020 - 2050	149,950,000	3,006,349	26,250,000	3,000,000	1,150,735	184,835	16%	(965,899)	6%
Central Park Main No. 2 (Patterson to 10th Ave)	Maintenance	Construction	2018 - 2028	140,850,000	87,122,104	60,200,000	16,200,000	16,205,000	7,071,049	44%	(9,133,951)	44%
Whalley Kennedy Main No. 2	Growth	Design	2023 - 2033	119,800,000	628,670	1,950,000	500,000	100,000	35,466	35%	(64,534)	7%
Annacis Main No. 5 (North)	Growth	Construction	2014 - 2031	115,100,000	8,817,077	85,100,000	15,100,000	14,150,000	(1,246,214)	-9%	(15,396,214)	-8%
Hellings Tank No. 2	Growth	Not Started	2027 - 2035	112,000,000	-	10,000,000	-	-	-	0%	-	0%
Annacis Main No. 5 (South)	Growth	Construction	2017 - 2031	103,550,000	36,770,491	61,050,000	20,050,000	20,110,000	11,984,893	60%	(8,125,107)	60%
Burnaby Mountain Pump Station No. 2	Maintenance	Design	2024 - 2033	102,700,000	732,768	52,950,000	1,450,000	1,275,000	106,442	8%	(1,168,558)	7%
Total > \$100M						2,106,006,000	342,815,000	314,732,869	113,270,298	36%	(201,462,571)	33%
South Fraser Works Yard	Maintenance	Design	2021 - 2030	98,000,000	53,578,194	44,000,000	1,000,000	1,000,000	147,854	15%	(852,146)	15%
Emergency Reservoir and Valve refurbishments	Upgrade	Construction	2026 - 2030	95,000,000	-	20,000,000	2,500,000	200,000	-	0%	(200,000)	0%
Newton Pump Station No. 2	Growth	Construction	2017 - 2030	90,050,000	33,693,358	60,450,000	18,150,000	21,043,574	5,020,601	24%	(16,022,973)	28%
Little Mountain Pump Station No. 2	Maintenance	Not Started	2030 - 2038	82,000,000	-	2,000,000	-	-	-	0%	-	0%
Capilano Raw Water Pump Station - Back-up Power	Resilience	Construction	2016 - 2027	81,000,000	70,901,307	9,250,000	8,000,000	5,600,000	1,493,884	27%	(4,106,116)	19%
Beach Yard Facility - Site Redevelopment	Maintenance	Design	2026 - 2032	80,500,000	28,440	45,500,000	300,000	300,000	28,440	9%	(271,560)	9%
Port Mann Main No. 2 (South)	Growth	Multiple	2017 - 2031	73,950,000	33,319,599	33,500,000	50,000	100,000	24,171	24%	(75,829)	48%
Burnaby Mountain Tank No. 2 and No. 3	Resilience	Design	2021 - 2031	73,350,000	1,274,970	59,000,000	550,000	1,000,000	358,462	36%	(641,538)	65%
Port Moody Main No. 3 Scott Creek Section	Maintenance	Construction	2018 - 2030	63,500,000	8,020,458	60,100,000	13,200,000	13,000,000	2,918,860	22%	(10,081,140)	22%
Coquitlam Intake Tower Seismic Upgrade	Resilience	Design	2015 - 2034	61,200,000	2,105,642	2,500,000	-	-	-	0%	-	0%
Fleetwood Reservoir	Growth	Construction	2014 - 2027	61,150,000	58,741,668	2,850,000	1,500,000	1,000,000	417,603	42%	(582,397)	28%
Douglas Road Main No. 2 Still Creek	Maintenance	Construction	2014 - 2028	58,550,000	57,567,784	3,350,000	100,000	222,000	76,512	34%	(145,488)	77%
Kersland Pump Station No. 2	Maintenance	Not Started	2030 - 2040	58,000,000	-	2,000,000	-	-	-	0%	-	0%
Westburnco Pump Station - Back-up Power	Resilience	Design	2016 - 2030	55,350,000	2,008,584	53,350,000	1,500,000	706,327	155,966	22%	(550,361)	10%
37th Avenue Main No. 2 (Rupert Street to Little Mountain Reservoir)	Maintenance	Design	2015 - 2030	48,950,000	52,743	1,150,000	-	-	-	0%	-	0%
Grandview Reservoir Unit No. 2	Growth	Not Started	2027 - 2045	48,500,000	-	1,000,000	-	-	-	0%	-	0%
Barnston/Maple Ridge Pump Station - Back-up Power	Resilience	Construction	2016 - 2032	44,600,000	243,216	30,300,000	750,000	200,000	3,060	2%	(196,940)	0%
Water Optimization - Instrumentation	Upgrade	Multiple	2015 - 2035	44,050,000	11,960,960	17,200,000	2,500,000	1,330,000	272,410	20%	(1,057,590)	11%
Jericho Reservoir No. 1	Growth	Complete	2014 - 2025	40,000,000	39,955,147	-	-	9,495	9,495	100%	-	0%
Water Meter Upgrades	Upgrade	Construction	2015 - 2034	38,400,000	18,971,570	9,950,000	850,000	1,300,000	626,759	48%	(673,241)	74%
Central Park Main No. 2 (10th Ave to Westburnco)	Maintenance	Design	2024 - 2028	35,250,000	6,312,945	29,050,000	12,250,000	986,405	252,892	26%	(733,513)	2%
Whalley Main	Growth	Construction	2018 - 2027	31,800,000	30,828,459	450,000	50,000	235,000	-	0%	(235,000)	0%
Angus Drive Main	Growth	Construction	2017 - 2027	30,700,000	29,697,341	600,000	100,000	450,000	1,719	0%	(448,281)	2%

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Name	Driver	Active Phase	Timeline (Start Yr. - End Yr.)	Project Estimate	Total Actuals to Date (May 31)	2026 - 2030 Planned Expenditures	2026 Planned Annual Expenditures (in Budget)	2026 Updated Forecasted Expenditures	2026 Actuals (Jan. 1 - May 31)	2026 Actual Expenditures to Forecasted Expenditures (%)	2026 Actual Expenditures Variance to Forecasted Expenditures (\$)	2026 Actual Expenditures to Planned Expenditures (%)
Lynn Valley Road Main No. 2	Maintenance	Not started	2027 - 2034	29,650,000	42,819	2,400,000	-	75,000	-	0%	(75,000)	0%
Newton Reservoir Connection	Growth	Design	2026 - 2032	28,050,000	96,100	15,250,000	400,000	400,000	79,448	20%	(320,552)	20%
Second Narrows Crossing 1 & 2 (Burrard Inlet Crossing Removal)	Maintenance	Design	2025 - 2031	27,000,000	22	16,600,000	500,000	500,000	-	0%	(500,000)	0%
SCFP Clearwell Membrane Replacement	Maintenance	Construction	2023 - 2030	25,800,000	358,783	25,300,000	800,000	405,000	1,462	0%	(403,538)	0%
Cleveland Dam MCE Seismic Upgrades	Resilience	Not Started	2028 - 2034	25,000,000	-	3,000,000	-	-	-	0%	-	0%
Douglas Road Main No. 2 (Vancouver Heights Section)	Maintenance	Construction	2014 - 2028	22,950,000	20,642,571	2,050,000	100,000	50,000	38,918	78%	(11,082)	39%
Central Park WPS Starters Replacement	Maintenance	Construction	2014 - 2028	20,000,000	1,968,962	17,600,000	5,000,000	200,000	33,966	17%	(166,034)	1%
South Fraser Storage Yard	Maintenance	Construction	2024 - 2032	19,500,000	395,146	14,550,000	700,000	1,420,000	22,758	2%	(1,397,242)	3%
South Delta Main No. 3 - 12th Ave to Pebble Hill	Resilience	Not Started	2030 - 2036	18,350,000	19,428	300,000	-	-	-	0%	-	0%
Sunnyside Reservoir Units 1 and 2 Seismic Upgrade	Resilience	Construction	2020 - 2027	17,200,000	12,889,442	7,000,000	4,000,000	3,505,000	2,829,913	81%	(675,087)	71%
Sasamat Reservoir Seismic Upgrade	Resilience	Not Started	2030 - 2035	16,700,000	-	1,200,000	-	-	-	0%	-	0%
Hellings Tank Operational Upgrades	Growth	Construction	2023 - 2028	15,950,000	7,604,953	8,100,000	3,500,000	1,200,000	203,396	17%	(996,604)	6%
Burnaby Mountain Main No. 2	Maintenance	Design	2023 - 2029	15,600,000	74,670	15,000,000	650,000	150,000	42,776	29%	(107,224)	7%
Seymour Falls Dam Seismic Stability Assessment	Resilience	Design	2025 - 2032	14,150,000	221,636	8,950,000	1,000,000	350,000	50,189	14%	(299,811)	5%
SCFP Floc Tank Baffle Replacement and Ladder Installation to Improve Accessibility	Maintenance	Construction	2023 - 2029	13,800,000	370,303	12,850,000	3,150,000	750,000	122,667	16%	(627,333)	4%
SCFP Clearwell Baffle Replacement	Maintenance	Construction	2027 - 2030	13,400,000	273,180	12,300,000	1,500,000	600,000	19,429	3%	(580,571)	1%
Pitt River Rechlorination Station Reconstruction	Maintenance	Not Started	2027 - 2031	13,200,000	-	10,200,000	-	-	-	0%	-	0%
Pebble Hill Reservoir Seismic Upgrade	Resilience	Complete	2018 - 2025	12,850,000	12,009,480	-	-	52,819	32,326	61%	(20,493)	0%
Newton Rechlorination Station No. 2	Maintenance	Design	2025 - 2031	12,650,000	5,508	8,950,000	450,000	50,000	687	1%	(49,313)	0%
Pebble Hill Reservoir No. 3 Seismic Upgrade	Resilience	Design	2019 - 2028	12,500,000	362,070	12,050,000	50,000	100,000	144	0%	(99,856)	0%
Loch Lomond Outlet Works Rehabilitation	Resilience	Design	2024 - 2030	12,350,000	241,205	12,000,000	600,000	600,000	29,420	5%	(570,580)	5%
South Delta Mains - 28 Ave Crossover	Upgrade	Construction	2018 - 2027	12,350,000	11,211,118	1,000,000	50,000	800,000	470,071	59%	(329,929)	940%
Cape Horn Pump Station No. 2 Power Distribution and DC Drive Replacement	Maintenance	Design	2026 - 2032	12,200,000	-	5,900,000	250,000	25,000	-	0%	(25,000)	0%
Palisade Outlet Works Rehabilitation	Maintenance	Construction	2022 - 2032	11,950,000	2,407,089	510,000	310,000	200,134	(995)	0%	(201,129)	0%
Clayton Langley Main No. 2	Resilience	Construction	2023 - 2029	11,700,000	509,679	10,700,000	600,000	450,000	40,267	9%	(409,733)	7%
CWTP Ozone Back-up Power	Resilience	Not Started	2027 - 2030	11,100,000	-	11,100,000	-	-	-	0%	-	0%
Cleveland Dam East Abutment Groundwater Control Seismic Upgrade	Upgrade	Not Started	2028 - 2032	11,000,000	-	2,000,000	-	-	-	0%	-	0%
Annacis Main No. 2 (River Crossing Removal)	Maintenance	Not Started	2029 - 2030	10,400,000	-	4,400,000	-	-	-	0%	-	0%
Seymour Main No. 2 Joint Improvements	Resilience	Construction	2016 - 2031	10,100,000	1,193,399	7,250,000	100,000	1,250,000	33,753	3%	(1,216,247)	34%
Cleveland Dam Public Warning System and Enhancements	Maintenance	Construction	2021 - 2027	10,000,000	7,105,924	3,350,000	1,250,000	750,000	705,474	94%	(44,526)	56%
Seymour Falls Dam Public Warning System	Maintenance	Construction	2026 - 2030	10,000,000	70,121	4,350,000	500,000	100,000	-	0%	(100,000)	0%
Mackay Creek Debris Flow Mitigation	Resilience	Complete	2017 - 2022	9,200,000	9,119,956	-	-	650	650	100%	-	0%
Bone Yard Operations Centre Building Replacement	Maintenance	Not Started	2030 - 2032	9,000,000	-	1,000,000	-	-	-	0%	-	0%
Capilano Energy Recovery Facility 66" PRV Replacement	Maintenance	Design	2025 - 2029	8,800,000	6,562	8,450,000	1,200,000	200,000	884	0%	(199,116)	0%
Relocation and Protection for MOTI Expansion Project Broadway	Maintenance	Construction	2020 - 2027	8,700,000	145,036	500,000	100,000	100,000	45,715	46%	(54,285)	46%
Lynn Valley Road Main, Seymour Main No. 3 & Seymour Main No. 4 Aerial Crossings Rehabilitation	Maintenance	Construction	2022 - 2027	8,350,000	3,962,269	4,316,000	2,706,000	2,000,165	1,565,858	78%	(434,307)	58%
Graphics Software Migration	Maintenance	Design	2026 - 2030	8,300,000	-	7,800,000	1,500,000	50,000	-	0%	(50,000)	0%
Cleveland Dam Spillway Resurfacing	Maintenance	Not Started	2030 - 2033	7,800,000	-	400,000	-	-	-	0%	-	0%
Industrial Communication Manager Migration	Maintenance	Construction	2026 - 2030	7,750,000	90,194	7,250,000	1,500,000	586,468	86,468	15%	(500,000)	6%
Tilbury Junction Chamber Valves Replacement with Actuators	Upgrade	Construction	2014 - 2028	7,600,000	4,788,303	2,450,000	100,000	100,000	35,923	36%	(64,077)	36%
CWTP Ozone Generation Upgrades for Units 2 & 3	Upgrade	Construction	2016 - 2026	7,500,000	6,777,296	50,000	50,000	62,687	62,687	100%	-	125%
Queensborough Main Royal Avenue Relocation	Maintenance	Construction	2020 - 2027	7,400,000	12,127	500,000	100,000	100,000	-	0%	(100,000)	0%
CWTP CO2 System Improvements	Maintenance	Design	2025 - 2030	7,250,000	149,798	6,900,000	400,000	300,000	119,614	40%	(180,386)	30%

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Name	Driver	Active Phase	Timeline (Start Yr. - End Yr.)	Project Estimate	Total Actuals to Date (May 31)	2026 - 2030 Planned Expenditures	2026 Planned Annual Expenditures (in Budget)	2026 Updated Forecasted Expenditures	2026 Actuals (Jan. 1 - May 31)	2026 Actual Expenditures to Forecasted Expenditures (%)	2026 Actual Expenditures Variance to Forecasted Expenditures (\$)	2026 Actual Expenditures to Planned Expenditures (%)
South Surrey Main No. 1 Nickomekl Dam Relocation	Maintenance	Construction	2023 - 2039	7,100,000	170,216	5,650,000	100,000	135,000	-	0%	(135,000)	0%
Prospect Reservoir Knotweed Removal and Drainage Improvements	Maintenance	Construction	2024 - 2027	7,000,000	3,252,486	6,500,000	4,000,000	3,800,000	2,315,463	61%	(1,484,537)	58%
Online Chlorine and pH Analyzers	Upgrade	Construction	2025 - 2030	7,000,000	245,177	6,400,000	2,000,000	500,000	25,943	5%	(474,057)	1%
Central Park Reservoir Structural Improvements	Maintenance	Design	2026 - 2030	7,000,000	-	6,950,000	50,000	50,000	-	0%	(50,000)	0%
Critical Control Sites - Back-Up Power	Resilience	Not Started	2027 - 2033	7,000,000	-	2,000,000	-	-	-	0%	-	0%
Relocation and Protection for Translink Expansion Project Surrey Langley SkyTrain	Maintenance	Construction	2024 - 2029	6,550,000	10,108	500,000	100,000	100,000	-	0%	(100,000)	0%
Newton Reservoir Cell #2 Structural Improvements	Maintenance	Design	2026 - 2029	6,500,000	-	6,500,000	200,000	200,000	-	0%	(200,000)	0%
SCFP OMC Building Expansion	Maintenance	Construction	2019 - 2028	6,400,000	543,630	4,500,000	3,250,000	1,300,000	24,915	2%	(1,275,085)	1%
Reservoir Isolation Valve Automation	Resilience	Construction	2017 - 2029	6,400,000	1,538,198	4,750,000	50,000	-	-	0%	-	0%
Burnaby Mountain Pump Station Improvement	Upgrade	Construction	2026 - 2028	6,000,000	8,874	6,000,000	2,000,000	200,000	8,874	4%	(191,126)	0%
SCFP Heat Pump Retrofit	Maintenance	Construction	2026 - 2028	6,000,000	15,436	6,000,000	1,500,000	300,000	15,436	5%	(284,564)	1%
Rice Lake Tunnel Decommissioning	Maintenance	Design	2026 - 2030	5,750,000	19,678	5,750,000	250,000	50,000	19,678	39%	(30,322)	8%
Kersland Pump Station Improvement and Seismic upgrade	Resilience	Not Started	2030 - 2032	5,750,000	-	750,000	-	-	-	0%	-	0%
Little Mountain Pump Station Improvement and Seismic upgrade	Resilience	Not Started	2030 - 2032	5,750,000	-	750,000	-	-	-	0%	-	0%
Capilano Watershed Security Gatehouse	Maintenance	Construction	2018 - 2026	5,700,000	4,856,764	700,000	700,000	200,000	109,147	55%	(90,853)	16%
Kersland Reservoir No. 1 Structural Improvements	Maintenance	Construction	2019 - 2027	5,500,000	3,622,142	1,700,000	100,000	100,000	993	1%	(99,007)	1%
CLD and SFD Lead Paint Removal, Surface Crack Injection and General Corrosion Mitigation	Maintenance	Construction	2024 - 2028	5,500,000	649,339	3,500,000	1,500,000	511,138	23,552	5%	(487,585)	2%
Capilano Raw Water Pump Station Bypass PRV Upgrades	Maintenance	Construction	2020 - 2028	5,450,000	666,280	3,550,000	2,000,000	900,536	88,356	10%	(812,180)	4%
Maple Ridge Main West Lining Repairs	Maintenance	Construction	2018 - 2028	5,400,000	314,039	4,550,000	50,000	50,000	-	0%	(50,000)	0%
Microbiology Laboratory Expansion	Maintenance	Design	2024 - 2030	5,350,000	-	5,350,000	600,000	1,100,000	-	0%	(1,100,000)	0%
Cleveland Dam - Lower Outlet HBV Rehabilitation	Maintenance	Construction	2020 - 2026	5,150,000	4,772,505	100,000	50,000	50,000	5,137	10%	(44,863)	10%
Lower Seymour Conservation Reserve Learning Lodge Replacement	Upgrade	Construction	2018 - 2026	5,050,000	5,037,406	50,000	50,000	23,750	23,750	100%	-	48%
SCFP Polymer System Upgrade	Maintenance	Construction	2018 - 2026	4,650,000	3,960,604	100,000	100,000	100,204	3,118	3%	(97,086)	3%
Grandview Pump Station Improvements	Resilience	Construction	2019 - 2027	4,550,000	2,702,744	2,600,000	1,500,000	1,500,349	497,763	33%	(1,002,585)	33%
SCFP - Greenwood and Back Wash Water Supply Pumps & SCOUR Blower VFD Replacement	Maintenance	Construction	2025 - 2028	4,500,000	-	3,700,000	2,200,000	250,000	-	0%	(250,000)	0%
Sapperton Main No. 1 New Line Valve and Chamber	Upgrade	Construction	2026 - 2030	4,350,000	3,974,629	100,000	100,000	175,000	20,055	11%	(154,945)	20%
Capilano Reservoir and Seymour Reservoir Dam Safety Boom Replacement	Maintenance	Construction	2023 - 2028	4,300,000	278,999	3,750,000	1,250,000	300,000	3,337	1%	(296,664)	0%
CLD Upper Outlet Slide Gate Refurbishment and Potential Flow Control Upgrade	Maintenance	Design	2026 - 2030	4,100,000	-	4,100,000	200,000	200,000	-	0%	(200,000)	0%
SCFP Residuals Handling PH Adjustment Permanent System	Upgrade	Construction	2026 - 2028	4,000,000	-	4,000,000	1,000,000	200,000	-	0%	(200,000)	0%
Capilano Raw Water Pump Station VFD Upgrades	Maintenance	Construction	2026 - 2030	4,000,000	2,558	3,700,000	2,000,000	75,000	2,558	3%	(72,443)	0%
Rechlorination Sites - Back-Up Power	Resilience	Not Started	2029 - 2034	4,000,000	-	600,000	-	-	-	0%	-	0%
Newton Pump Station No. 1 - Decommissioning and PRV	Maintenance	Not Started	2030 - 2032	4,000,000	-	500,000	-	-	-	0%	-	0%
Scour Protection Assessments and Construction General	Resilience	Construction	2026 - 2028	3,900,000	2,115,812	1,200,000	550,000	-	-	0%	-	0%
Dechlorination for Reservoir Overflow and Underdrain Discharges	Maintenance	Construction	2021 - 2028	3,500,000	557,535	2,350,000	1,100,000	200,000	10,912	5%	(189,088)	1%
Rehabilitation of AN2 on Queensborough Bridge	Maintenance	Construction	2024 - 2026	3,500,000	3,300,781	100,000	100,000	150,000	986	1%	(149,014)	1%
Lulu Island - Delta Main - Scour Protection Phase 2	Maintenance	Design	2027 - 2029	3,500,000	-	3,450,000	50,000	50,000	-	0%	(50,000)	0%
Pebble Hill Pump Station Seismic Upgrade	Resilience	Not Started	2027 - 2031	3,500,000	-	2,500,000	-	-	-	0%	-	0%
Pump Station Assessments and Upgrade Recommendations	Upgrade	Not Started	2030 - 2031	3,500,000	-	2,000,000	-	-	-	0%	-	0%
Seymour Dam Hydropower	Opportunity	Not Started	2030 - 2031	3,400,000	-	600,000	-	-	-	0%	-	0%
Reservoir Structural Assessments Phase 1	Maintenance	Design	2023 - 2027	3,200,000	1,563,075	1,400,000	800,000	800,000	150,208	19%	(649,792)	19%
Reservoir Structural Assessments Phase 2	Maintenance	Not Started	2027 - 2029	3,200,000	-	3,200,000	-	-	-	0%	-	0%
Tilbury Main North Fraser Way Valve Addition	Maintenance	Construction	2019 - 2028	3,100,000	462,749	2,500,000	100,000	100,000	-	0%	(100,000)	0%

