



Metro Vancouver Region

2025 – 2029 Financial Plan Overview

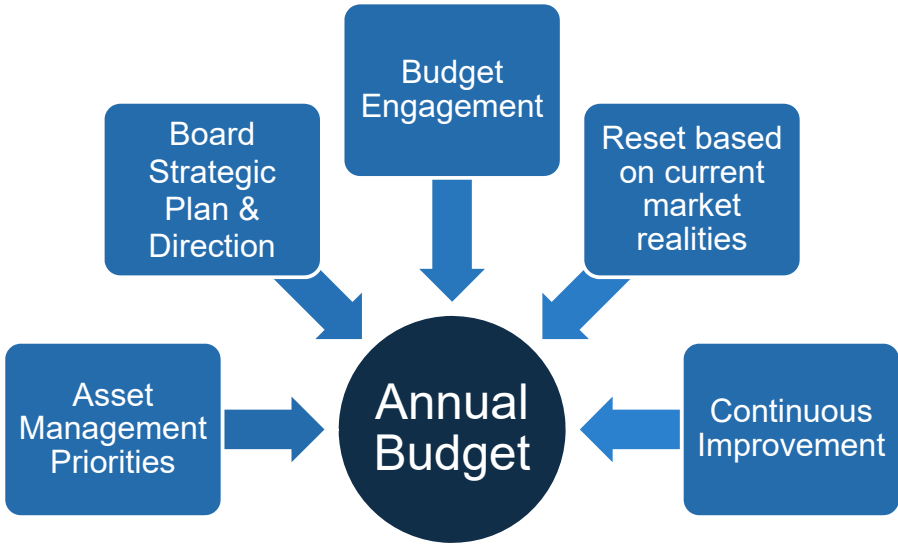
Jerry W. Dobrovolny, P. Eng, MBA
Commissioner / Chief Administrative Officer

Harji Varn
GM Financial Services / Chief Finance Officer

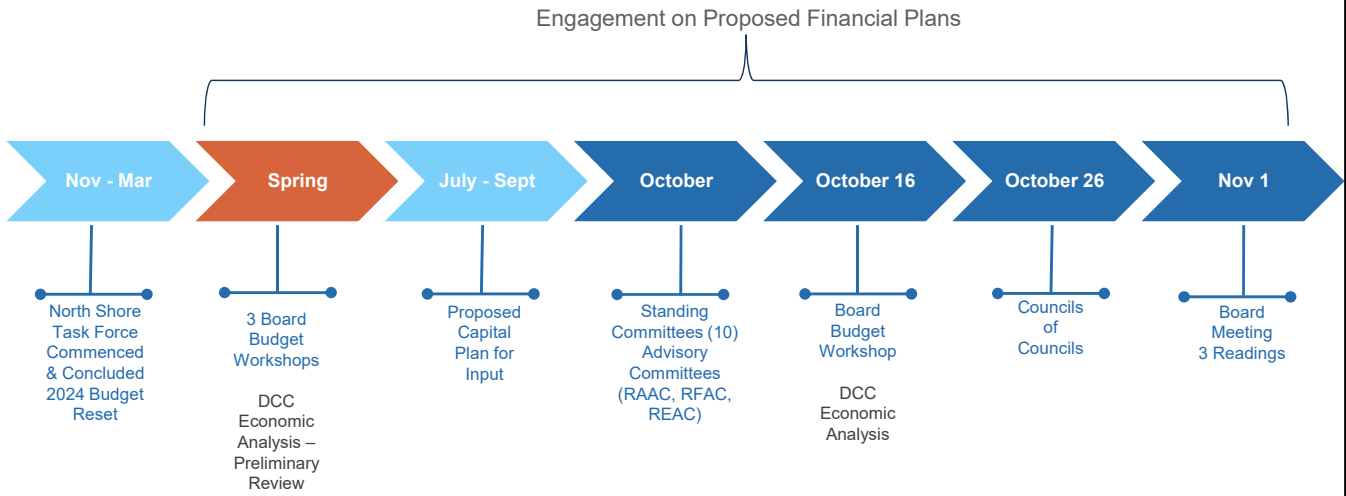


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METRO VANCOUVER BUDGET APPROACH



2025 BUDGET CYCLE TIMELINE



COMMUNICATIONS AND ENGAGEMENT

Public Engagement Period, July 31 – September 16

- 291,956+ budget video views
- 14 days at PNE (90,000 showcase visitors)
- 8,483 PNE budget game players
- 1,453 budget webpage visits
- 422 online survey responses
- 79 paper survey responses
- 36 promotional and educational posts on social



COMMUNICATIONS AND ENGAGEMENT

Overall Communications / Member Engagement

- Budget webpage with video
- Budget Overview one pager
- MetroUpdate newsletter article
- Live stream Committee and Board meetings
- Regional Advisory Committees
- Council of Council meetings
- Budget communications throughout the year

The screenshot shows the Metro Vancouver Budget 2024 Overview webpage. It includes a 'Financial Plan Overview' section with text about Metro Vancouver's services and a '2024 Budget at a Glance' section with bullet points. A table titled 'Approximate average cost per household*' is also visible, showing costs for various services like Regional Planning, Air Quality Management, Regional Parks, Solid Waste Services, and Liquid Waste Services. Below the table are two pie charts: 'Where the Money Comes From' and 'Where the Money Goes'. A video player in the foreground shows a 'PUBLIC WORKSHOP' video titled 'About the budgeting process'.