Capital Expenditures as of May 31, 2026

GVWD

Name	Driver	Active Phase	Timeline (Start Yr. - End Yr.)	Project Estimate	Total Actuals to Date (May 31)	2026 - 2030 Planned Expenditures	2026 Planned Annual Expenditures (in Budget)	2026 Updated Forecasted Expenditures	2026 Actuals (Jan. 1 - May 31)	2026 Actual Expenditures to Forecasted Expenditures (%)	2026 Actual Expenditures Variance to Forecasted Expenditures (\$)	2026 Actual Expenditures to Planned Expenditures (%)
Westburnco Pump Station No. 2 VFD Replacements	Maintenance	Construction	2020 - 2027	3,050,000	2,341,586	1,200,000	1,200,000	600,000	382,067	64%	(217,933)	32%
Rice Lake Dams Rehabilitation	Maintenance	Construction	2022 - 2027	3,000,000	414,077	2,450,000	1,000,000	250,000	29,727	12%	(220,273)	3%
BC Ferries Fleet Maintenance Unit Re-Development - Dike Construction - Lulu Island Delta Main Protection	Maintenance	Construction	2024 - 2027	3,000,000	-	3,000,000	1,500,000	1,500,000	-	0%	(1,500,000)	0%
Small Logic Controller Control System Upgrades Phase 1	Maintenance	Construction	2024 - 2029	3,000,000	140,047	2,350,000	600,000	50,000	16,959	34%	(33,041)	3%
CWTP Temporary Water Supply	Maintenance	Not Started	2028 - 2030	3,000,000	-	3,000,000	-	-	-	0%	-	0%
CWTP Mobile Disinfection System	Upgrade	Construction	2022 - 2027	2,900,000	278,238	2,400,000	1,900,000	225,000	35,864	16%	(189,136)	2%
Barnston/Maple Ridge Pump Station Power Generation	Opportunity	Design	2017 - 2030	2,900,000	351,117	2,500,000	-	-	-	0%	-	0%
Improvements to Capilano Mains No. 4 and 5	Maintenance	Construction	2018 - 2029	2,700,000	110,289	2,500,000	50,000	25,000	-	0%	(25,000)	0%
Angus Drive Turbine	Opportunity	Not Started	2028 - 2030	2,600,000	-	2,600,000	-	-	-	0%	-	0%
Vancouver Heights System Resiliency Improvements	Resilience	Construction	2020 - 2027	2,500,000	2,486,705	200,000	50,000	209,330	47,536	23%	(161,794)	95%
Cape Horn Reservoir Condition Assessment and Structural Repair	Maintenance	Design	2024 - 2028	2,500,000	3,101	2,250,000	250,000	250,000	288	0%	(249,712)	0%
Lynn Valley Aerial Crossing 20" BFV Replacement	Maintenance	Not Started	2026 - 2027	2,400,000	-	2,400,000	1,300,000	25,000	-	0%	(25,000)	0%
Relocation and Protection for MOTI George Massey Crossing Replacement	Maintenance	Construction	2021 - 2031	2,350,000	-	500,000	100,000	100,000	-	0%	(100,000)	0%
Port Mann No. 1 South Section Decommissioning	Maintenance	Construction	2022 - 2027	2,350,000	75,891	1,800,000	800,000	60,000	52,649	88%	(7,351)	7%
CLD & SFD Fasteners Replacement & Coating Repairs	Maintenance	Construction	2022 - 2028	2,350,000	1,885,854	300,000	200,000	43,410	43,410	100%	-	22%
Port Moody Main No. 1 Christmas Way Relocation	Maintenance	Construction	2024 - 2028	2,300,000	-	450,000	100,000	100,000	-	0%	(100,000)	0%
Loch Lomond Formalized Spillway Design and Construction	Maintenance	Not Started	2028 - 2031	2,300,000	-	1,800,000	-	-	-	0%	-	0%
South Surrey Main No. 2 Nickomekl Dam Prebuild	Growth	Construction	2022 - 2039	2,000,000	-	1,500,000	100,000	-	-	0%	-	0%
Facilities O&M Documentation Development	Resilience	Design	2023 - 2027	2,000,000	286,760	1,400,000	750,000	150,000	22,226	15%	(127,774)	3%
Douglas Road Main No. 2 (Flow Meter 169) Replacement	Maintenance	Construction	2024 - 2028	2,000,000	1,913,798	1,750,000	250,000	1,520,000	1,103,091	73%	(416,909)	441%
Lake City HVAC Upgrade	Resilience	Construction	2025 - 2027	2,000,000	15,904	1,600,000	1,300,000	350,000	2,662	1%	(347,338)	0%
Seymour Falls Dam Backup Generator Containment and Replacement	Maintenance	Design	2026 - 2028	2,000,000	-	2,000,000	850,000	850,000	-	0%	(850,000)	0%
Capilano Primary Disinfection Decommissioning	Maintenance	Not Started	2027 - 2027	2,000,000	-	2,000,000	-	-	-	0%	-	0%
Water Supply Area Aggregate Production	Resilience	Not Started	2027 - 2033	2,000,000	-	1,000,000	-	-	-	0%	-	0%
SCFP Centralized Compressed Air System	Maintenance	Construction	2021 - 2027	1,900,000	303,059	1,350,000	1,000,000	300,000	6,894	2%	(293,106)	1%
Water Chamber Improvements and Repairs	Maintenance	Construction	2024 - 2029	1,850,000	581,075	1,250,000	350,000	325,000	44,674	14%	(280,326)	13%
Cleveland Dam Power Resiliency Improvements	Resilience	Construction	2021 - 2028	1,700,000	327,730	1,500,000	500,000	150,000	78,873	53%	(71,127)	16%
South Delta Main No. 1 - Ferry Road Check Valve Replacement	Maintenance	Construction	2019 - 2028	1,700,000	2,370,711	1,300,000	200,000	1,200,000	1,120,227	93%	(79,773)	560%
Capilano Energy Recovery Facility Operational Upgrades	Maintenance	Construction	2023 - 2027	1,550,000	362,064	970,000	670,000	300,000	142,900	48%	(157,100)	21%
Cleveland Dam Seismic Stability Evaluation	Resilience	Design	2024 - 2027	1,500,000	452,340	1,000,000	600,000	250,000	66,794	27%	(183,206)	11%
Annacis Main No. 2 and Barnston Island Main Online Chlorine and pH Analyzers	Upgrade	Construction	2025 - 2032	1,500,000	859,985	700,000	700,000	500,000	154,483	31%	(345,517)	22%
SCADA Expansion & Partitioning	Maintenance	Construction	2026 - 2030	1,500,000	369,406	50,000	50,000	-	-	0%	-	0%
CWTP Ozone Sidestream Pump VFD Replacement	Maintenance	Construction	2022 - 2026	1,400,000	1,068,716	500,000	500,000	153,919	114,940	75%	(38,979)	23%
Cleveland Dam Drumgate Seal Replacement	Maintenance	Construction	2018 - 2026	1,300,000	1,174,591	100,000	100,000	11,164	11,164	100%	-	11%
Reservoir Sampling Kiosks - Multi Location	Upgrade	Construction	2023 - 2026	1,300,000	168,569	550,000	550,000	100,000	7,671	8%	(92,329)	1%
Capilano Watershed Bridge Replacements - Crown Creek and Capilano River	Maintenance	Not Started	2027 - 2029	1,300,000	-	1,295,000	-	-	-	0%	-	0%
SFD and CLD Debris Removal	Maintenance	Construction	2026 - 2028	1,200,000	-	1,200,000	600,000	100,000	-	0%	(100,000)	0%
Douglas Road Main Protection	Maintenance	Construction	2024 - 2027	1,150,000	78,300	250,000	50,000	50,000	-	0%	(50,000)	0%
SCFP CO2 Tank Upgrade - Heat Insulation/Heater Replacement	Upgrade	Construction	2026 - 2027	1,000,000	-	1,000,000	500,000	50,000	-	0%	(50,000)	0%
Seymour Falls and Cleveland Dam ADAS Integration of New Instruments	Upgrade	Construction	2026 - 2029	1,000,000	-	1,000,000	250,000	125,000	-	0%	(125,000)	0%
Capilano Reservoir and Seymour Reservoir Boom Maintenance	Maintenance	Not Started	2030 - 2031	1,000,000	-	250,000	-	-	-	0%	-	0%

Capital Expenditures as of May 31, 2026

GVWD

Name	Driver	Active Phase	Timeline (Start Yr. - End Yr.)	Project Estimate	Total Actuals to Date (May 31)	2026 - 2030 Planned Expenditures	2026 Planned Annual Expenditures (in Budget)	2026 Updated Forecasted Expenditures	2026 Actuals (Jan. 1 - May 31)	2026 Actual Expenditures to Forecasted Expenditures (%)	2026 Actual Expenditures Variance to Forecasted Expenditures (\$)	2026 Actual Expenditures to Planned Expenditures (%)
CWTP Ozone Sidestream Pipe Heat Trace and Insulation	Maintenance	Complete	2021 - 2025	900,000	822,687	-	-	8,211	8,211	100%	-	0%
Palisade and Burwell Dam Boom Detailed Design and Construction	Resilience	Design	2026 - 2028	850,000	-	850,000	100,000	-	-	0%	-	0%
Sapperton Main No. 2 North Road Relocation and Protection	Maintenance	Construction	2021 - 2027	750,000	220,511	500,000	100,000	100,000	-	0%	(100,000)	0%
Cape Horn Pump Station 2 - Back-Up Power	Resilience	Complete	2020 - 2025	450,000	432,415	-	-	5,227	5,227	100%	-	0%
Sasamat Reservoir Refurbishment	Maintenance	Complete	2023 - 2025	450,000	427,585	-	-	24,249	24,249	100%	-	0%
Cleveland Dam Domestic Intake Concrete Repair	Maintenance	Construction	2026 - 2027	450,000	-	450,000	300,000	200,000	-	0%	(200,000)	0%
Fortis Tilbury LNG Project Phase 2	Maintenance	Construction	2026 - 2032	200,000	-	150,000	50,000	50,000	-	0%	(50,000)	0%
Total < \$100M						967,491,000	145,536,000	90,147,208	25,355,516	28%	(64,791,691)	17%
Total						3,073,497,000	488,351,000	404,880,077	138,625,815	34%	(266,254,262)	28%



Annacis Water Supply Tunnel Boring Machine

2026 GVWD Capital Program Update No. 2

Matthew Dybwad

Division Manager - Engineering, Design & Construction Director – Project Delivery

Water Committee meeting – July 15, 2026

85834461

Murray Gant

Director – Project Delivery

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GVWD CAPITAL PROGRAM UPDATE

July 2026

- Summaries for projects over \$100M
- Updates provided to Committee and Board three times a year
- Individual project reports will continue to be provided at key decision-making milestones

Capital Program Reporting												
	J	F	M	A	M	J	J	A	S	O	N	D
Capital Program Update		✓					✓				✓	
Additional Major Utility Project Updates					✓				✓			
Financial Performance Report				✓			✓				✓	

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GVWD CAPITAL PROGRAM UPDATE

Summary by Project >\$100m (1/2)

- On Track (schedule, budget)
- Issues that are being monitored, but managed within budget
- Issues that may need to be escalated to Committees, Boards for decision

Project	Progress	Schedule	Budget
Annacis Water Supply Tunnel	●	●	●
Annacis Water Main North	●	●	●
Annacis Water Main South (Annacis Main No 5. – South)	●	●	●
Burnaby Mountain Pump Station	●	●	●
Cambie-Richmond Water Supply Tunnel	●	●	●
Cape Horn Pump Station	●	●	●
Central Park Water Main	●	●	●
Coquitlam Lake Water Supply	●	●	●
Coquitlam Water Main (Coquitlam Main No. 4)	●	●	●
Port Coquitlam Water Main (Haney Main No. 4 – West Section)	●	●	●

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GVWD CAPITAL PROGRAM UPDATE

Summary by Project >\$100m (2/2)

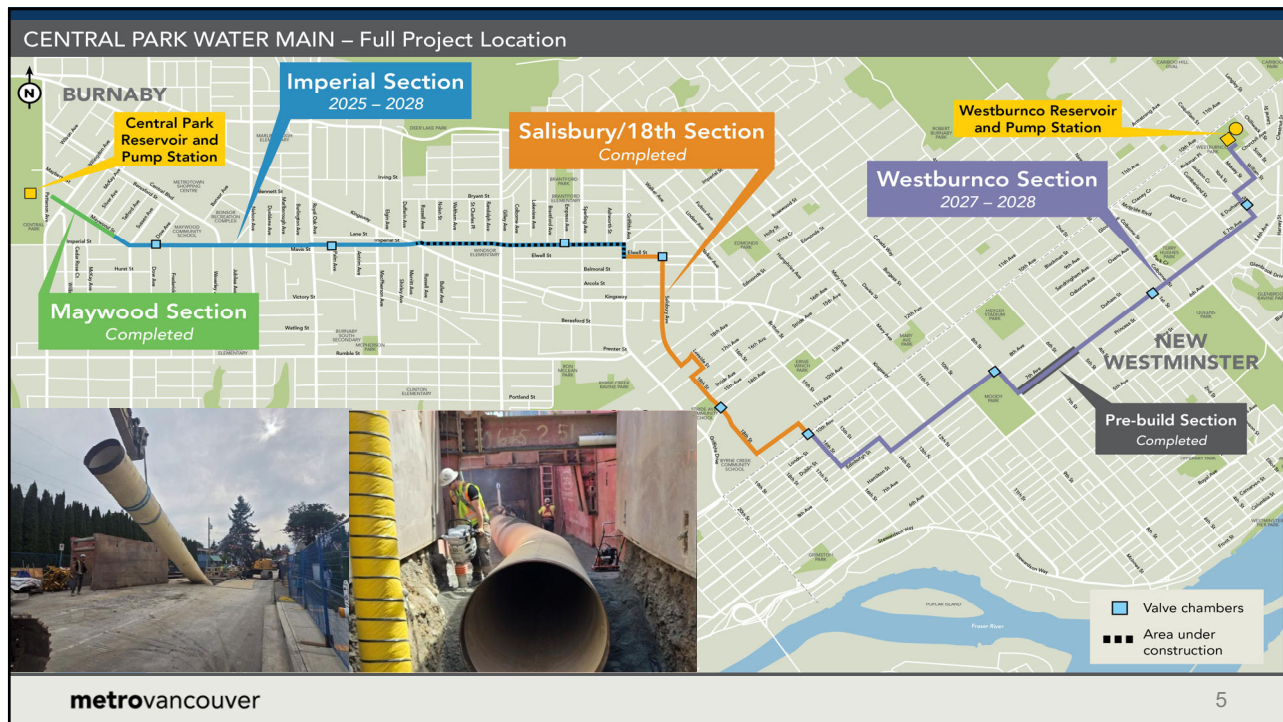
- On Track (schedule, budget)
- Issues that are being monitored, but managed within budget
- Issues that may need to be escalated to Committees, Boards for decision

Project	Progress	Schedule	Budget
Hellings Reservoir	●	●	●
Kennedy Newton Water Main	●	●	●
Lulu Delta Water Supply Tunnel	●	●	●
Pitt River (Haney) Water Supply Tunnel	●	●	●
Rechlorination Station Upgrades	●	●	●
Seymour Capilano Filtration Plant Additional Pre-Treatment	●	●	●
Second Narrows Water Supply Tunnel	●	●	●
Seymour Valley Water Main	●	●	●
South Surrey Water Main	●	●	●
Stanley Park Water Supply Tunnel	●	●	●
Whalley Kennedy Water Main	●	●	●

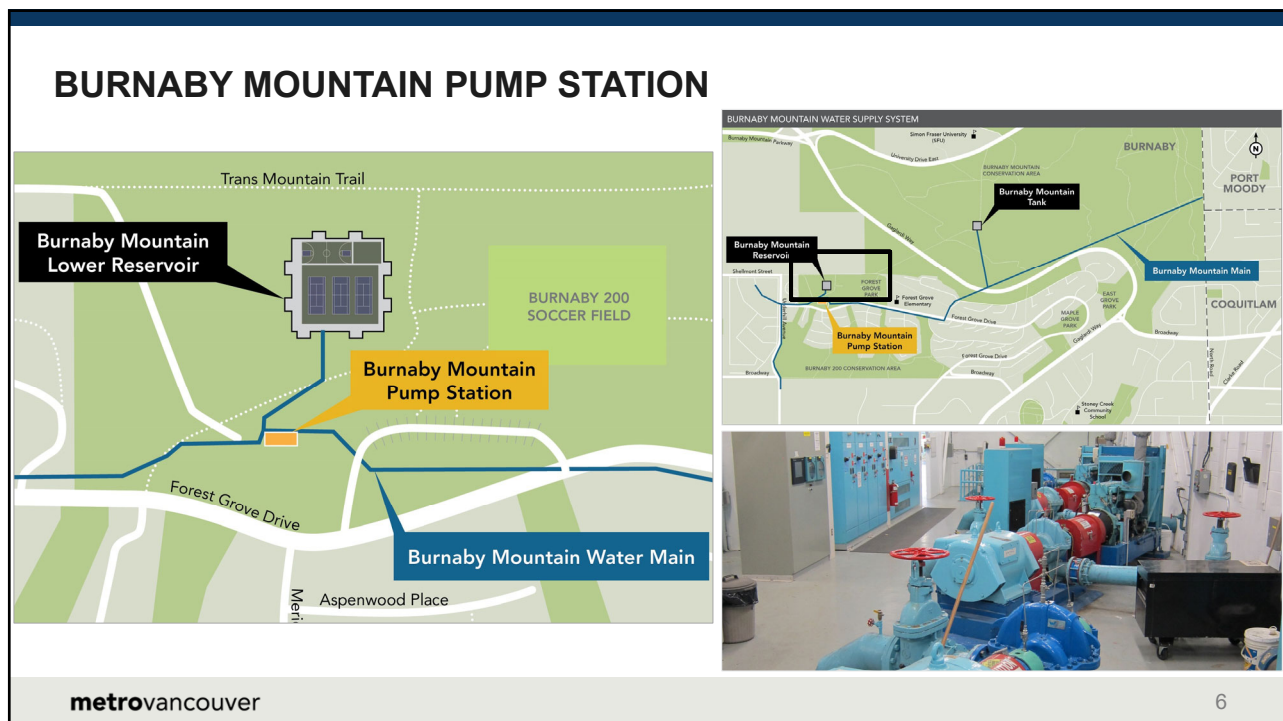
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ANNACIS WATER SUPPLY TUNNEL



Tunnel Boring Machine



North Valve Chamber



Tunnel Pipe Installation



Archaeological Investigations at South Site

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Jericho Reservoir – Interpretive element on the infrastructure and public space

Questions?

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To: Water Committee

From: George Kavouras, Director, Procurement, Procurement & Real Estate Services
Bob Cheng, Director Major Projects, Project Delivery

Date: June 29, 2026 Meeting Date: July 15, 2026

Subject: **Award of RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project - Intake and Tunnel Design**

RECOMMENDATION

THAT the GVWD Board:

- a) approve the award of RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design, in the amount of up to \$119,747,306.00 (exclusive of taxes) to Mott MacDonald Canada Limited, for a term of 15-years, subject to final review by the Commissioner;
 - b) authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate is satisfied that the award should proceed.
-

EXECUTIVE SUMMARY

Mott MacDonald Canada Limited's (Mott) proposal ranked highest overall, did not provide the lowest cost, had the highest technical score, and demonstrated best value overall for Metro Vancouver. Although not the lowest cost proponent, Mott's price is only 1.8% higher than the lowest cost proponent. The strengths of Mott's proposal, namely successful experience on very relevant projects, particularly in the key areas of geotechnical, intakes, lake taps, and tunnels will ensure Metro Vancouver receives value for money.

Metro Vancouver requires Consulting Engineering Services for the design of a new intake and tunnel for the Coquitlam Lake Water Supply Project (CLWSP). The project will enable the doubling of capacity from the Coquitlam source, which will address growing regional water demand to the latter part of the century, and prepare for the anticipated impacts of climate change.

RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design was issued on November 20, 2025. RFP 25-333 was advertised publicly, and the procurement was executed in accordance with the terms and conditions of Metro Vancouver's Procurement Policy. The RFP 25-333 evaluation team have considered the proposals received, and on that basis recommend that the GVWD award Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design to Mott MacDonald Canada Limited.

PURPOSE

Pursuant to the *GVWD Officers and Delegation Bylaw No. 247, 2014* (Bylaw) and Board Policy No. FN-031, procurement contracts which exceed a value of \$10 million require the approval of the GVWD Board.

**Award of RFP 25-333 Consulting Engineering Services for the Coquitlam Lake Water Supply Project –
Intake and Tunnel Design**

Water Committee Regular Meeting Date: July 15, 2026

Page 2 of 3

BACKGROUND

Metro Vancouver supplies water to over 3.1 million people, and the population is expected to reach 4 million by 2045. This population growth, coupled with anticipated climate change impacts such as decreased snowpack and prolonged summer conditions, will place additional stress on the existing drinking water supply system. To meet these challenges, the Greater Vancouver Water District is planning the Coquitlam Lake Water Supply Project. This project includes a new water supply intake, water supply tunnel, and filtration treatment plant to increase water withdrawal capacity from the Coquitlam Reservoir. The project needs to be in place by the late 2030s to address a potential gap in water supply projected to be as early as the mid-2030s.

Consulting engineering services are required for preliminary design, detailed design, procurement, construction engineering, commissioning, and post-construction and project close-out.

PROCUREMENT SUMMARY

RFP No. 25-333 Submissions

Proponents	Pricing (excluding taxes)
Mott MacDonald Canada	\$104,299,214.00
WSP Canada Inc.	\$102,471,515.80
Arcadis Professional Services (Canada) Inc.	*See note below
AtkinsRéalis Canada Inc.	*See note below

*Note: Total prices were not reviewed or evaluated in accordance with the terms of the RFP as Proponents did not meet the technical requirement in Stage 1 of the evaluation process.

Metro Vancouver received four proposals that were in compliance with the submission requirements. A three-stage evaluation process was used, with proponents required to satisfy the criteria at each stage to progress to subsequent stages. Technical requirements were evaluated by Project Delivery and its Program Management Consultant, and Commercial requirements were evaluated by Procurement Division.

After a comprehensive and detailed evaluation of the compliant proposals the evaluation team concluded that the proposal submitted by Mott ranked highest overall, had the highest technical score, was only marginally more expensive (1.8%), and demonstrated best value overall for Metro Vancouver. More specifically, the Mott MacDonald team demonstrated relevant firm and individual experience aligned with the planned scope in all areas, especially in the highest risk areas of tunnelling and lake taps. The proposed team organization facilitates access to experts and team leaders to provide timely and regular input to the project which will result in a design best suited for its purpose. The proposed methodology demonstrated strong understanding of the project risks and priorities with a clear approach for concept revalidation, permitting, and design.

Negotiations with Mott were completed on April 14, 2026 and the terms of the contract were agreed to and finalized. The contract value agreed to is \$119,747,306. This is an increase of \$15,448,092 due to the addition of some provisional scope items for site investigation work (i.e.: bathymetric survey, underwater photogrammetry, core storage duration and site revegetation), biofouling management services, Mott's proposed Optional Services for Seismic Hazard Assessment, escalation fee after initial 24 months services, and other non-material base scope fine tuning.

**Award of RFP 25-333 Consulting Engineering Services for the Coquitlam Lake Water Supply Project –
Intake and Tunnel Design**

Water Committee Regular Meeting Date: July 15, 2026

Page 3 of 3

ALTERNATIVES

1. THAT the GVWD Board:
 - a) approve the award of RFP No. 25-333 - Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design, in the amount of up to \$119,747,306.00 (exclusive of taxes) to Mott MacDonald Canada Limited, for a term of 15-years, subject to final review by the Commissioner;
 - b) authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate is satisfied that the award should proceed.
2. THAT the GVWD Board receive the report dated June 29, 2026, titled, “Award of RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project - Intake and Tunnel Design” for information.

FINANCIAL IMPLICATIONS

The approved capital budget for the Coquitlam Lake Water Supply Project which includes design is \$253,950,000. The project has spent and committed \$107,806,002.05 to date (June 8, 2026). The award of RFP 25-333 for Consulting Engineering Services for the Coquitlam Lake Water Supply Project – Intake and Tunnel Design, in the amount of up to \$119,747,306.00 (exclusive of taxes) is within the available approved capital budget.

CONCLUSION

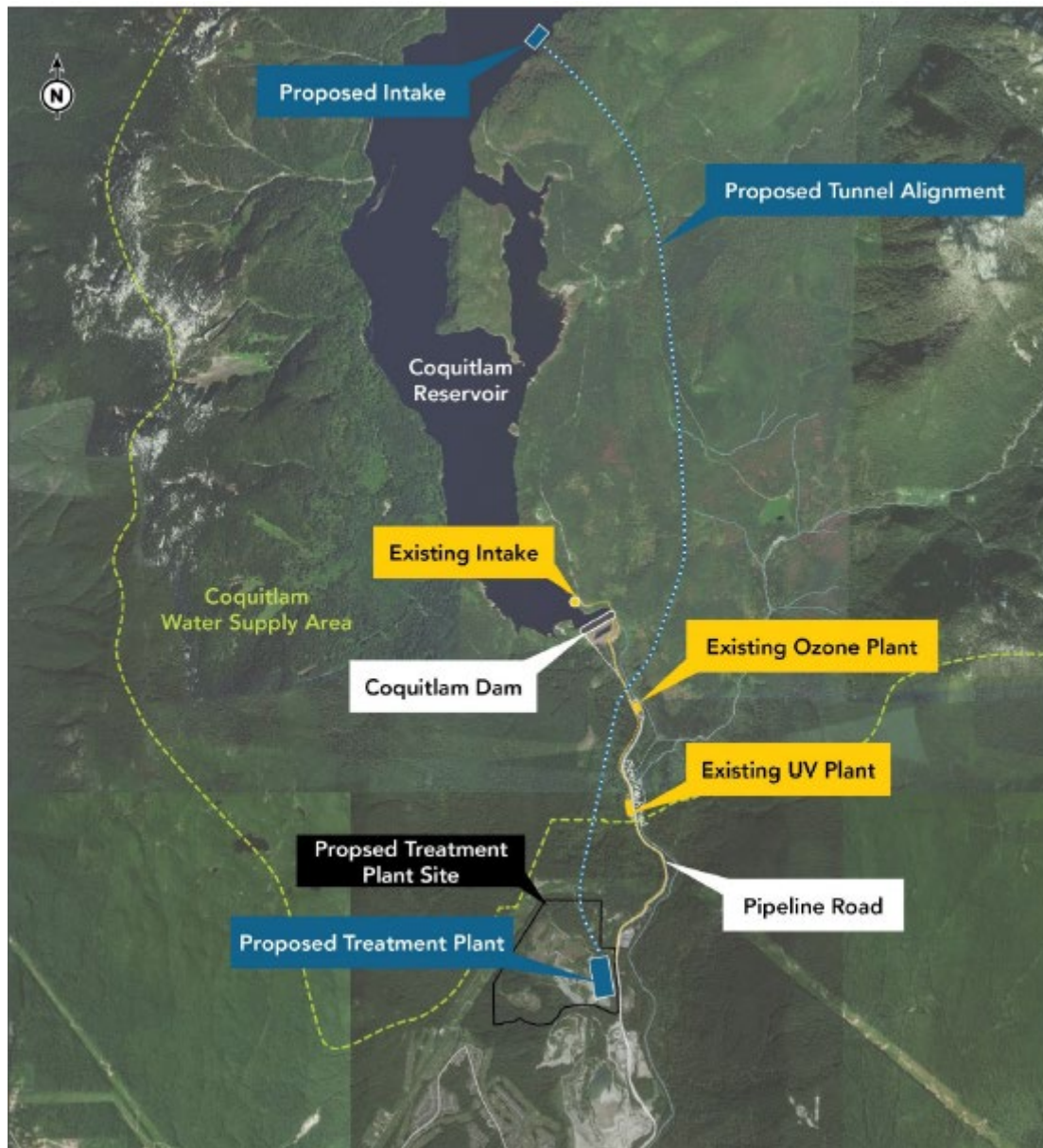
It is recommended that GVWD Board approve the award of Award of RFP No. 25-333 - Consulting Engineering Services for the Coquitlam Lake Water Supply Project - Intake and Tunnel Design, in the amount of up to \$119,747,306 (exclusive of taxes) to Mott MacDonald Canada Limited and authorize the General Manager, Procurement and Real Estate to execute the required documentation once the General Manager, Procurement and Real Estate is satisfied that the award should proceed.

ATTACHMENT

1. Coquitlam Lake Water Supply Project – Intake Location and Tunnel Alignment

85400336

Coquitlam Lake Water Supply Project – Intake Location and Tunnel Alignment



To: Water Committee

From: Ian Manning, Director, Dam Safety, Water Services

Date: June 18, 2026

Meeting Date: July 15, 2026

Subject: **2025 GVWD Dam Safety Program Annual Update**

RECOMMENDATION

THAT the Water Committee receive for information the report dated June 18, 2026, titled “2025 GVWD Dam Safety Program Annual Update”.

EXECUTIVE SUMMARY

The GVWD owns and operates seven dams that are regulated by the Ministry of Water, Land and Resource Stewardship – Dam Safety Section, five of which are regional drinking water supply dams and two of which store water for ecological and recreational purposes. The GVWD Dam Safety Program is compliant with the requirements outlined in the provincial Dam Safety Regulation (BC Regulation 40/2016; amended by Regulation 32/2023) for the water supply dams.

There were no unsafe or unacceptable conditions identified from the check and review activities carried out at the GVWD dams in 2025, including routine surveillance, monitoring, and formal dam inspections.

PURPOSE

To provide the Water Committee with an annual update on dam safety activities associated with the Cleveland, Seymour Falls, Palisade, Burwell, Loch Lomond, Rice Lake North, and Rice Lake South Dams.

BACKGROUND

The Water Services (WS) Dam Safety division monitors and reviews the performance of seven GVWD dams, including five water supply dams, to ensure they remain safe and reliable for the continued supply of drinking water. The dam safety program supports the goals and initiatives of the Board Strategic Plan and Drinking Water Management Plan through its contribution to the long-term resilience of the regional drinking water system.

GVWD DAMS

Cleveland Dam and Seymour Falls Dam

Cleveland Dam is a 92-meter-high concrete gravity dam that impounds Capilano Reservoir. Seymour Falls Dam is a 30-meter-high composite concrete and earthfill dam that impounds Seymour Reservoir. Both dams include discharge outlets to release water downstream to their respective rivers, as well as water supply intakes to convey water for treatment at the Seymour Capilano Filtration Plant. The reservoir areas upstream of the dams are kept clear of debris with a series of booms that float on the reservoir surface preventing the passage of large debris towards the dams and associated intakes.

Alpine Lake Dams

The three Alpine Lake Dams (Palisade, Burwell, and Loch Lomond dams) are located within the Capilano and Seymour watersheds and range in height from 5.8 m to 8.2 m. Palisade and Burwell Dams are rockfill dams with concrete slabs on their crests and upstream faces, while Loch Lomond Dam is a vertical-face concrete dam. All three Alpine Lake Dams include spillways and discharge outlets that allow for the release of water to their respective downstream reservoirs. Palisade Lake discharges to the Capilano Reservoir, while Burwell and Loch Lomond Lakes discharge to the Seymour Reservoir. The alpine lakes are primarily used to augment the summertime storage capacity of the two downstream water supply reservoirs.

Rice Lake Dams

The two Rice Lake Dams are located at the north and south ends of Rice Lake within the Lower Seymour Conservation Reserve (LSCR) in North Vancouver. Metro Vancouver operates and maintains the LSCR primarily for future water supply potential as well as to conserve its ecological and recreational value. The Rice Lake North Dam is a 5.5-meter-high earthfill dam and includes an overflow spillway, and the Rice Lake South Dam is a 7.5-meter-high earthfill dam. The Rice Lake Dams were constructed in the late 1950s to provide a supplemental drinking water supply for the City of North Vancouver. The function of Rice Lake as a drinking water supply ceased in the 1980s and it has since been used for recreational purposes including public walking trails, a floating dock, and fishing.

COMPLIANCE WITH BC DAM SAFETY REGULATION

Cleveland Dam and Seymour Falls Dam are classified as “extreme” consequence dams according to the provincial Dam Safety Regulation. The three Alpine Lake Dams are classified as “significant” consequence dams, while the two Rice Lake Dams are classified as “very high” consequence dams.

The following work was completed in 2025 to ensure continued compliance with the Dam Safety Regulation:

- Site surveillance was carried out, at a minimum, weekly at Cleveland and Seymour Falls Dams.
- Weekly site surveillance was carried out at the Rice Lake Dams.
- Monthly site surveillance is typically required at significant consequence dams, unless otherwise specified in the Operation, Maintenance, and Surveillance (OMS) Manual. Given their remote locations and winter helicopter access restrictions, the Alpine Lake Dams were periodically inspected between May and October in accordance with their OMS Manuals.
- Semi-annual formal inspections were completed for Cleveland Dam and Seymour Falls Dam.
- Annual formal inspections were completed for the Alpine Lake Dams and Rice Lake Dams.
- Annual test operation of mechanical, electrical, and communications components was completed for all water supply dams where applicable. There are currently no mechanical, electrical, or communications components at the Rice Lake Dams.
- Instrumentation readings were collected at various intervals, ranging from near-continuous to annually for Cleveland Dam and Seymour Falls Dam. Data from instrumentation at the Rice Lake Dams as well as Alpine Lake Dams was collected at intervals ranging from near-continuous to annually. Geotechnical and lake level instrumentation data is reviewed by staff daily (Monday – Friday) through an automated data acquisition system.

- Annual review of contact information in the Dam Emergency Plan (DEP) is required, and if necessary, revision and submission to the Provincial Dam Safety Officer. The internal and external contact information for all Water Services regulated dams were reviewed in late 2025 and resubmitted to the Dam Safety Officer as part of DEP revisions in 2026.
- At a minimum, the OMS Manual and DEP for “extreme” and “very high” consequence dams must be reviewed every seven years and revised and reported to the Dam Safety Officer, if necessary.
 - **Cleveland Dam:** The current OMS Manual was issued in July 2023. An update to the DEP was issued in March 2026.
 - **Seymour Falls Dam:** The current OMS Manual was issued in March 2025. An update to the DEP was issued in March 2026.
 - **Rice Lake Dams:** The OMS Manual was issued in February 2025. The DEP was issued in October 2025, with additional updates following external partner engagement issued in December 2025 and February 2026. A DEP tabletop exercise was completed in November 2025.
- For “significant” consequence dams, the OMS Manual and DEP must be reviewed and, if necessary, updated and reported to the Dam Safety Officer at least every 10 years. The Alpine Lake Dams OMS Manuals were last revised in 2016, and updated versions will be issued in 2026. Updates to the DEPs were issued in May 2026.
- A formal Dam Safety Review (DSR) must be carried out, with the report submitted to the Dam Safety Officer every seven years for “extreme” consequence dams, and every 10 years for “very high” consequence dams.
 - **Cleveland Dam:** The most recent DSR commenced in 2023 and was completed in 2024. The review identified no unsafe or unacceptable conditions related to design, construction, or operation. The consultant’s report was submitted to the BC Dam Safety Office in December 2024.
 - **Seymour Falls Dam:** The most recent DSR commenced in 2021 and was finalized in 2024. The review concluded that the dam is reasonably safe, operated safely, maintained in a safe condition, and that surveillance is adequate to detect any developing safety problems. The consultant’s report was submitted to the BC Dam Safety Office in June 2024.
 - **Rice Lake Dams:** A comprehensive DSR was initiated in 2025 following completion of detailed hydrotechnical and geotechnical assessments, and will be completed in 2026.
- A formal DSR is not required for “significant” consequence dams. To be proactive, a DSR was carried out for the Alpine Lake Dams in 2012, with results indicating that the dams are being operated and maintained in a satisfactory manner.
- Formal dam audits are conducted by the provincial Dam Safety Officer approximately every five years for “extreme” and “very high” consequence dams, and every 10 years for “significant” consequence dams. The most recent audits for Cleveland and Seymour Falls Dams were completed in 2020; the Cleveland audit noted the October 1, 2020 safety incident, with no other significant concerns identified. Follow-up audits for Cleveland and Seymour Falls Dams are being planned by the Dam Safety Officer for 2026. An audit was carried out for the Rice Lake Dams in June 2025, and the Dam Safety Officer noted the outstanding DSR which is currently in progress.

- A water licence application was submitted for the Rice Lake Dams in October 2023. In June 2025, the Ministry of Water, Land and Resource Stewardship requested a detailed assessment of Environmental Flow Needs (EFN) and Instream Flow Requirements (IFR). A report was submitted to address these requests in April 2026, and issuance of the updated water licence remains pending.

CLEVELAND DAM SAFETY ENHANCEMENTS

The Cleveland Dam Safety Enhancements program was initiated in 2021 and involves the identification and management of various initiatives to improve the safety and reliability of the dam. Key activities in 2025 included:

- Engagement with the Dam Safety Advisory Panel (DSAP), comprised of external technical experts. With major DSAP review work largely complete, efforts in 2025 focused on transitioning the panel's role and reconfiguring its membership and mandate to support broader strategic input across Metro Vancouver's dam portfolio.
- Completion of installation of new monitoring equipment for the spillway gate position and related safety systems in 2025, following design work completed in 2023.
- Advanced the Capilano River Evacuation System (formerly referred to as the Capilano Public Warning System). Preliminary studies completed in 2024 (including river user characterization, hydraulic and hazard modelling, and an updated public safety risk assessment) supported the initiation of detailed design in 2025, which is expected to be completed by the end of 2026. Construction is anticipated to begin in late 2026 or early 2027.

TRANSITION TO A CENTRALIZED CORPORATE DAM SAFETY PROGRAM

Metro Vancouver has taken significant steps to strengthen dam safety management across the organization through the establishment of a corporate policy framework and a centralized model to support dam safety activities across all departments with dam assets, which include Water Services, Liquid Waste Services, and Regional Parks.

The Interim Corporate Dam Safety Policy, first approved in 2022, established the requirements and accountabilities for the safe operation and maintenance of Metro Vancouver dams. The policy was updated in October 2025 to reflect organizational changes, updates to the regulatory landscape, and to clarify key definitions and expectations.

In 2025, further progress was made in establishing the corporate Dam Safety Management System through development of the Dam Safety Governance and Implementation Manuals. These documents will document the framework for dam governance, risk management, and program delivery across the organization.

DAM ASSET CONDITION

The five drinking water supply dams and two Rice Lake Dams are regularly maintained and upgraded to ensure they remain in good operating condition and to extend their service life. Issues are identified through surveillance, inspections, assessments, and independent expert reviews.

Improvement projects are prioritized and incorporated into GVWD's operating and capital financial planning process.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

There are no financial implications arising from this report. The cost of routine surveillance, monitoring, and inspection activities form part of the Water Services annual operating budget, and financial contributions are in place to support the centralized management of dam safety activities on behalf of all dam owner departments.

CONCLUSION

The GVWD Dam Safety Program is compliant with the requirements of the provincial Dam Safety Regulation for the water supply dams. No significant concerns were identified from the 2025 routine surveillance, monitoring, and formal dam inspections.

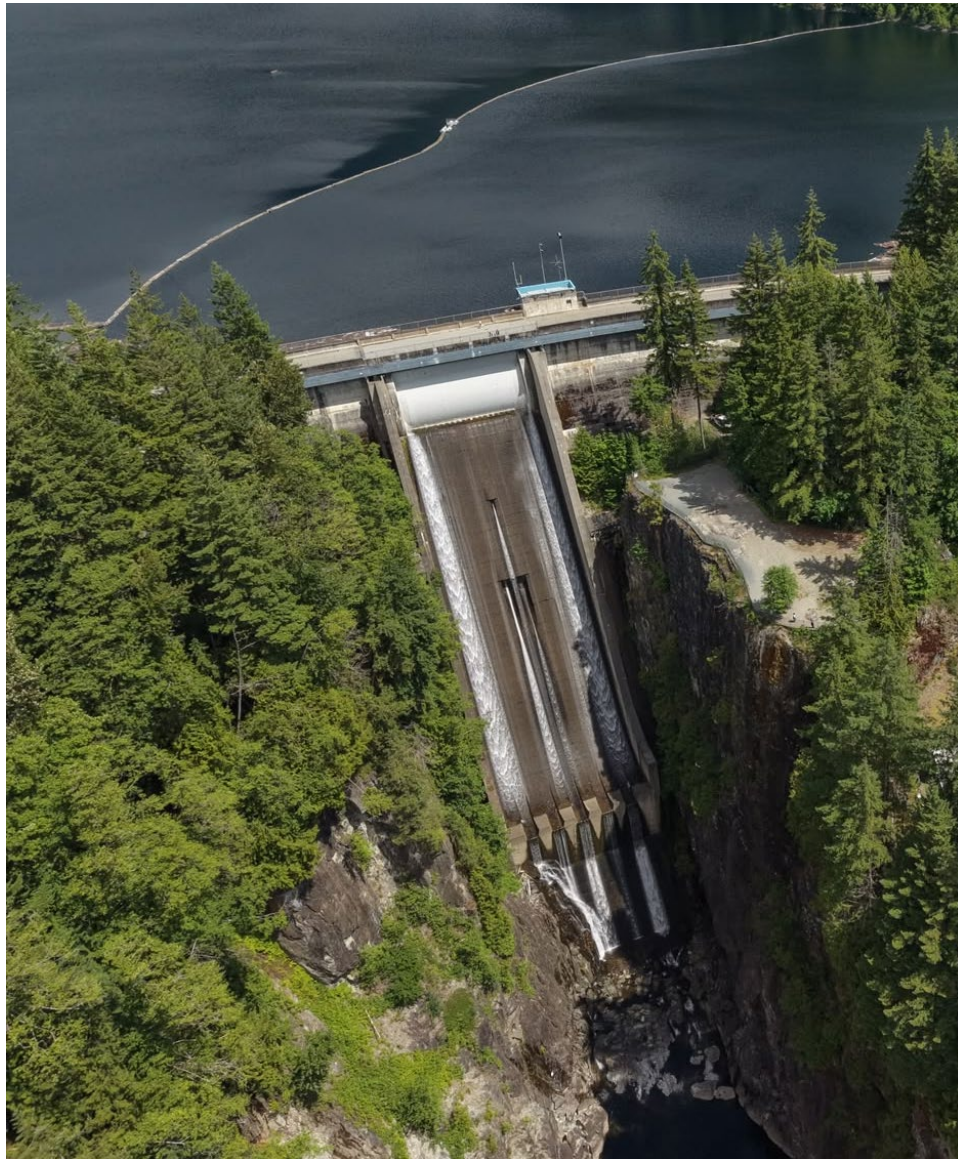
ATTACHMENT

1. Photos of the GVWD Water Supply Dams and other GVWD Dams.

REFERENCE

- 1 *Dam Safety Regulation*, BC Reg 40/2016
https://www.bclaws.gov.bc.ca/civix/document/id/complete/statreg/40_2016

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Cleveland Dam



Seymour Falls Dam



Burwell Dam



Loch Lomond Dam



Palisade Dam



Rice Lake North Dam



Rice Lake South Dam



To: Water Committee

From: Heidi Walsh, Director, Watersheds and Environment, Water Services

Date: July 7, 2026

Meeting Date: July 15, 2026

Subject: **Water Supply Area Access Policy**

RECOMMENDATION

THAT the GVWD Board:

- a) rescind the *Watershed Access Policy* (Policy No. UT-001); and
 - b) adopt the *Water Supply Area Access Policy* (Policy No. UT-021) as presented as Attachment 1 in the report dated July 7, 2026, titled “Water Supply Area Access Policy”.
-

EXECUTIVE SUMMARY

Protecting GVWD water supply areas through restricted access has been fundamental to maintaining high-quality source drinking water since 1924, effectively reducing risks associated with point-source contamination, human-caused wildfire, and other activities that could compromise water quality. The Water Supply Area Access Policy (**Attachment 1**) supports a proactive, multi-barrier approach to drinking water protection, aligns with public health guidance, and fulfills legal obligations under provincial licences and long-term land agreements.

A *Watershed Access Policy* has been in place since the late 1990s and has been routinely updated to reflect evolving watershed management practices and to improve policy language and processes. The proposed 2026 policy further modernizes the framework by updating “Water Supply Area” terminology, updating definitions, aligning with the recently approved bylaw, clarifying approval authorities and access processes, and introducing a dedicated section for Indigenous cultural access. These updates improve policy rationale clarity, administrative efficiency, and provide relationship-building opportunities with Indigenous Nations while maintaining highly restricted access as the cornerstone of source water protection.

PURPOSE

To seek approval to rescind the *Watershed Access Policy* and adopt the new *Water Supply Area Access Policy*.

BACKGROUND

Starting in the late 1990’s, requests for access into the restricted water supply areas increased and the nature of these requests changed. An initial *Watershed Access Policy, 2017* (Access Policy) (**Attachment 2**) was developed which required Board Approval for all access outside of the GVWD staff. This policy was updated in 2011 to recognize a variety of common, already approved access request categories that staff were permitted to maintain; however, the stipulation remained that all new requests required Board approval to meet the Access Policy requirements. In February 2017, following a series of requests from local First Nations to practice a variety of traditional and ceremonial activities, the Access Policy was again updated to provide a streamlined review and approval process where these now routine access requests could also be approved at the staff level.

With the approval of *Hunting Cultural Resources Access Agreements* in 2022 and 2025, and the adoption of the Greater Vancouver Water District Water Supply Areas Protection Bylaw No. 268, 2026 (Water

Supply Areas Protection Bylaw) in 2026, another Policy update is required to modernize the policy language and ensure the bylaw is appropriately recognized in the policy. This report is being brought forward to present amendments to the Access Policy for Committee and Board consideration.

ACCESS POLICY HISTORY

The principle of protecting the GVWD water supply areas by strictly limiting and managing access has been a fundamental component of the GVWD's approach and strategy of ensuring high-quality GVWD source drinking water supplies since 1924. A key strategy of Metro Vancouver's *Drinking Water Management Plan* is to ensure that the region's water supply system provides multiple barriers to prevent water contamination, starting with watershed protection. The primary benefits of restricted access are a dramatic reduction in the risk of point source contamination and human-caused wildfires.

Water supply area access is primarily limited to utility personnel for business purposes, but several other types of valid water supply area access requests are received by staff. The Access Policy was updated several times between its inception and 2017 to add greater process clarity and recognize revised approaches to water supply area management. For example, between the time of the 1996 *Watershed Access Request and Approval Procedures Policy* and the 2011 Watershed Access Policy, the GVWD stopped the practice of logging in water supply areas, expanded the public Watershed Tours Program, and began to receive many requests for access from utilities with infrastructure in the water supply areas, post-secondary institution researchers, and search and rescue agencies. Prior to 1996, each and every access request outside of the GVWD staff and contractors required Board approval. The approach of the 1996, 2011, and 2017 revisions was to recognize the change and increase in access needs, specifically delineate and refine those more routine requests that staff could consider and approve, and clearly lay out requests which would continue to require approval by the GVWD Board.

PROPOSED POLICY UPDATES

Staff are currently authorized to approve a range of routine access requests, including cultural activities, post-secondary research, and internal and external utility project work. However, the existing Access Policy contains outdated terminology, does not reflect recent standalone agreements with local First Nations, and does not reference the recently adopted *GVWD Water Supply Areas Protection Bylaw No. 268, 2026*.

The proposed amendments update and streamline the Access Policy by refining the criteria and enabling operational efficiencies for staff approvals and modernizing language to align with current practices.

These changes are intended to improve clarity, support more efficient processing of common access requests, and strengthen working relationships with local First Nations, while maintaining highly restricted access to protect the source drinking water supplies.

Key updates include:

- **Terminology and consistency:** Replacing "Watershed" with "Water Supply Area" throughout the policy, introducing updated definitions, and aligning roles and language with the Water Supply Areas Protection Bylaw.
- **Clarified access authority and processes:** Clearly distinguishing between access requests that may be approved by Designated Metro Vancouver staff and those requiring GVWD Board approval, and refining procedures related to request submission, orientation, and enforcement.

- **Indigenous access provisions:** Introducing a dedicated section addressing First Nations cultural access, including low-impact cultural practices, archaeological research, and activities undertaken through Board-approved Cultural Access Agreements.
- **Policy rationale and regulatory alignment:** Strengthening the articulation of source-water protection objectives, including public health, wildfire risk reduction, and regulatory obligations, and aligning the policy with evolving bylaws and governance frameworks.

ALTERNATIVES

1. THAT the GVWD Board:
 - a. rescind the *Watershed Access Policy* (Policy No. UT-001); and
 - b. adopt the *Water Supply Area Access Policy* (Policy No. UT-021) as presented as Attachment 1 in the report dated July 7, 2026, titled “Water Supply Area Access Policy”.
2. THAT the GVWD Board receive the report dated July 7, 2026, titled “Water Supply Area Access Policy” for information.

FINANCIAL IMPLICATIONS

This is a Policy update to an existing funded program. No financial implications are anticipated.

OTHER IMPLICATIONS

The proposed changes to the Access Policy will provide a more transparent opportunity for First Nations to pursue stand-alone access agreements for various activities within the Capilano, Seymour, and Coquitlam water supply areas. This approach allows for greater discretion by the Board to consider individual First Nation requests and respond with customized agreements to meet the circumstances being proposed. All stand-alone agreement proposals would be presented to the GVWD Board for consideration and endorsement before staff commence working on the agreement details.

CONCLUSION

The Access Policy was last updated in 2017 and no longer fully reflects current governance frameworks, operational practices, or regulatory instruments. Since that time, refinements to access management and the introduction of the Water Supply Area Protection Bylaw have highlighted the need to modernize the policy and clarify how access to water supply areas is managed and approved.

The proposed amendments modernize policy language, improve internal consistency, and clarify staff and Board approval authorities for access requests. These updates strengthen alignment with source-water protection objectives, reinforce a multi-barrier approach to drinking water safety, and support the ongoing management of risks related to contamination and wildfire while ensuring the policy remains clear, current, and effective in supporting the protection of Metro Vancouver’s water supply areas.

Maintaining highly restricted access to water supply areas remains a foundational principle in the provision of high-quality drinking water to the Metro Vancouver region. The proposed amendments uphold this priority while ensuring the access policy continues to respond to evolving operational, regulatory, and governance needs.

Water Supply Area Access Policy Update

Water Committee Regular Meeting Date: July 15, 2026

Page 4 of 3

ATTACHMENTS

1. *Water Supply Area Access Policy* (UT-021).
2. *Watershed Access Policy, 2017.*
3. Watershed Access Policy - Redline Version.

58566321

BOARD POLICY**WATER SUPPLY AREA ACCESS POLICY**

Effective Date: July 31, 2026

Approved By: GVWD Board

Policy No. UT-021

PURPOSE

The objectives of this Policy are to protect the Water Supply Areas by limiting access to the Greater Vancouver Water District lands in the upper Capilano, Seymour, and Coquitlam River watersheds, and to clarify the roles of Metro Vancouver staff and the Greater Vancouver Water District Board with respect to authorizing access to these lands.

Access restrictions in this policy support Health Canada's guidance for Metro Vancouver to maintain a proactive, multi-barrier risk management approach for ensuring drinking water safety from source to tap, focusing on preventing contamination and risks to public health. Metro Vancouver is also bound by the terms of its 999-year leases with the province and by its Provincial water licences to protect the lands from wildfire and to limit activities to only those associated with water purveyance. Restricting access and carefully managing those with permitted access is a key method of protecting source water quality as it considerably limits the potential for point source contamination and human caused wildfires.

DEFINITIONS

"Designated Metro Vancouver Staff" means those Watersheds and Environment divisional staff assigned the responsibility for management, protection and control of the Water Supply Areas by the Director, Watersheds and Environment, Water Services.

"Access Permit" means a permit issued by Designated Metro Vancouver Staff that authorizes an individual to access a Water Supply Area(s) for specified purposes and duration.

"Water Supply Area(s)" means those lands legally described and held by the Greater Vancouver Water District in fee simple for water supply purposes or leased under 999-year lease tenures granted by the Province of British Columbia to the Greater Vancouver Water District as a source of water supply, in the Capilano River watershed, the Seymour River watershed, and the Coquitlam River watershed.

"Water Supply Areas Protection Bylaw" means Greater Vancouver Water District Water Supply Areas Protection Bylaw No. 268, 2026, as amended from time to time.

POLICY

A key strategy of Metro Vancouver's *Drinking Water Management Plan* is to ensure the region's water supply system has multiple barriers of protection to prevent water contamination. A critical form of protection from pollution and wildfire in the Water Supply Areas is to exclude human entry and

BOARD POLICY

activities to the greatest extent possible, while recognizing that regular operations and other valid reasons do exist for periodic entry.

Access to the Water Supply Areas is frequently required by Metro Vancouver employees, and requested by First Nations, consultants and contractors, other utilities with infrastructure located within or adjacent to the water supply areas, senior government employees, search and rescue personnel, and academic researchers.

PROCEDURE

This *Water Supply Areas Access Policy* provides clarity regarding the types of access requests Designated Metro Vancouver Staff are authorized to consider as opposed to those that require referral to the GVWD Board for consideration.

ACCESS REQUEST TYPES

1. Work Related Access Requests

Designated Metro Vancouver Staff may approve requests by individuals for access to a Water Supply Area for the purposes set out below:

- a) Metro Vancouver's staff, consultants, and contractors required to undertake work for Metro Vancouver within a Water Supply Area(s).
- b) BC Hydro and Fortis BC staff, consultants, and contractors to undertake work in support of utility operations for BC Hydro and Fortis BC, respectively, within a Water Supply Area.
- c) GVWD Board of Directors, Water Committee members, member jurisdiction councillors, and Medical Health Officers to fulfill responsibilities to their respective authorities in relation to the region's water supply.
- d) Accredited media representatives for activities approved through Metro Vancouver's External Relations review process. Media must be escorted by Designated Metro Vancouver Staff.
- e) Fish hatchery staff and specialized fish and fish habitat personnel requiring access to a Water Supply Area(s) for GVWD supported management activities.
- f) Accredited search and rescue and emergency response personnel for preparatory and response activities.
- g) Watershed tour and education participants pursuant to the GVWD Board approved Watershed Education Program.
- h) Individuals or organizations conducting research projects, including those working on behalf of not-for-profit organizations under provincial or federal funding programs, provided a detailed research proposal has been submitted to and approved in advance by the Director Watersheds and Environment. The proponent must:
 - i. provide proof the research is supported or sponsored by an accredited academic institution or by a municipal, provincial or federal government agency;

BOARD POLICY

- ii. possess appropriate scientific qualifications or be working under the direct supervision of an individual with such qualifications; and
- iii. provide proof of liability insurance not less than \$5,000,000 for activities within the Water Supply Area(s), naming the Greater Vancouver Water District and Metro Vancouver Regional District as *additional insureds*.

2. Indigenous Cultural Access Requests

The GVWD recognizes that access to traditional territories is essential to Indigenous cultural and spiritual well-being and that the GVWD Water Supply Areas may be part of that traditional territory. For activities that do not pose a risk to water quality, designated Metro Vancouver Staff may approve water supply area access for local First Nation members for the purposes set out below:

- a) Engaging with GVWD, other utility agencies or other orders of government.
- b) Engaging in land based cultural activities and practices, such as plant harvesting for medicinal, food or clothing purposes, bark stripping, ceremonial burns, smudging, prayer, etc. for non-commercial purposes.
- c) Archaeological research undertaken by, or on behalf of a First Nation within the Nation's traditional territory, provided the individuals or entity meet the conditions of Section 1. h) ii. and iii. above and have the support of all First Nations with interest in that Water Supply Area.
- d) Undertaking activities coordinated by way of a Board endorsed Cultural Access Agreement.

3. Access Requests Requiring GVWD Board Approval

Any requests for access that do not fall within Section 1 and 2 above cannot be evaluated by designated Metro Vancouver Staff and must be referred to the GVWD Board for consideration. Such requests should be brought to the attention of the Director, Watersheds & Environment. Requests that move forward for consideration at a regular GVWD Board meeting will take a minimum of 90 days to be reviewed. Note that there are no GVWD Board meetings in August or December.

ACCESS REQUEST PROCESS (Section 1 & 2 Requests)

Every person entering a Water Supply Area under Section 1 and Section 2 must either:

- a) be in possession of an Access Card, or
- b) be escorted by a Metro Vancouver staff person as designated by the Superintendent, Watershed Protection, or
- c) have special arrangements approved by the Superintendent, Watershed Protection (for brief or one-time access, e.g. delivery drivers).

For access requests requiring multiple or ongoing entries, an access request form must be submitted to the Superintendent, Watershed Protection at least 10 days before the initial desired access date.

BOARD POLICY

When a request for ongoing access to a Water Supply Area is approved for an individual, that individual must successfully complete an orientation regarding responsibilities while in the Water Supply Area(s) before an access card is issued and entry is allowed.

Every person entering a Water Supply Area (one-time or ongoing) is subject to the Water Supply Areas Protection Bylaw No. 268, 2026. Any contravention of the bylaw may, in addition to any penalty imposed under the bylaw, result in Metro Vancouver Designated Staff revoking access and denying future entry to the Water Supply Areas.



WATERSHED ACCESS

Effective Date: March 18, 2011 (revised February 24, 2017)

Approved By: GVWD Board

Policy No. UT-001

PURPOSE

The objectives of this Policy are to protect the Watersheds, by limiting access to the Watersheds, and to clarify the roles of Metro Vancouver staff and the Greater Vancouver Water District Board with respect to authorizing watershed access.

DEFINITIONS

“Designated Metro Vancouver Staff” for the purposes of approving watershed entry permits are those staff assigned the responsibility for watershed management, protection and control by the General Manager, Water Services.

“Watersheds” means the restricted access portions of the Capilano, Seymour and Coquitlam River drainage areas including the source water supply portions thereof.

“Watershed Regulations” are the sanitary, pollution control, burning and general regulations of the GVWD provided to watershed entrants upon entry into drinking water supply areas.

POLICY

The principle of protecting GVWD Watersheds by restricting access is a fundamental component of ensuring high quality source water supply. A key strategy of Metro Vancouver’s *Drinking Water Management Plan* is to ensure that the region’s water supply system provides multiple barriers to water contamination, starting with watershed protection. A critical form of protection is to exclude human entry to the greatest extent possible, while recognizing that valid reasons do exist for entry into the Watersheds for both internal and external applicants.

PROCEDURE

Watershed access is routinely requested by Metro Vancouver employees, consultants and contractors, other utilities with infrastructure located within or adjacent to watershed lands, senior government employees, search and rescue personnel, First Nations and researchers proposing work within the Watersheds.

The *Watershed Access Policy* provides clarity regarding the types of entries that staff are authorized to approve as opposed to those that require referral to the Board for consideration.

Application

This policy guides not only staff, in terms of administering the policy, but any individual or organization seeking entry into the Watersheds.

BOARD POLICY

CRITERIA FOR APPROVAL OF WATERSHED ACCESS REQUESTS

All personnel entering the Watersheds require a watershed entry permit or escort by specifically authorized staff for the duration of their admittance.

I. Staff Approval of Watershed Access Requests

Designated Metro Vancouver Staff have the authority to approve Watershed access requests based on the criteria set out below. Requests must be submitted at least 5 days before the desired entry for consideration by the Designated Metro Vancouver Staff.

Designated Metro Vancouver Staff may approve access requests, for work solely within the Watersheds, from the individuals or entities set out below that meet the criteria related to that individual or entity:

1. Metro Vancouver's staff, consultants and contractors when they are required to undertake approved programs within the Watersheds as part of their duties.
2. BC Hydro and Fortis BC staff and their consultants and contractors for undertaking work on their utilities.
3. Representatives of the provincial and federal governments who, in order to fulfill their duties, are required to gain access to the Watersheds.
4. First Nation members when accessing their traditional territories for consultation with utility agencies or for the purposes of engaging in cultural activities and practices that do not harm the Watersheds' environment or source water quality, but which may include limited gathering of plant material for non-commercial purposes, but does not include hunting or fishing.
5. GVWD Board directors, member jurisdiction council and committee members, and medical health officers when access is required as part of their responsibilities for their respective authorities.
6. Accredited media representatives on approved GVWD business when escorted by authorized GVWD personnel.
7. Fish hatchery staff and specialized fisheries personnel requiring access to the Watersheds for GVWD authorized fisheries management activities.
8. Accredited search and rescue and emergency response personnel for preparatory and response activities.

BOARD POLICY

9. Watershed tour and education participants pursuant to an authorized Watershed Education Program.
10. Individuals or organizations conducting research projects who:
 - a) have GVWD staff approval of a detailed project proposal in advance of entry;
 - b) provide proof that the research is supported or sponsored by an accredited academic institution or senior government agency;
 - c) have appropriate scientific credentials or will be working under the direct supervision of an individual having those credentials; and,
 - d) provide proof of liability insurance in the amount of at least \$5.0 million insuring any activities undertaken in the watershed with the Greater Vancouver Water District and Greater Vancouver Regional District listed as additional insured.
11. Private or industry-based researchers provided they meet all conditions in section 10 above and the research is being undertaken on behalf of a not-for-profit organization pursuant to a provincial or federal funding program.
12. Archaeological research undertaken by or on behalf of a First Nation provided it meets the conditions of section 10(a), (c) and (d) above.

II. GVWD Board Approval of Watershed Access Requests

All requests for access that do not fall within Section I., Staff Approval of Watershed Access Requests, paragraphs 1 – 12 above, must be referred to the GVWD Board for consideration. Such requests must be submitted to Metro Vancouver at least 30 business days before the proposed entry date.

OBTAINING A WATERSHED ENTRY PERMIT

Following staff or GVWD Board review and approval of access requests, each individual associated with approved work or access is required to obtain a watershed entry permit and undergo a watershed orientation regarding individual responsibilities while working in the Watersheds. All permit applicants must agree in writing to conduct themselves in accordance with the *Watershed Regulations*. Violations of these responsibilities may result in staff revoking the violator's entry permit as well as denying future entry.

For brief (e.g. delivery driver) and/or one-time watershed entrants conducting utility or other business, or for tour groups, a Metro Vancouver staff member listed on the *Watershed Escort List* may accompany the entrant in lieu of the watershed orientation and entry permit.

~~WATERSHED ACCESS~~**WATER SUPPLY AREA ACCESS POLICY**
 Effective Date: ~~March 18, 2011 (revised February 24, 2017)~~ July 31, 2026

 Approved By: GVWD Board- _____ **Policy No. UT-021**
PURPOSE

The objectives of this Policy are to protect the ~~Watersheds~~, Water Supply Areas by limiting access to the ~~Watersheds~~ Greater Vancouver Water District lands in the upper Capilano, Seymour, and Coquitlam River watersheds, and to clarify the roles of Metro Vancouver staff and the Greater Vancouver Water District Board with respect to authorizing ~~watershed~~ access to these lands.

Access restrictions in this policy support Health Canada's guidance for Metro Vancouver to maintain a proactive, multi-barrier risk management approach for ensuring drinking water safety from source to tap, focusing on preventing contamination and risks to public health. Metro Vancouver is also bound by the terms of its 999-year leases with the province and by its Provincial water licences to protect the lands from wildfire and to limit activities to only those associated with water purveyance. Restricting access and carefully managing those with permitted access is a key method of protecting source water quality as it considerably limits the potential for point source contamination and human caused wildfires.

DEFINITIONS-

"Designated Metro Vancouver Staff" ~~for the purposes of approving watershed entry permits are those means those Watersheds and Environment divisional staff assigned the responsibility for watershed management, protection and control by the General Manager of the Water Supply Areas by the Director, Watersheds and Environment, Water Services.~~

"~~Watersheds~~ Access Permit" means ~~the restricted a permit issued by Designated Metro Vancouver Staff that authorizes an individual to access portions a Water Supply Area(s) for specified purposes and duration.~~

“Water Supply Area(s)” means those lands legally described and held by the Greater Vancouver Water District in fee simple for water supply purposes or leased under 999-year lease tenures granted by the Province of British Columbia to the Greater Vancouver Water District as a source of water supply, in the Capilano, River watershed, the Seymour River watershed, and the Coquitlam River drainage areas including the source water supply portions thereof watershed.

“Watershed Regulations” are the sanitary, pollution control, burning and general regulations of the GVWD provided to watershed entrants upon entry into drinking water supply areas.

“Water Supply Areas Protection Bylaw” means Greater Vancouver Water District Water Supply Areas Protection Bylaw No. 268, 2026, as amended from time to time.

POLICY

The principle of protecting GVWD Watersheds by restricting access is a fundamental component of ensuring high quality source water supply. A key strategy of Metro Vancouver’s Drinking Water Management Plan is to ensure that the region’s water supply system provides has multiple barriers of protection to prevent water contamination, starting with watershed protection. A critical form of protection from pollution and wildfire in the Water Supply Areas is to exclude human entry and activities to the greatest extent possible, while recognizing that regular operations and other valid reasons do exist for periodic entry into.

Access to the Watersheds for both internal Water Supply Areas is frequently required by Metro Vancouver employees, and external applicants requested by First Nations, consultants and contractors, other utilities with infrastructure located within or adjacent to the water supply areas, senior government employees, search and rescue personnel, and academic researchers.

PROCEDURE

Watershed access is routinely requested by Metro Vancouver employees, consultants and contractors, other utilities with infrastructure located within or adjacent to watershed lands, senior government employees, search and rescue personnel, First Nations and researchers proposing work within the Watersheds.

The Watershed This Water Supply Areas Access Policy provides clarity regarding the types of entries that staff access requests Designated Metro Vancouver Staff are authorized to approve consider as opposed to those that require referral to the GVWD Board for consideration.

Application

This policy guides not only staff, in terms of administering the policy, but any individual or organization seeking entry into the Watersheds.

CRITERIA FOR APPROVAL OF WATERSHED ACCESS REQUESTS REQUEST TYPES

All personnel entering the Watersheds require a watershed entry permit or escort by specifically authorized staff for the duration of their admittance.

I. Staff Approval of Watershed

1. Work Related Access Requests

~~Designated Metro Vancouver Staff have the authority to approve Watershed access requests based on the criteria set out below. Requests must be submitted at least 5 days before the desired entry for consideration by the Designated Metro Vancouver Staff.~~

Designated Metro Vancouver Staff may approve ~~access requests, for work solely within the Watersheds, from the~~ by individuals ~~or entities~~ for access to a Water Supply Area for the purposes set out below ~~that meet the criteria related to that individual or entity:~~

- ~~1.a)~~ Metro Vancouver's staff, consultants, and contractors ~~when they are~~ required to undertake approved programs within the Watersheds as part of their duties. work for Metro Vancouver within a Water Supply Area(s).
- ~~2.b)~~ BC Hydro and Fortis BC staff ~~and their~~, consultants, and contractors ~~for undertaking to undertake work on their utilities. Representatives in support of the provincial and federal governments who, in order to fulfill their duties, are required to gain access to the Watersheds. First Nation members when accessing their traditional territories for consultation with utility agencies or for the purposes of engaging in cultural activities and practices that do not harm the Watersheds' environment or source water quality, but which may include limited gathering of plant material for non-commercial purposes, but does not include hunting or fishing operations for BC Hydro and Fortis BC, respectively, within a Water Supply Area.~~
- ~~3.c)~~ GVWD Board ~~directors of~~ Directors, Water Committee members, member jurisdiction ~~council and committee members, and medical health officers when access is required as part of their councillors, and Medical Health Officers to fulfill responsibilities for~~ to their respective authorities in relation to the region's water supply.
- ~~4.d)~~ Accredited media representatives ~~on approved GVWD business when for activities approved through Metro Vancouver's External Relations review process. Media must be escorted by authorized GVWD personnel~~ Designated Metro Vancouver Staff.
- ~~5.e)~~ Fish hatchery staff and specialized ~~fisheries~~ fish and fish habitat personnel requiring access to ~~the Watersheds a~~ Water Supply Area(s) for GVWD ~~authorized fisheries~~ supported management activities.
- ~~6.f)~~ Accredited search and rescue and emergency response personnel for preparatory and response activities.-
- ~~7.g)~~ Watershed tour and education participants pursuant to ~~an authorized~~ the GVWD Board approved Watershed Education Program.-
- ~~a)h)~~ Individuals or organizations conducting research projects ~~who have GVWD staff approval of, including those working on behalf of not-for-profit organizations under provincial or federal funding programs, provided a detailed project research proposal has been submitted to and approved in advance of entry; by the Director Watersheds and Environment. The proponent must:~~

- b) i. provide proof ~~that~~ the research is supported or sponsored by an accredited academic institution or ~~senior by a municipal, provincial or federal~~ government agency; ~~have possess~~ appropriate scientific ~~credentials~~ qualifications or ~~will~~ be working under the direct supervision of an individual ~~having those credentials with such qualifications~~; and,
- c) ii. provide proof of liability insurance ~~in the amount of at least not less than \$5.0 million insuring any ,000,000 for~~ activities ~~undertaken in within~~ the ~~watershed with Water Supply Area(s), naming~~ the Greater Vancouver Water District and ~~GreaterMetro~~ Vancouver Regional District ~~listed as additional insured~~ insureds.
8. ~~Private or industry-based researchers provided they meet all conditions in section 10 above and the research is being undertaken on behalf of a not-for-profit organization pursuant to a provincial or federal funding program.~~

2. Indigenous Cultural Access Requests

The GVWD recognizes that access to traditional territories is essential to Indigenous cultural and spiritual well-being and that the GVWD Water Supply Areas may be part of that traditional territory. For activities that do not pose a risk to water quality, designated Metro Vancouver Staff may approve water supply area access for local First Nation members for the purposes set out below:

- a) Engaging with GVWD, other utility agencies or other orders of government.
- b) Engaging in land based cultural activities and practices, such as plant harvesting for medicinal, food or clothing purposes, bark stripping, ceremonial burns, smudging, prayer, etc. for non-commercial purposes.
- c) Archaeological research undertaken by, or on behalf of a First Nation within the Nation's traditional territory, provided ~~it meets~~ the individuals or entity meet the conditions of Section 1.
- h) ii. And iii. above and have the support of section 10 (all First Nations with interest in that Water Supply Area.
- 9-d) Undertaking activities coordinated by way of a), (c) and (d) above. Board endorsed Cultural Access Agreement.

3. ~~H-~~Access Requests Requiring GVWD Board Approval ~~of Watershed Access Requests~~

All ~~Any~~ requests for access that do not fall within Section 1, ~~Staff Approval of Watershed Access Requests, paragraphs 1 – 12 above, 1 and 2 above cannot be evaluated by designated Metro Vancouver Staff and~~ must be referred to the GVWD Board for consideration. ~~Such requests should be brought to the attention of the Director, Watersheds & Environment. Requests that move forward for consideration at a regular GVWD Board meeting will take a minimum of 90 days to be reviewed. Note that there are no GVWD Board meetings in August or December.~~

ACCESS REQUEST PROCESS (Section 1 & 2 Requests)

Every person entering a Water Supply Area under Section 1 and Section 2 must either:

- a) be in possession of an Access Card, or

- b) be escorted by a Metro Vancouver staff person as designated by the Superintendent, Watershed Protection, or
- c) have special arrangements approved by the Superintendent, Watershed Protection (for brief or one-time access, e.g. delivery drivers).

For access requests requiring multiple or ongoing entries, an access request form must be submitted to Metro Vancouver the Superintendent, Watershed Protection at least 30 business10 days before the proposed entryinitial desired access date.-

OBTAINING A WATERSHED ENTRY PERMIT

Following staff or GVWD Board review and approval of access requests, each

When a request for ongoing access to a Water Supply Area is approved for an individual associated with approved work or access is required to obtain a watershed entry permit and undergo a watershed, that individual must successfully complete an orientation regarding individual responsibilities while working in the Watersheds. All permit applicants must agree in writing to conduct themselves in accordance with the Watershed Regulations. Violations of these responsibilities may in the Water Supply Area(s) before an access card is issued and entry is allowed.

Every person entering a Water Supply Area (one-time or ongoing) is subject to the Water Supply Areas Protection Bylaw No. 268, 2026. Any contravention of the bylaw may, in addition to any penalty imposed under the bylaw, result in staffMetro Vancouver Designated Staff revoking the violator's entry permit as well as access and denying future entry. For brief (e.g. delivery driver) and/or one-time watershed entrants conducting utility or other business, or for tour groups, a Metro Vancouver staff member listed on the Watershed Escort List may accompany the entrant in lieu of the watershed orientation and entry permit. to the Water Supply Areas.

To: Water Committee

From: Linda Parkinson, Director, Policy, Planning, and Analysis, Water Services

Date: June 30, 2026

Meeting Date: July 15, 2026

Subject: **2026 Update on Water Sustainability Innovation Fund Projects**

RECOMMENDATION

THAT the Water Committee receive for information the report dated June 30, 2026, titled “2026 Update on Water Sustainability Innovation Fund Projects”.

EXECUTIVE SUMMARY

This report provides an update on 20 projects that received Board-approved contributions from the Water Sustainability Innovation Fund (WSIF) and are currently in-progress or have been completed or discontinued since the last update to the designated Standing Committee, in June of 2025.

Projects receiving funding support regional sustainability, protect the environment, advance resilience, and continuously improve service delivery by allowing Metro Vancouver to explore and implement innovative approaches, and respond to emerging issues and evolving best practices. Of the 20 projects mentioned in this report, five have been recently completed, one is on hold, and 14 are in progress, with three of those nearing completion. WSIF projects in progress include the assessment of emerging contaminants; enhancements to water supply monitoring; development of early earthquake warning systems; and modernization of hydrological and hydraulic analytical processes.

PURPOSE

To provide the Water Committee with an update on projects funded by the Water Sustainability Innovation Fund that are currently in progress or that have been completed or discontinued since the last annual update to this Committee.

BACKGROUND

The Sustainability Innovation Fund program (**Reference 1**) supports regional sustainability and drives continuous improvement in the delivery of Metro Vancouver services by supporting projects that reduce emissions, protect the environment, and advance resilience. The Regional District, Water, and Liquid Waste Sustainability Innovation Funds have been in place since October 29, 2004, when the Greater Vancouver Regional District (GVRD), Greater Vancouver Water District (GVWD), and Greater Vancouver Sewerage and Drainage District (GVS&DD) Boards, respectively, approved their creation. In 2014, policies to guide and manage the Sustainability Innovation Funds were adopted by the respective Boards, with amendments in 2016 and 2021. The policies require that the designated Standing Committee be kept updated on the deliverables, outcomes, and measurable benefits of the projects that have received funding. Projects funded wholly or in part by the Sustainability Innovation Fund program have been undertaken by Metro Vancouver in coordination with project partners since 2015.

Annually, Metro Vancouver staff submit applications for project funding, which are approved by the respective Standing Committees and Boards. The amount dispersed from the Sustainability Innovation Funds in any year is at the discretion of the respective Boards and depends on the merit of proposals submitted. Additionally, many projects amplify the financial contributions from the Sustainability

Innovation Fund by leveraging external funding through partnerships, such as with the region's academic institutions.

At its February 21, 2025, meeting, the Metro Vancouver Regional District (MVRD) Board re-affirmed support for the Sustainability Innovation Fund program. The GVWD Board is responsible for overseeing the Water Sustainability Innovation Fund and reviewing/approving funding for projects from the Water Services department. The Water Committee is responsible for reviewing Water Sustainability Innovation Fund applications and making recommendations to the GVWD Board. The Water Committee also receives annual updates on in progress or recently completed projects.

STATUS OF WATER SUSTAINABILITY INNOVATION PROJECTS - 2026 UPDATE

From 2015 to 2025, the Water Sustainability Innovation Fund contributed to a total of 35 projects. Of these projects, 17 have been completed, 14 are in progress, one is on hold, and three have been discontinued. Of the 14 projects that are in progress, three are nearing completion, and are expected to be completed by the end of 2026.

This report provides an update on 20 projects that have received funding and are currently in progress or that have not yet been reported as complete or discontinued.

Updates on other Sustainability Innovation Fund projects are being provided to the relevant Standing Committees.

Table 1 below provides an update on project status and financial information while a detailed update on each of the 20 projects, including a summary of the work, trajectory to completion, project outcomes to date, and impact for the organization/region, can be found in **Attachment 1**.

Table 1. Summary of Water Sustainability Innovation Fund Projects – 2026 Update

Project	Total Funding Approved	Estimated Spent (as of March 31, 2026)	Status
2019 Approval Year			
Treating Emerging Contaminants at the Seymour Capilano Filtration Plant	\$300,000	\$238,000	Nearing Completion
2020 Approval Year			
UV Transmittance Analyzers for Continuous Monitoring of Disinfection By-Products	\$500,000	\$110,000	In Progress
2021 Approval Year			
Building Information Modeling (BIM): Transforming Utilities Information Management	\$800,000	\$566,907	Complete
Microplastics Study in Source Waters and Water Treatment	\$150,000	\$150,000	In Progress
Visual Documentation of Key Water Services Infrastructure (BIM Phase 2)	\$800,000	\$121	In Progress
2022 Approval Year			
10-year Salmon Enhancement Action Plan	\$180,000	\$141,000	Complete
Hydrological Models for the Capilano and Seymour Watersheds	\$750,000	\$372,286	In Progress

2026 Update on Water Sustainability Innovation Fund Projects

Water Committee Regular Meeting Date: July 15, 2026

Page 3 of 4

Project	Total Funding Approved	Estimated Spent (as of March 31, 2026)	Status
Digital Transformation of Water Transmission System Planning & Analysis	\$950,000	\$337,720	In Progress
Feasibility Study to Optimize Transmission System Energy Use	\$350,000	\$0	On Hold
Regional Equity and Affordability of Drinking Water	\$550,000	\$153,000	In Progress
New Technology for the Determination of Enterococci in Recreational Water to Enhance Public Safety	\$200,000	\$193,677	Complete
2023 Approval Year			
Next Generation Snowpack Monitoring – Phase 3	\$450,000	\$331,988	Complete
Studying the Preliminary Feasibility of Green Hydrogen Production from Hydropower at Cleveland Dam (Green Hydrogen Project)	\$250,000	\$260,011	Complete
Evaluation of Biofiltration at the Seymour Capilano Filtration Plant	\$300,000	\$39,915	Nearing Completion*
Reducing Oxygen Use and Increasing Resiliency at the Coquitlam Water Treatment Plant	\$150,000	\$35,720	In Progress
Building the Next Generation of Seasonal Water Supply & Demand Planning	\$550,000	\$104,160	In Progress
2024 Approval Year			
Expansion of the Earthquake Early Warning (EEW) & Structural Health Monitoring (SHM) Systems	\$1,000,000	\$402,633	In Progress
2025 Approval Year			
Integrating Natural Assets into Water Services' Asset Management Program	\$300,000	\$0	In Progress
Evaluating Agricultural Water Demands in the Metro Vancouver Region	\$350,000	\$0	In Progress
Quantifying Climate Change Impact on Dam Safety – A Case Study	\$500,000	\$0	In Progress
TOTAL	\$9,380,000	\$3,015,130	

* Project expected to be complete by the end of 2026

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

The projects summarized in this report received funding from the Water Sustainability Innovation Fund as approved by the GVWD Board between 2019 and 2025. Disbursals of funds were made in accordance with the related Policy that governs the use and management of the Fund. Table 1 above outlines the funding approved and the estimated amount spent to March 31, 2026, for each project.

As of December 31, 2025, the estimated reserve balance of the Water Sustainability Innovation Fund was approximately \$16 million. Of this, approximately \$5.9 million in Board-approved funding is committed to be spent on currently in-progress projects across Water Services. Any unspent funds from completed or discontinued projects are maintained in the Regional District Sustainability Innovation Fund reserve.

OTHER IMPLICATIONS

The Sustainability Innovation Fund program provides support for piloting leading edge technologies at a regional scale. This presents the opportunity for Metro Vancouver to collaborate with member jurisdictions, First Nations, and other government and academic entities to advance shared priorities in sustainability and innovative service delivery. This kind of collaboration allows for certain economies of scale and cross-municipal efficiencies that would not otherwise be possible. Furthermore, the Sustainability Innovation Fund program offers the opportunity to engage meaningfully with First Nations on issues of shared interest, aligning with the *Board Strategic Plan* priority of reconciliation. Taken together, these opportunities allow Metro Vancouver to benefit from improved service delivery and continue to build relationships.

This report does not contemplate the Other Implications of specific Water Sustainability Innovation Fund projects. Those implications are considered when each project is brought forward to the GVWD Board for approval.

CONCLUSION

This report provides an update on 20 projects funded under the Water Sustainability Innovation Fund that are currently in progress or have been completed or discontinued since the last update to the designated Standing Committee. The results and findings from these projects will be used to drive continuous improvement in the delivery of Metro Vancouver's services.

ATTACHMENT

1. "2026 Status Update on Current Water Sustainability Innovation Fund Projects", dated June 30, 2026.

REFERENCE

1. Metro Vancouver. (2026). *Sustainability Innovation Fund*. Retrieved from <https://metrovancover.org/about-us/sustainability-innovation-fund>

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June 30, 2026

2026 Status Update on Current Water Sustainability Innovation Fund Projects

2019 APPROVAL YEAR

1. Treating Emerging Contaminants at the Seymour Capilano Filtration Plant

Status: Nearing completion

Years active: 2019 – 2026

Overview

This project utilizes consulting engineering services to assess and study current and future emerging contaminants at the Seymour Capilano Filtration Plant (SCFP) over two project phases.

In Phase 1, a desktop literature survey was conducted to develop a comprehensive understanding of potential future contaminants in source water, assess existing treatment processes, and evaluate best practices for managing contaminants of emerging concern.

Phase 2 was initially proposed to include pilot testing on a selection of the highest-risk contaminants. However, it was subsequently revised to focus on the development of conceptual designs for treatment options including associated cost estimates.

Outcomes to Date

- Phase 1 was completed in the first quarter of 2023, with two successful workshops and final technical memorandums on the literature survey and treatability assessment. These reports assessed the risks of different emerging contaminants on treatment operations at the SCFP, and to source and drinking water quality. The assessments helped determine the SCFP's ability to treat the highest-risk contaminants, mainly those from natural watershed disturbances.
- The recommendations from Phase 1 include potential facility improvements, operational enhancements, and capital improvements to manage these risks with several treatment strategies.
- Phase 2 began in early 2024 with a revised scope and was completed in the first quarter of 2026, with two technical memorandums on recommended treatment strategies and options for SCFP, one technical workshop held in May 2025 to help select treatment options and proposed facility improvements, and a final sealed report submitted to Metro Vancouver.
- In Phase 1, emerging contaminants in SCFP raw water were evaluated across multiple categories, including taste and odour compounds. Based on historical raw water chemistry and watershed data, these compounds were assessed as posing relatively low risk compared to other contaminant groups.
- However, elevated levels of certain taste and odour compounds were observed at the Seymour source in October 2025, resulting in public complaints and prompting a coordinated operational and communications response.
- Given that taste and odour compounds were already within the scope of the study, a high-level review of potential treatment options is being considered as a natural extension of the existing project and is seen as both relevant and aligned with the original project objectives.

The intent is to build on the study's technical findings and framework to further evaluate mitigation approaches.

Next Steps

Phase 1 and Phase 2 were successfully completed in the first quarters of 2023 and 2026, respectively. A related scope of work stemming from the Phase 2 results are currently being explored. Internal discussions are underway to determine whether this additional scope will proceed or if the project can be formally closed, with a decision expected by end of 2026.

2020 APPROVAL YEAR

1. UV Transmittance Analyzers for Continuous Monitoring of Disinfection By-Products

Status: In Progress

Years active: 2020 – 2026

Overview

Through consulting engineering services, this two-phase project evaluates and utilizes multi-spectrum UV visible analyzers for continuous monitoring of disinfection by-products (DBPs) at the Coquitlam Water Treatment Plant (CWTP) and, if needed, at various locations in the transmission system.

Phase 1 includes a literature survey and desktop analysis of the data collected over a one-year period. Data collected using UV visible analyzers is expected to support the implementation of DBP prediction models, enabling optimization of sodium hypochlorite and ozone dosing at CWTP and thereby minimizing the formation of DBPs in the drinking water transmission system.

Outcomes to Date

- The consultant completed the evaluation of the multi-spectrum UV visible analyzers, and an instrument was selected, procured, and installed at the CWTP in the second quarter of 2023.
- The project team reviewed the original scope and deliverables and updated the original data collection and implementation plan, which was executed with continuous monitoring and testing from end of 2023 through 2025.
- Three technical memorandums were completed including the literature review, equipment evaluation, and preliminary data review, and a workshop was held in March 2025 to outline the results and findings.
- The Phase 1 final report was submitted, marking the completion of Phase 1 in the first quarter of 2026.

Next Steps

Phase 1 of the project was completed in early 2026. Next step is to hold discussions with Water Services Operations and Maintenance staff to assess whether there is organizational benefit in pursuing further studies on this topic.

2021 APPROVAL YEAR

1. Building Information Modeling (BIM): Transforming Utilities Information Management

Status: Complete

Years active: 2021 – 2025

Overview

‘Building Information Modeling (BIM) is the process of designing, constructing or operating a building or infrastructure assets using object-oriented design.’ (British Standards Institute, 2013) This project explores and advances the potential of BIM for Metro Vancouver utilities, including Water Services, Liquid Waste Services, Project Delivery, and Corporate Services, using consulting engineering services. An earlier review of BIM and its benefits for utilities showed tangible efficiencies and cost reductions over the long term. The project will be completed in three phases, each stage-gated for review and approval through separate SIF applications.

The three-phased BIM initiative is a transformative digital data journey for the utilities that started in 2021. Phase 1, BIM: Transforming Utilities Information Management, introduces BIM standards and associated tools and training (capacity building) for Metro Vancouver vertical infrastructure projects.

Phase 2, Visual Documentation of Key Water Services Infrastructure, builds the BIM data management platform and enables the utilization of BIM standards and tools in-house throughout the project lifecycle, including effecting proper exchange and review of 3D models with consultants engaged on the delivery of infrastructure projects.

The final Phase 3 project, yet to be fully scoped and approved, pilots a Digital Twin environment that explores integration with Enterprise Asset Management (EAM), GIS and other corporate systems to optimize infrastructure management, including planning, performance benchmarking, asset management, and business intelligence.

Outcomes to Date

- Consulting engineering services for Phase 1 were procured in 2021.
- Standards and process development and adoption are complete.
- Initial training of Metro Vancouver staff on the use of BIM tools was completed.
- Consulting community awareness on new standards and processes was also completed.
- Project teams have already started utilizing these new Metro Vancouver BIM standards for major projects such as the Northwest Langley and Iona Island Wastewater Treatment Plant Upgrades projects.

Next Steps

Phase 1 was completed in early 2025. Phase 2 will build on the BIM Phase 1 project and will be completed under the Visual Documentation of Key Water Services Infrastructure project (WSIF 2021), which had been put on hold until Phase 1 was complete.

2. Visual Documentation of Key Water Services Infrastructure

Status: In progress (On Hold 2021 -2025)

Years active: 2021 – Present

Overview

This project aims to create a pilot visual database, a Building Information Model (BIM) Common Data Environment (CDE), capable of hosting critical components of Metro Vancouver's drinking water infrastructure. These hosted models of the infrastructure are used to improve access to information, support better decision-making, and enhance service delivery across the region.

The CDE, together with companion laser scanning tools, offers a range of potential benefits by enabling the creation and hosting of 3D virtual models of both existing and proposed infrastructure, including:

- 360° site walk-throughs that allow for remote management and visualization;
- Measurable 2D and 3D images that document existing conditions; and
- Accurate and representative floorplans of scanned infrastructure.

By establishing the CDE, this project aims to enhance organizational capabilities, including providing access to visual tools that support collaboration during projects and maintenance activities, enabling remote access to facility information, and expanding in-house capacity to conduct laser scanning of existing facilities.

An accurate inventory of Metro Vancouver's infrastructure is crucial for effective asset management and informed decision-making related to future development.

Outcomes to Date

- This project was contingent on the development of BIM standards and supporting infrastructure from the BIM: Transforming Utilities Information Management Phase 1 (WSIF 2021) project. The starting date was deferred to ensure strategic alignment and value, and to avoid duplication and rework.
- With the required elements now in place from the completion of the BIM: Transforming Utilities Information Management Phase 1 (WSIF 2021) project, work for this project will now proceed to implement the elements required to build the 3D environment.
- This project is now considered Phase 2 of the larger BIM initiative. Phase 2 requirements have been reviewed, and the project scope has been recast to fit the framework that has been built through Phase 1, in alignment with the new BIM standards.

Next Steps

The target completion timeline for this project is by mid-2028.

3. Microplastics Study in Source Waters and Water Treatment

Status: In progress

Years active: 2021 – Present

Overview

This study was originally proposed to evaluate the presence and concentration of microplastics in Metro Vancouver's source water reservoirs (Capilano, Seymour, and Coquitlam), treatment residuals from the Seymour Capilano Filtration Plant (SCFP), and within the water treatment process at both SCFP and the

Coquitlam Water Treatment Plant (CWTP); however, the project scope has been revised several times as new research and regulatory information around microplastics testing became available. In addition, the [WSIF 2019] project “*Treating Emerging Contaminants at the Seymour Capilano Filtration Plant*” did not identify microplastics as a concern for Metro Vancouver.

Since 2021, sampling and testing methodologies and polymer characterization technologies have reached an acceptable standard across this developing field of research. Due to potential sensitivity, evolving practices, and limited industry expertise in this area, Metro Vancouver has opted to participate in a tailored collaboration with three other utilities through the Water Research Foundation, led by a subject matter expert who will provide advisory and scientific support to the project team. The project will focus most of its investigation on the prevalence of microplastics in distribution systems and will include raw and treated water sampling. This work could potentially inform standard and regulatory development in years to come.

Outcomes to Date

- A tailored collaboration proposal was successful with the Water Research Foundation by end of 2024.
- An agreement with the Water Research Foundation was executed and the study started in the third quarter of 2025.
- Three other North American utilities with varying drinking water sources and treatment systems are participating. With protected water supply areas, the expectation is that Metro Vancouver’s system will provide reliable baseline results that can be compared to the findings from other systems.
- The tailored collaboration project will leverage close to US \$200,000 of external funding and utilize innovative and leading-edge research, methods, and subject expertise from the University of Toronto Drinking Water Research Group.

Next Steps

Sampling in the Metro Vancouver region will likely take place in early 2027. The outcomes will provide valuable information for Metro Vancouver to make critical decisions in the future with the strategic and operational goal of ensuring a reliable and safe drinking water supply. The project is expected to conclude by end of 2027.

2022 APPROVAL YEAR

1. 10-year Salmon Enhancement Action Plan

Status: Complete

Years Active: 2022 – 2026

Overview

The project scope involves developing a 10-year Salmon Enhancement Action Plan for Metro Vancouver, intended to provide a consolidated and strategic list of potential salmon enhancement activities. These initiatives are identified to maximize salmon populations and increase salmon viability, particularly in areas influenced by Metro Vancouver operations, as opportunities allowed.

A foundational component of the project is the early and ongoing involvement of First Nations ensuring that their perspectives, knowledge, and priorities help shape the scope and direction of the plan.

Engagement with Metro Vancouver member jurisdictions and salmon-focused agencies and organizations throughout the process is also intended to support a coordinated and informed approach to salmon enhancement.

Outcomes to Date

- Engagement workshops with First Nations, member municipalities and salmon-focused organizations were completed.
- The consultant team, with assistance from internal project team members, compiled workshop results and categorized the input broadly into areas within and outside of Metro Vancouver's scope of operations.
- Project deliverables and scope were reduced to meet budget constraints.
- A project summary memorandum, accompanied by in-scope and out-of-scope opportunities, was circulated to Metro Vancouver staff as a resource to support the integration of salmon enhancement and restoration opportunities and considerations into future capital project planning.
- The final report is complete, marking the completion of the SIF project in June 2026.

Next Steps

This project concluded in June 2026.

2. Hydrological Models for the Capilano and Seymour Watersheds

Status: In progress

Years active: 2022 – Present

Overview

This project utilizes specialized consulting engineering services and embraces the latest advances in data science and model development to build and calibrate integrated, in-house hydrological models for Metro Vancouver's watersheds, supporting improved management of this valuable water resource.

These models help predict reservoir inflows, generate forecasts using real-time data, support source water supply planning, monitor long-term climate change scenarios, and inform key decision-making related to watershed management. They also enhance productivity and efficiency of watershed management and hydrological analysis by bringing together key functions related to how water is generated, moves through the watershed, and is managed—such as precipitation, snowmelt, reservoir operations, forecasting, and reporting—into a unified framework.

This project initially focused on the Capilano and Seymour water supply areas; however, the scope was subsequently expanded to include the Coquitlam watershed.

Outcomes to Date

- The Coquitlam water supply area has been added to the scope within the approved budget, and a Non-Disclosure Agreement was executed with BC Hydro to share their reservoir operation data.
- The selected modelling software was used for building the semi-distributed hydrological models (models that balance simplicity and detail by grouping similar areas within a watershed) for the three watersheds. Model calibration and validation is done.
- A total of three hydrological models were developed for each of the three Metro Vancouver watersheds.
- The consultant has provided technical memorandums with climate change-induced future flows using the updated models for reservoir inflows, forecasting up to and including 2055 and 2085.

- A hydrological advisor was retained to provide guidance on developing an inflow forecasting model for Capilano and the Seymour reservoirs using these new hydrological models and specialized software.
- The project is also investigating how to integrate BC Hydro's existing forecasting model for the Coquitlam watershed with these new models to establish a unified forecasting platform. Alternatively, forecasted volumes from the Coquitlam Reservoir could be added to the MV's forecast model.
- A total of four technical sessions on "Methodology for Inflow Forecasting System Development" with Metro Vancouver Water Services staff were held in the first half of 2026, to identify the best options for Metro Vancouver.

Next Steps

The project will continue to update the hydrological models for all three Metro Vancouver water supply areas, after which they will be integrated with the existing 1D- hydraulic models. Then, the hydrologic and hydraulic models will be integrated in the Inflow-Outflow forecasting platform (via MIKE OPERATION software) in early 2027. A technical workshop on "Inflow Forecasting System Development" is planned to inform MV management about the proposed methodology and forecasting objectives by end of 2026.

3. Digital Transformation of Water Transmission System Planning & Analysis

Status: In progress

Years active: 2022 – Present

Overview

This project aims to develop an up-to-date water transmission model using the newly adopted InfoWater Pro software. It will address deficiencies in existing models and ensure the new model meets and exceeds current industry standards for infrastructure planning and operational decision support.

This project is broken into two parts, each delivering critical components needed to establish the Smart Water Network, a digitally enabled, data-driven water system that combines hydraulic modelling, real-time monitoring, and analytics to support smarter planning and operations:

- Phase 1 – development of an up-to-date regional water transmission model in InfoWater Pro
- Phase 2 – deployment of a Data Analysis Platform (DAP) to integrate historical and live data with the new modelling software, enabling time-series data visualization and aggregation, current and predictive analyses, and the development of dashboards, KPIs, and real-time alerts.

Enabling the water model to access and process real-time data will substantially improve the accuracy of modelled predictions under varying future scenarios, resulting in process excellence, risk reduction, and informed decision-making in Metro Vancouver's water planning, operations, and maintenance teams on a daily, mid-term, and long-term basis.

Outcomes to Date

- The consultant completed Phase 1 in the first quarter of 2025, including the development of the Regional Water Transmission Model with steady state and extended period simulation calibration and delivery of the final report for Phase 1.
- Three training sessions on the transmission model have been completed.

- Phase 1 outcomes will inform the Digital Twinning model development. At the same time, it will inform the *Feasibility Study to Optimize Transmission System Energy Use* project (WSIF 2022) that is currently on hold.

Next Steps

A review will be completed to determine whether sufficient instrumentation is in place to support digital twinning of the transmission system. The findings will inform any additional instrumentation requirements, as well as the expected timelines for Phase 2 of the project.

In Phase 2, a DAP will be deployed and integrated with the transmission model developed in Phase 1. Pending the results of the review, Phase 2 is anticipated to extend through 2027, with subsequent digital twin development commencing in 2028.

4. Feasibility Study to Optimize Transmission System Energy Use

Status: On hold

Years Active: 2022

Overview

Consultant engineering services are required for this two-phased project. Phase 1 will investigate options to reduce Metro Vancouver's electricity purchases from BC Hydro and overall energy consumption by optimizing the water transmission system operations. Phase 2 will examine alternative, lower-carbon energy sources to power high-energy-demand operations and develop the business case for implementing these innovative solutions.

This project is currently on hold and will resume once sufficient progress has been made on the *Digital Transformation of Water Transmission System Planning & Analysis project* (WSIF 2022), including completion of the water transmission model. The scope of services will be reassessed when the project resumes to ensure the most current and relevant information is incorporated to achieve the project objectives.

Outcomes to Date

On Hold

Next Steps

On Hold

5. Regional Equity and Affordability of Drinking Water

Status: In progress

Years active: 2022 – Present

Overview

This project supports the goal of ensuring that the regional drinking water supply remains sustainable, equitable, and affordable amid the challenges of rising utility and household costs, post-pandemic recovery, and ongoing climate and demographic changes.

The project aims to identify opportunities to enhance the local affordability and equity of drinking water services.

Outcomes to Date

- A consultant was engaged to carry out an environmental scan and provide recommendations for further consideration in scope development. This work was completed in December 2023.
- Based on these recommendations, as well as direct requests from the Regional Engineers Advisory Committee – Water Sub-Committee (REAC WSC) members, the *Member Water Rate Structure Affordability Study* has been undertaken to investigate the following:
 - Existing retail water rate structures, policies, and processes; water billing and collection efficacy; affordability practices and policies; income-related demographic and household data; and identification of common issues, trends, gaps, and areas for improvement.
 - Issues related to water equity and/or affordability at the member level, including whether an assistance policy or program is needed for low- and fixed-income households.
 - Case studies of similar jurisdictions with established affordability programs to identify best practices, lessons learned, and potential affordability programs for further consideration by members.
- The *Member Water Rate Structure Affordability Study* was completed in June 2026, marked by a presentation of findings to participating members of the study and distribution of the final study report to all members at advisory committee level.
- A *Regional Water Rate Structure Evaluation* will also be undertaken to explore different rate structures that may be feasible within the Metro Vancouver regional context. Scoping and development of this study is expected to begin in fall of 2026.

Next Steps

The *Regional Water Rate Structure Evaluation* study is currently in the scoping stage and is expected to commence in fall of 2026. Based on the evaluation findings, further studies or engagement activities may be required.

6. New Technology for the Determination of Enterococci in Recreational Water to Enhance Public Safety

Status: Complete

Years active: 2022 – 2026

Overview

This project was initially titled *New Technology for the Determination of E. coli in Recreational Water to Enhance Public Safety*.

Following the release of the 2022 draft Health Canada *Guidelines for Canadian Recreational Water Quality*, which now include the qPCR method for enterococci, the project focus shifted to method development for enterococci rather than *Escherichia coli* (*E. coli*) as was originally planned. Accordingly, the project title has been amended to *New Technology for the Determination of Enterococci in Recreational Water to Enhance Public Safety*.

Outcomes to Date

- The British Columbia Centre for Disease Control (BCCDC) was sole sourced to evaluate, test, verify, and optimize the new molecular testing methods.
- The BCCDC completed the literature review, detailed method development, and method optimization studies.

- A sampling and analysis plan was developed for 2024, and trials were completed between April and September.
- The project was staged over two years and the BCCDC provided a final report in April 2026, marking the project's completion.

Next Steps

The project was completed in the second quarter of 2026.

2023 APPROVAL YEAR

1. Next Generation Snowpack Monitoring – Phase 3

Status: Complete

Years active: 2023 – 2025

Overview

The goal of this project was to implement the tools and analytical methods developed during the completed research and development phases of the *Next Generation Snowpack Monitoring* project (Phases 1 and 2, completed in 2021 and 2023 respectively). In this third phase, LiDAR-derived snow depth and snow water equivalent (SWE) products are produced within one week of data acquisition. These products will be used to guide operational water supply planning.

Outcomes to Date

- Three LiDAR snow surveys were completed in 2023 in the Seymour watershed.
- Three LiDAR snow surveys were completed in 2024 and in 2025, covering the Capilano and Seymour Watersheds.
- A LiDAR-drone survey of the Loch Lomond basin in the Seymour watershed has been completed.
- A three-year contract with a consultant was signed for 2023 to 2026 for satellite snow monitoring. These products are being used operationally and are incorporated into snow survey reports.
- New snow sensors have been installed at weather stations to provide real-time data and validate remote sensing data.

This project used an innovative and comprehensive approach to snowpack monitoring in the water supply areas. It also improved the understanding of snowpack distribution and melt timing in the WSAs. Data generated from the project was used to enhance snow survey reporting, and long-range streamflow predictions. Some of the products developed during this project are now used operationally and Phase 3 is now complete.

Next Steps

Additional LiDAR snow surveys have been completed in 2026 to supplement snowpack monitoring during an exceptionally low snowpack year. These surveys are covered by operational budgets.

2. Studying the Preliminary Feasibility of Green Hydrogen Production from Hydropower at Cleveland Dam (Green Hydrogen Project)

Status: Complete

Years active: 2023 – 2026

Overview

In 2021, an options analysis was completed for the *Cleveland Dam Downstream Fish Passage and Hydropower Project* (CLD Project 2021). This analysis examined potential hydropower generation and downstream fish passage options at Cleveland Dam (CLD), with the objective of improving downstream fish passage from Capilano Reservoir to Capilano River. The study did not identify a fiscally responsible end use for hydropower and the potential sale of power to BC Hydro was only considered after 2030.

The Green Hydrogen Project is a preliminary feasibility study of green hydrogen production using hydropower at Cleveland Dam. It investigates the production of hydrogen and oxygen via electrolysis at CLD using hydropower and explores their market potential in the region. It also includes a business case assessment to help determine whether green hydrogen production can improve the business case for hydropower generation and downstream fish passage.

Metro Vancouver will further its understanding of the potential sustainable end uses for hydropower power that can be produced at the CLD through this project.

Outcomes to Date

- Procurement of a consultant was completed and the project commenced in early 2024.
- Three detailed technical memorandums were completed:
 - Green Hydrogen Literature Review, Resource Mapping and Market Scan
 - Green Hydrogen Production and Distribution Options and Pathway Analysis
 - Benefits, Challenges, Triple Bottom Line, & Costing Analysis
- The final summary report was received in April 2026, marking the completion of the Green Hydrogen Project.

Next Steps

The project was completed in April 2026.

3. Evaluation of Biofiltration at the Seymour Capilano Filtration Plant

Status: Nearing Completion

Years active: 2023 – Present

Overview

This project evaluates the implementation of biofiltration at Seymour Capilano Filtration Plant (SCFP) through desktop reviews and a full-scale biofiltration demonstration study. Biofiltration has the potential to provide multiple benefits to drinking water treatment, including improved finished drinking water quality, filter operation, and chlorine residual stability, as well as reduced chemical costs and distribution flushing requirements.

The project will be delivered in two stage-gated phases. Phase 1 evaluates the feasibility of biofiltration and test planning, and Phase 2 implements a full-scale demonstration trial at the plant, contingent on Phase 1 confirming sufficient overall benefits to proceed.

Outcomes to Date

- A subject matter expert identified by the Water Research Foundation has been contracted to provide research and scientific advisory support during the project. The expert has recent relevant experience in introducing biofiltration at a fully operational plant.
- Phase 1 feasibility work is nearing completion, including site visit data collection and desktop assessment. A draft feasibility report has been prepared and reviewed internally, with feedback provided by Operations and Maintenance (O&M).
- Based on current findings, O&M has identified limited benefits in proceeding to full scale or pilot testing.

Next Steps

The consultant will revise and finalize the feasibility report based on internal feedback. Based on current findings and O&M input, staff propose to close the project following completion of the report rather than proceeding to Phase 2 demonstration testing.

Major stakeholders and subject matter experts will reconvene after the final Phase 1 report is issued to discuss path forward. The project is expected to be completed by end of 2026 with recommendations provided either for or against long-term implementation of biofiltration at the SCFP.

4. Reducing Oxygen Use and Increasing Resiliency at the Coquitlam Water Treatment Plant

Status: In Progress

Years active: 2023 – Present

Overview

This project evaluates the application of on-site oxygen generation and oxygen recovery systems and considers their optimal implementation at the Coquitlam Water Treatment Plant (CWTP). These commercially available technologies have the potential to reduce reliance on cross-border oxygen suppliers by enabling on-site oxygen generation and increasing recovery and reuse of oxygen within the treatment process.

Potential benefits include increased system resilience, reduced chemical consumption and operating costs, lower transportation-related emissions, and mitigation of supply chain vulnerabilities.

Outcomes to Date

- A consultant has been engaged, and a design-basis memorandum has been completed.
- A final draft report is expected by mid-2026.

Next Steps

The consultant will proceed with a detailed analysis and technical feasibility assessment of the selected and recommended option and prepare a technical memorandum. The study will consider technology maturity, effectiveness, operational complexity, life cycle costs (including ongoing maintenance), and the anticipated payback period based on high-level cost estimates.

The project is expected to be completed by early 2027.

5. Building the Next Generation of Seasonal Water Supply & Demand Planning

Status: In Progress

Years active: 2023 – Present

Overview

This project intends to update the tools used to manage the seasonal drinking water supply and develop tools to improve communication with the public on the status of the water supply during the high-demand season. Consultant engineering services are required for this two-phased project.

Phase 1 aims to update Metro Vancouver's Decision Support System (DSS) Model to align with current industry standards. The current Excel-based DSS Model is used to plan the management of the drinking water supply through the annual high demand period (May 1 and October 15). The updated model is expected to improve this process using modern modelling software, together with new reservoir inflow and seasonal demand projection models.

Phase 2 of the project focuses on the development of a Drinking Water Stress Index (DWSI) based on outputs from the updated DSS model from Phase 1. The DWSI is intended to inform member jurisdictions and the public of the water supply condition throughout the high-demand period through a public-facing webpage on the Metro Vancouver website. The DWSI will also support transparent decision-making for Drinking Water Conservation Plan (DWCP) water restrictions and enhance their implementation.

Outcomes to Date

- Phase 1: Updating the DSS model
 - A project charter has been drafted for review and approval.
 - Extensive research work was completed to develop the project scope of work.
- Phase 2: Creation of DWSI
 - Metro Vancouver's Reservoir Levels and Water Use webpage was launched in May 2025. The webpage lays the groundwork for the ultimate DWSI dashboard and public interface.
 - Audience research testing on the webpage was conducted in early 2026 and the consultant report was submitted in April 2026.

Next Steps

- Phase 1: Updating the DSS model
 - Procurement of a consultant for software selection is expected in fall of 2026.
 - Procurement of a consultant to develop a seasonal demand model is expected in late 2026.
- Phase 2: Creation of a DWSI
 - The dashboard design will be reviewed and updated in late 2026 based on audience research testing results.

2024 APPROVAL YEAR

1. Expansion of the Earthquake Early Warning (EEW) & Structural Health Monitoring (SHM) Systems

Status: In Progress

Years active: 2024 – Present

Overview

Building on the success of the “*Earthquake Early Warning (EEW) and Structural Health Monitoring (SHM) Pilot*” project (WSIF 2020), this expansion project aims to complete regional coverage of the EEW sensor network. It enhances early warning capabilities, enables automated, EEW-generated earthquake damage mitigation actions at additional critical water facilities, and includes the addition of SHM sensors at the Coquitlam Water Treatment Plant (CWTP) and the Lake City Operations Centre (LCOC) to enable immediate post-earthquake damage assessment at these sites.

The benefits of an expanded system include increasing staff safety and allowing some automated actions to reduce water loss and mitigate damage. Overall, the expanded and more reliable EEW system strengthens the resiliency of the water supply system.

Outcomes to Date

- Planning for the work was completed by mid-2024 and the supporting vendor contract was set up at the end of 2024.
- The implementation of the expansion system is progressing well and the SHM sensors at CWTP and LCOC are in place and undergoing testing.

Next Steps

The project is underway and is on track for final commissioning in early 2027.

2025 APPROVAL YEAR

1. Integrating Natural Assets into Water Services’ Asset Management Program

Status: In Progress

Years active: 2025 - Present

Overview

Natural assets provide a range of ecosystem services such as supporting drinking water quality, protecting and maintaining regional environmental health, enhancing climate resiliency, and contributing to overall livability. This project aims to advance natural asset management in the Metro Vancouver region by integrating the natural assets in the Capilano, Seymour, and Coquitlam Water Supply Areas and Lower Seymour Conservation Reserve into the existing Water Services’ Asset Management Program.

Key components of this project will be executed in three phases.

- Phase 1: create an inventory of natural assets within the water supply areas and conduct condition and risk assessments.
- Phase 2: complete an economic valuation of the priority ecosystem services provided to the region by these natural assets.
- Phase 3: apply the information obtained from Phases 1 and 2 to operationalize natural assets management within Water Services’ Asset Management Program.

The overarching goal is to support the protection and long-term sustainability of these assets. This work contributes to the growing body of knowledge on natural asset management, with a specific focus on drinking water utilities, and will build upon and model similar ongoing initiatives led by Regional Parks.

Outcomes to Date

- Project scoping completed (December 2025)
- Project procurement completed (April 2026)
- Project kick-off meeting (May 2026)

Next Steps

Phase 1 of the project began in May 2026 and is scheduled for completion by October 2026. The project is on track for completion of all three phases by the end of 2027.

2. Evaluating Agricultural Water Demands in the Metro Vancouver Region

Status: In Progress

Years active: 2025 - Present

Overview

This project aims to improve understanding of the potential impacts of the agricultural sector on drinking water demand, recognizing its susceptibility to external pressures such as climate change, policy shifts, and regulatory changes. This work will support the regional water utility's long-term planning by examining current and projected future water demands of this important sector. It also contributes to the Regional District's efforts to foster a sustainable agricultural industry facing ongoing water insecurity.

The project investigates the potential changes in agricultural water supply and demand, how those changes may influence water use decisions, and the potential cascading impacts on drinking water demand. The project also aims to identify water quality requirements and research opportunities to explore alternative water sources for the sector, aligning with the objectives of the *Non-Potable Water Use Project* (WSIF 2020) completed in 2023. This work informs potential future assessments that support reduced reliance on drinking water for agricultural purposes.

Partnering and collaborating stakeholders include the province, representatives from the agricultural sector, and member jurisdictions with significant agricultural areas.

Outcomes to Date

- Development of the project scope was completed in early 2026, in collaboration with Regional Planning.
- Procurement of consulting services commenced by mid-2026.

Next Steps

Procurement is underway, with the consultant anticipated to be onboard by July 2026. The full scope of work and associated deliverables are expected to extend into 2028.

3. Quantifying Climate Change Impact on Dam Safety – A Case Study

Status: In Progress

Years active: 2025 - Present

Overview

This project aims to help address the vulnerability of Metro Vancouver's dams and diversion structures to climate change impacts and to fill gaps in regulatory and engineering practices by developing a framework and methodology to quantifiably assess these projected impacts on dam safety.

The study considers extreme conditions, projections, and operational factors, moving beyond conventional methods that rely primarily on historical data and baseline regulatory compliance. The project integrates climate projections into dam safety assessments and supports the development of proactive adaptation strategies that protect public safety, secure reliable access to clean water, and safeguard environmental and cultural values.

This forward-looking approach aligns with regional sustainability goals by reducing risks, optimizing resource management, and enhancing the region's capacity to respond to future climate uncertainties.

Outcomes to Date

- Proposals have been received and a preferred proponent has been identified. The project is currently progressing through the procurement process.

Next Steps

Procurement is underway, with the consultant anticipated to be onboard by July 2026. The full scope of work and associated deliverables are expected to extend into 2027.

To: Water Committee

From: Matthew Dybwad, Division Manager, Water Services Engineering, Design & Construction
Ben Suleiman, Lead Senior Engineer, Engineering, Design & Construction, Water Services

Date: July 6, 2026 Meeting Date: July 15, 2026

Subject: **Kennedy Newton Water Main and Newton Pump Station Replacement**

RECOMMENDATION

THAT the Water Committee receive for information the report dated July 6, 2026, titled “Kennedy Newton Water Main and Newton Pump Station Replacement”.

EXECUTIVE SUMMARY

The Kennedy Newton Water Main and Newton Pump Station Replacement projects are key components of the Greater Vancouver Water District’s long-term strategy to increase resiliency and transmission system capacity to deliver high-quality drinking water to the growing population south of the Fraser River. The projects have attained significant milestones over the past year with completion of pipe installation on the Kennedy Newton Main and commencement of construction of the Newton Pump Station.

Water Services undertook careful project planning, early stakeholder and community engagement, and pre-vetted well-qualified consultants and contractors to implement these significant water infrastructure projects. This has resulted in a program that has been delivered a significant upgrade to our drinking water system, while mitigating impacts to the public.

PURPOSE

To inform the Water Committee of the key milestones attained on the Kennedy Newton Water Main and Newton Pump Station Replacement projects and the collaborative implementation process used to mitigate impacts on the community.

BACKGROUND

The existing Surrey Hickleton Main supplies water to the Newton Reservoir and the existing Newton Pump Station. Both the existing water main and the pump station are reaching the end of their design life and are vulnerable to seismic events. New infrastructure is required to replace them and reliably meet the growing water demand south of the Fraser River.

Planning for the projects started in 2014 and construction was implemented in multiple phases. This phased approach minimizes impacts on residents and businesses, addresses capacity constraints within the local construction industry, and promotes participation in the procurement process.

The Kennedy Newton Main is a significant upgrade to the transmission system in the City of Surrey and includes 9 kilometres of 1.8 metre-diameter steel water main between the Kennedy and Newton Reservoirs. Over the past year, the project has hit a significant milestone with the installation of all the water main now complete. The team will be working over the next year to complete chamber installations and coordinate the commissioning of the new water main.

Construction of the Newton Pump Station Replacement is well underway with the installation of two new reservoir outlets completed between 2022 and 2024. In the summer of 2025, the project achieved a key milestone with the commencement of construction of the new pump station. This work is expected to be complete by fall 2028, which will be followed up with system testing, tie-ins and commissioning.

Planning for Success

Detailed design of the two projects started in 2017 with the design services for the Kennedy Newton Water Main provided by Jacobs, and the design services for the Newton Pump Station Replacement provided by WSP. Metro Vancouver and the consultant engineers worked closely with staff from the Cities of Surrey and Delta to select the best water main alignment and pump station location to reduce overall impacts on residents, businesses and commuters.

Contractor Pre-qualification Process

Prior to initiating construction procurement, the project team executed a pre-qualification process to select only the most qualified contractors to submit a proposal. This process evaluated the expertise and references of interested contractors to establish a shortlist of qualified bidders. The contractors who were awarded the projects had significant experience working on similar large, regional infrastructure projects in urban settings and had a proven track record of successfully implementing community impact mitigation measures.

Agency Collaboration and Public Engagement

Metro Vancouver worked with the Cities of Surrey and Delta staff, local residents, businesses, and community organizations to research and understand potential construction impacts, and to develop construction impact mitigation measures. These potential impacts include traffic, noise, vibration, dust, parking and access. Feedback received through community engagement was integrated directly into the construction contracts in the form of required mitigation measures. A multi-tiered community engagement approach was successfully implemented, including project webpage, newsletters, social media, traffic advisories and signage.

A strong example of coordination between Metro Vancouver, municipalities, and other agencies was the successful installation of the Kennedy Newton Water Main – Scott Road Section. The work required scheduling and coordination with the Cities of Surrey and Delta, and TransLink, which aligned its R6 Scott Road RapidBus upgrades with Metro Vancouver's project. Located on a busy arterial route—including a critical crossing of Nordel Way—the project faced strict timelines and traffic management constraints. The Nordel Way crossing was completed within a three-week window during the summer months while maintaining traffic flow. To support timely delivery, Metro Vancouver included incentive and penalty clauses in the contract. The project was ultimately completed on budget, ahead of schedule, and with minimal disruption—demonstrating the value of strong communication and collaboration among stakeholders.

ALTERNATIVES

This is an information report. No alternatives are presented.

FINANCIAL IMPLICATIONS

This is an information report. No financial implications are presented.

Kennedy Newton Main and Newton Pump Station Replacement

Water Committee Regular Meeting Date: July 15, 2026

Page 3 of 3

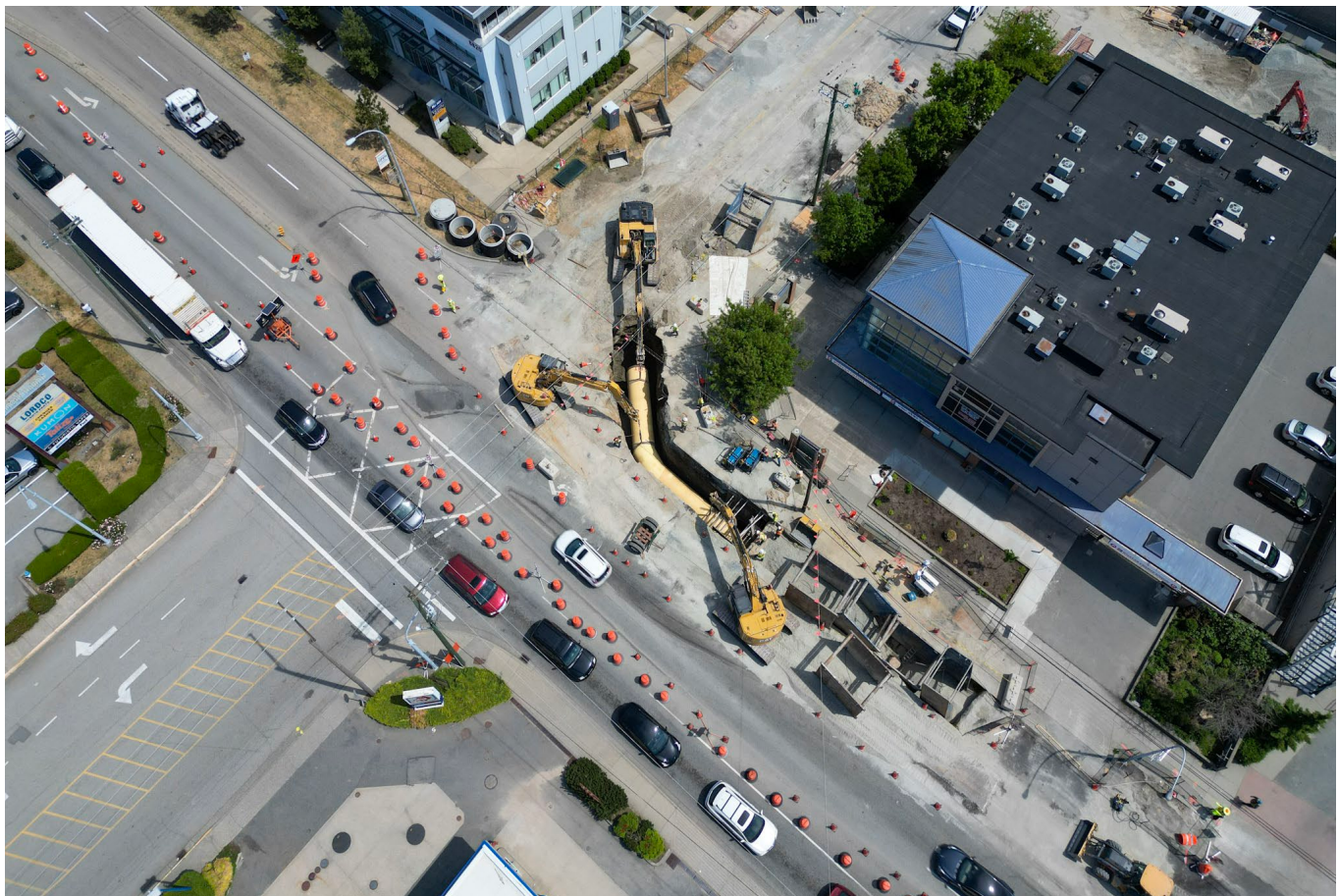
CONCLUSION

Metro Vancouver has successfully achieved key milestones in the delivery of the Kennedy Newton Water Main and Newton Pump Station Replacement projects. The successful execution of these projects illustrates the importance of careful project planning, early stakeholder and community engagement, and the value of hiring well-qualified consultants and contractors to implement these significant water infrastructure projects.

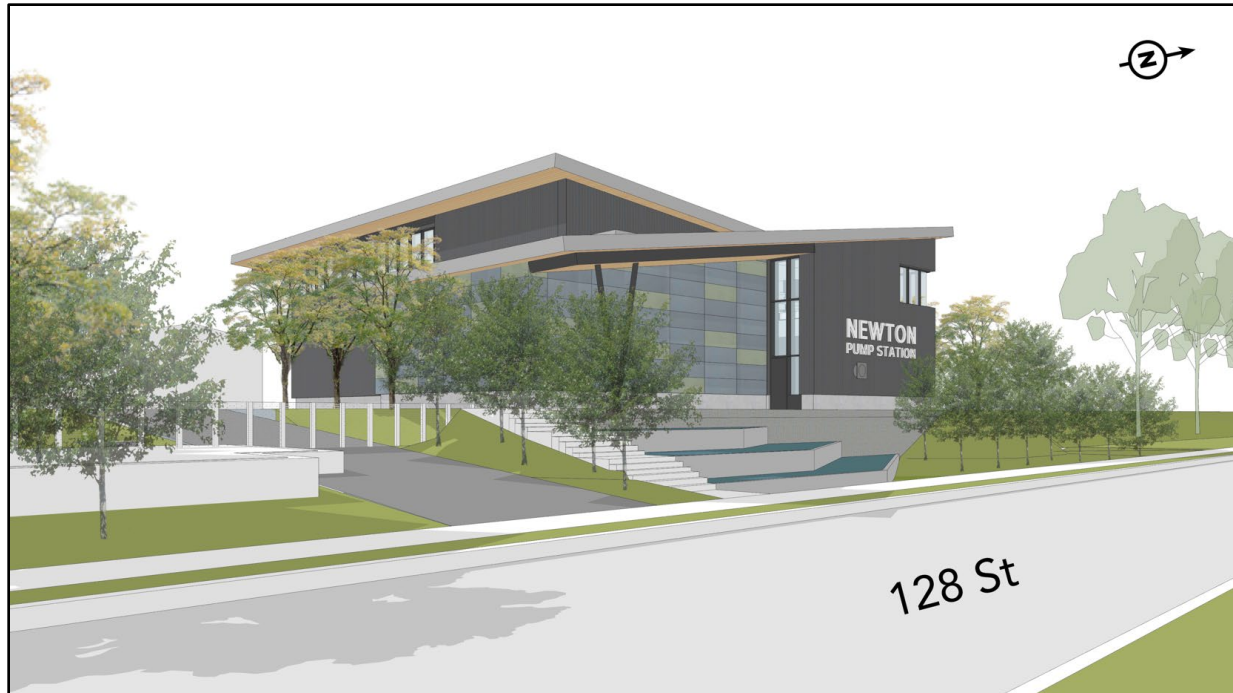
ATTACHMENTS

1. Graphic 1: Kennedy Newton Water Main – Full Alignment Map
Photo 1: Pipe Installation on Scott Road Section, June 2023
2. Graphic 2: Newton Pump Station Replacement Rendering
Photo 2: Excavation for the Newton Pump Station Replacement, November 2025

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Pipe Installation on Scott Road Section, June 2023



Newton Pump Station Replacement Rendering



Excavation for the Newton Pump Station Replacement, November 2025

To: Water Committee

From: Marilyn Towill, General Manager, Water Services

Date: July 7, 2026

Meeting Date: July 15, 2026

Subject: **Manager's Report**

RECOMMENDATION

THAT the Water Committee receive for information the report dated July 7, 2026, titled "Manager's Report".

1. METRO VANCOUVER MICROBIOLOGY LABORATORY: ENHANCED WATER QUALITY ASSURANCE (EWQA) CERTIFICATION

The Metro Vancouver Microbiology Laboratory successfully completed its triannual Enhanced Water Quality Assurance (EWQA) Certification (**Attachment 1**), which is overseen by the BCCDC Public Health Laboratory.

In British Columbia, environmental laboratories performing microbiological tests on drinking water samples for public health purposes, must meet the requirements set out by the *British Columbia Drinking Water Protection Act and Regulation*. The EWQA program acts on behalf of the province in partnership with Clinical Microbiology Proficiency Testing to recommend laboratory approval for drinking water testing. Ultimately the program reports to the Provincial Health Officer.

Achieving ongoing accreditation with EWQA, is another major milestone for the laboratory that reflects the team's sustained commitment to technical excellence, rigorous quality assurance, and continuous improvement.

In 2026 the Microbiology Laboratory conducted 60,180 drinking water tests for total coliforms and *Escherichia coli* (*E. coli*), to ensure compliance with public health standards. Testing to confirm the on-going microbiological safety of drinking water is a critical function of the Microbiology Laboratory because the presence of total coliforms would suggest that the water system may be vulnerable to contamination but does not necessarily mean pathogens are present. *E. coli* is a specific type of coliform bacteria that indicates recent fecal contamination and a higher risk of disease-causing organisms. Beyond compliance, monitoring for coliform bacteria also helps verify the effectiveness of water treatment and distribution system integrity. Earning this accreditation required extensive preparation and highlights the laboratory's dedication to delivering reliable and defensible data that stakeholders can trust.

2. COQUITLAM LAKE WATER SUPPLY PROJECT

To ensure the continued provision of high-quality drinking water to the region well into the next century, Metro Vancouver takes a two-pronged approach: reduce demand through conservation and leak detection strategies laid out in the Drinking Water Management Plan; and access additional supply through new water sources. A broad range of potential approaches to meeting future water supply needs were considered in the Water Supply Outlook 2120, including both new sources and expansions of existing infrastructure. These options were screened against factors such as feasibility, environmental considerations, cost, and alignment with long-term regional goals. A second intake at Coquitlam Lake was the preferred outcome for the region's next water source. Metro Vancouver is

advancing the Coquitlam Lake Water Supply Project, which includes the development of a new, deeper intake to access, treat, and deliver water from Coquitlam Lake.

As the risk of droughts and low snowpack increase in the face of climate change while the region's population continues to grow, water conservation alone will not be sufficient to meet future drinking water supply needs. Coquitlam Lake is the largest reservoir in GVWD's system and currently supplies approximately one third of regional drinking water demand. Under future operating conditions enabled by the new project, Coquitlam Lake is expected to supply more than half of the region's drinking water. Its geographic location, storage capacity, water quality, and existing infrastructure make it the most efficient and resilient source for meeting future regional drinking water needs.

Projects of this size and scale take decades to plan for, design and build. Once completed, this project will include a new deeper water intake, a water supply tunnel, and filtration treatment plant that can treat water during periods of high turbidity, as shown in Figure 1.

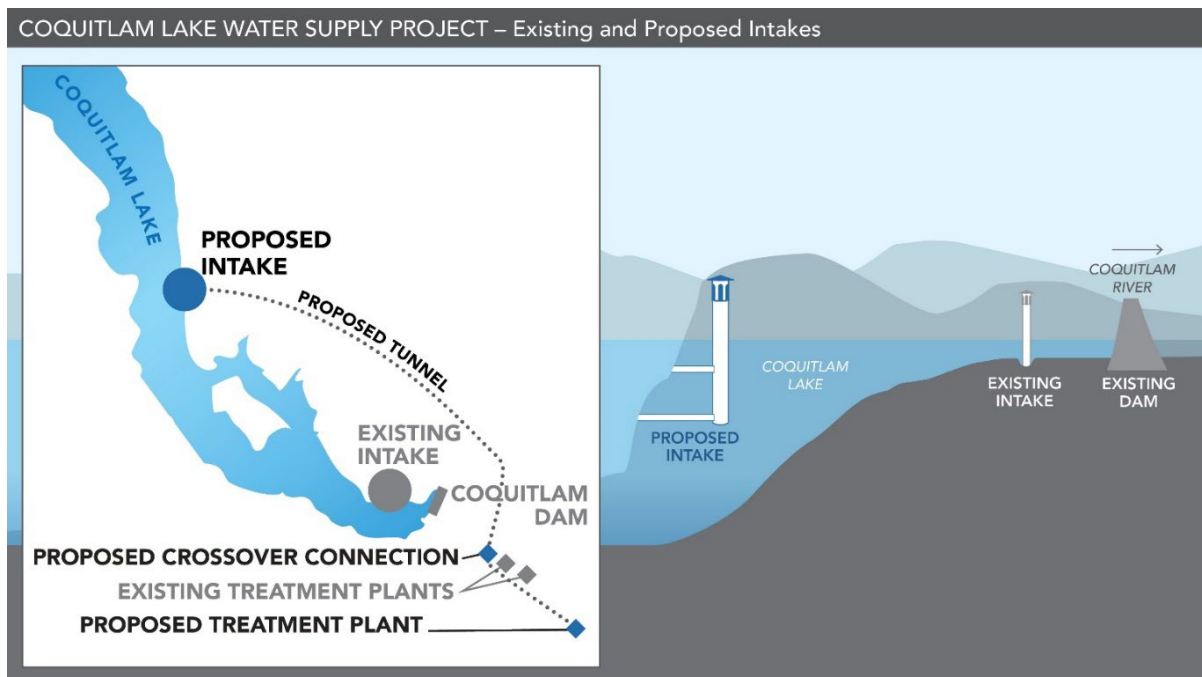


Figure 1. Coquitlam Lake Water Supply Project

The project timeline considers population growth, climate change impacts from increased droughts and reduced snowpack, and increased water conservation, with construction of the main components estimated to begin in the early 2030s. The project is targeting a completion date of the late 2030s to meet a potential gap in water supply by that time.

The Project Definition phase was completed in 2021, the Permitting and Regulatory phase is in progress, and Preliminary Design is anticipated to start later this year. Early works completed to date include project conceptual scoping, studies and analysis, geotechnical site investigations, and construction of a temporary treatment pilot plant. Ongoing early works include land acquisition, permitting and regulatory applications, and engagement. As well, over the next two years, treatment plant pilot testing is being conducted to evaluate different filtration approaches to treat the water. The temporary pilot plant is a scaled-down version of the proposed filtration treatment

plant constructed near the existing treatment plant. The pilot plant allows water quality testing using water from the Coquitlam source to optimize the design of the treatment plant including sizing of equipment and dosing of chemicals. This information will ensure that the new treatment plant is designed to be efficient, cost-effective and tailored for the water coming out of Coquitlam Lake.

Staff are currently focused on key provincial permits and authorizations including a water licence and land acquisition for the filtration treatment plant, and a right of way for the water supply tunnel. Some of these applications have been submitted to the Province.

The procurement for the design consultant for the intake and tunnel is underway, and staff will be seeking endorsement from the Water Committee for award of contract in July. Procurement of the design consultant for the treatment plant is anticipated to commence in 2027.

Once the design consultants are on board, preliminary design will commence. This work, along with the results from the treatment plant pilot testing, will be important to determine the scope of work, and establish a project timeline and cost estimate.

Metro Vancouver is currently engaging with the City of Coquitlam, First Nations, and stakeholders, and will soon begin engaging the public to ensure the project considers their values, concerns, and priorities. Staff attended the annual Canada Day celebration in Town Centre Park to raise public awareness about the Coquitlam Lake Water Supply Project, and Coquitlam Water Main Project. Due to the location of the project in the heart of kʷikʷəłəm (Kwikwetlem First Nation) traditional territory, we are committed to working closely with the nation to understand how the project can proceed in a way that respects Indigenous culture and well-being. Through ongoing meetings, events, and workshops, potential project related effects are being identified with the aim of developing potential solutions to minimize these effects in and around Coquitlam Lake.

A more comprehensive project update is planned for the first half of 2027.

3. CENTRAL PARK WATER MAIN – PIPE SIGNING EVENT

On Friday, June 19, Metro Vancouver and Hall Constructors hosted an educational event for students at Windsor Elementary School in Burnaby. Water main installation happened directly in front of this school and students were interested in the process and the water main installation.

Students were divided into small groups and had the opportunity to meet members of the project team, learn about the region's drinking water system, and get an up-close look at the 7-meter-long water main. Metro Vancouver's School and Youth Leadership Programs coordinator spoke with each group, highlighting the importance of our high-quality drinking water and explaining the role of the water main in delivering this essential service to residents of the region.

As part of the experience, students were invited to sign or draw on the final section of pipe to be installed as part of the Central Park Water Main – Imperial Section project. City of Burnaby Mayor Mike Hurley was also in attendance. Students were thrilled to meet Mayor Hurley, eagerly asking for his autograph and taking photos with him, making it one of the highlights of the day.



4. RECOGNITION AWARD FOR INNOVATION IN SNOWPACK MONITORING

At the Environmental Managers Association of BC (EMA of BC) Awards Banquet on June 23, 2026, Water Services Hydrometeorologist Peter Marshall was recognized for his leadership on the Next Generation Snowpack Monitoring Project, funded through the Water - Sustainability Innovation Fund. This initiative, developed over four years, complements traditional field-based snow surveys by incorporating advanced remote LiDAR based monitoring technologies that provide high-resolution data and improved estimates of total snowpack volume and snow water equivalent across water supply areas. Snowpack plays a critical role as Metro Vancouver's "fourth reservoir,"



gradually replenishing the primary reservoirs as the region transitions into peak summer demand. By improving the accuracy and spatial coverage of snow water equivalent measurements, the project enhances water supply forecasting and planning. More precise estimates provide planning staff with a clearer understanding of how much additional water is expected to enter reservoirs during the spring melt period. Enhanced monitoring strengthens resilience to climate variability and supports sustainable watershed management. Peter's work in this area with several partner organizations has also been published in several scientific journals.

The EMA of BC, established over 30 years ago, is a professional organization of over 1,800 individual and corporate memberships. It is dedicated to advancing environmental practice through knowledge sharing, professional development, and recognition of excellence across British Columbia.

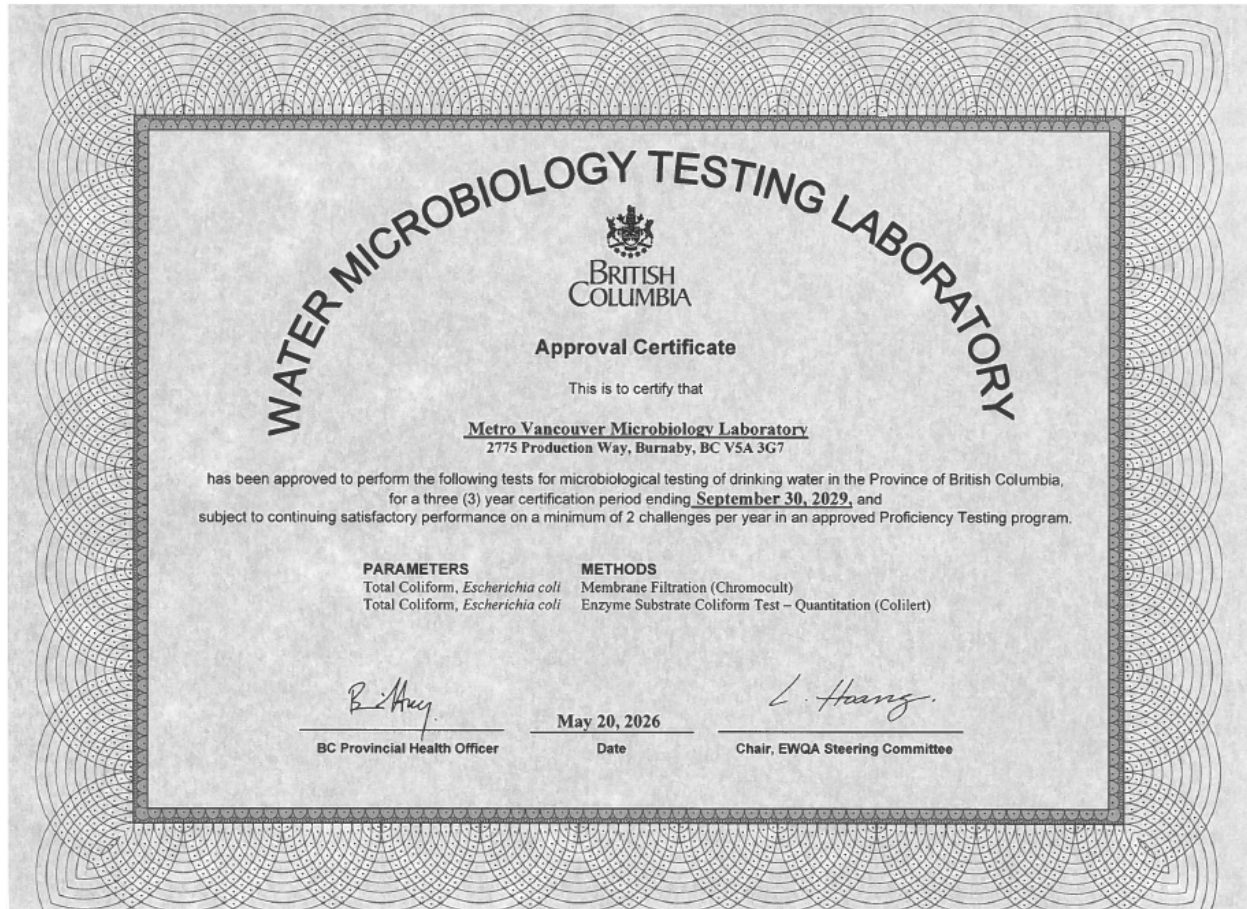
5. Water Committee 2026 Work Plan

ATTACHMENTS:

1. Enhanced Water Quality Assurance Certification.
2. Water Committee 2026 Work Plan.

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Water Committee 2026 Work
Plan Report Date: July 7, 2026

Priorities

1st Quarter	Status
2026 Water Committee Meeting Schedule and Work Plan	Completed
GVWD Capital Program Update	Completed
Drinking Water Management Plan Update	Completed
Fleetwood Reservoir Update	Completed
Water Supply Area Fisheries Initiatives Annual Update	Completed
Contract Approvals as per the <i>Procurement and Asset Disposal Authority Policy</i>	Completed
Transaction Approvals as per the <i>Real Estate Authority Policy</i>	Completed
Water Policies (as applicable)	Completed
2nd Quarter	
2025 Year End Financial Performance Results	Completed
GVWD 2025 Water Quality Annual Report	Completed
GVWD 2025 Dam Safety Program Annual Update	In Progress
GVWD 2025 Water Supply System Annual Update	Completed
GVWD Water Use by Sector Report 2003 - 2023	Completed
Major Projects Update	Completed
Water Supply Preparedness Update for Summer 2026	Completed
Wildfire Preparedness Update	In Progress
Contract Approvals as per the <i>Procurement and Asset Disposal Authority Policy</i>	Completed
Transaction Approvals as per the <i>Real Estate Authority Policy</i>	Completed
Water Policies (as applicable)	Completed
3rd Quarter	
GVWD Capital Program Five Year Outlook	In Progress
GVWD Electrical Energy Use, Generation, and Management	Pending
Drinking Water Quality Public Communications	Pending
Major Projects Update	In Progress
Contract Approvals as per the <i>Procurement and Asset Disposal Authority Policy</i>	In Progress
Transaction Approvals as per the <i>Real Estate Authority Policy</i>	In Progress
Water Policies (as applicable)	In Progress
4th Quarter	
GVWD Annual Budget and 5-Year Financial Plan	Pending
GVWD Capital Program Update	Pending
Long Term Water Supply Planning Update	Pending
Water Supply Performance for Summer 2026	Pending
Water Communications and Public Outreach Results	Pending
Contract Approvals as per the <i>Procurement and Asset Disposal Authority Policy</i>	Pending
Transaction Approvals as per the <i>Real Estate Authority Policy</i>	Pending
Water Policies (as applicable)	Pending