COMMITMENT TO CONTINUOUS IMPROVEMENT

- Continue culture of continuous improvement
- Continue to Monitor financial performance
- Continue to utilize data to drive decision making
- Continue to seek alternative funding strategies/sources
- Continue with long range planning and procurement strategies for multi-year programs and project delivery



CONTINUOUS IMPROVEMENT – 2024 COMPLETED OR ONGOING

Initiative	Outcomes
Cyber Resilience (CS)	<ul style="list-style-type: none"> Improve cyber security and resilience to proactively mitigate the risks posed by evolving cyber security threats
Weigh Scale Software Upgrade Implementation (SWS)	<ul style="list-style-type: none"> Range of new features: license plate readers, emailing bills, real-time customer feedback; system resilience.
Refined Environmental Management System (WS)	<ul style="list-style-type: none"> Revised the review and approval process for regulatory reporting, which is freeing up time for our frontline, engineering, and legal teams

CONTINUOUS IMPROVEMENT – 2025 NEW

Initiative	Outcomes
Waste-to Energy District Energy (SWS)	<ul style="list-style-type: none"> Up to 70,000 tonnes GHG per year emissions reduction.
Biosolids Hauling de-carbonization (LWS)	<ul style="list-style-type: none"> Trials of low-carbon hauling vehicles (battery electric vehicles and hydrogen electric vehicles) for short to medium haul routes.
Project Quality Management (PD)	<ul style="list-style-type: none"> Consistent implementation of Project Quality Management and reduction of quality related risks. Efficiencies due to risk avoidance and streamlined processes.

MAJOR DRIVERS – CAPITAL PROGRAM

WHAT WE ARE DOING

- Long-term financial planning
- Cost estimating framework
- Reviewing scope and timing of over 300 projects
- Partnership funding

The image shows two spreadsheets. The left one is titled 'GREATER VANCOUVER WATER DISTRICT CAPITAL BUDGET AND 2024-2028 CAPITAL PLAN WATER SERVICES'. The right one is titled 'GREATER VANCOUVER WATERBURY AND ORANGE DISTRICT CAPITAL BUDGET AND 2024-2028 CAPITAL PLAN WASTEWATER SERVICES'. Both tables have columns for 'Category', '2024', '2025', '2026', '2027', and '2028'.



Fleetwood Reservoir Roof slab



Annacis WWTP Digesters



Widgeon Marsh Development

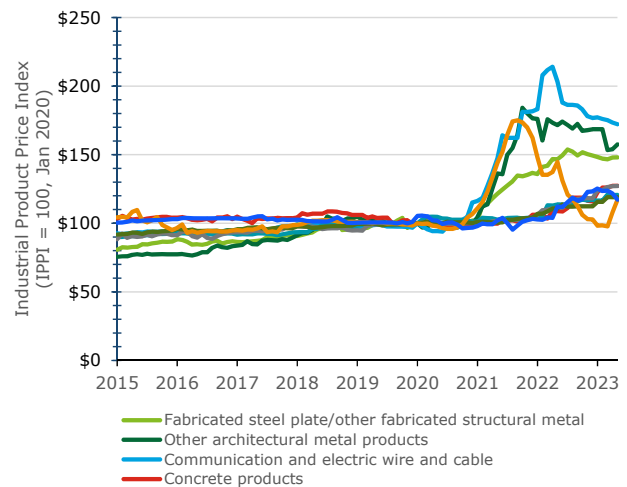


Central Surrey Recycling and Waste

MAJOR DRIVERS – INFLATION AND COST ESCALATION

WHAT WE ARE DOING

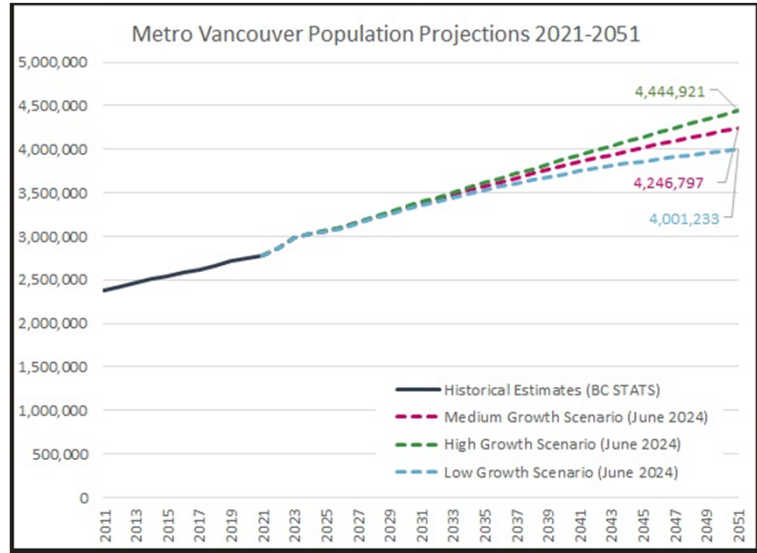
- Strengthening procurement strategies
- Examining revenue sources and partnerships
- Timing and scope of projects and programs



MAJOR DRIVERS - POPULATION GROWTH

WHAT WE ARE DOING

- Examining impacts to infrastructure
- Regular updates and review of DCCs
- Alignment with Province and member jurisdictions



MAJOR DRIVERS - CLIMATE CHANGE AND RESILIENCE

WHAT WE ARE DOING

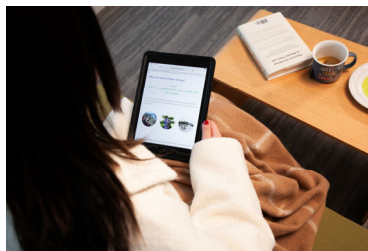
- Infrastructure resilience
- Metro 2050 Policy
- Climate action strategies and programs



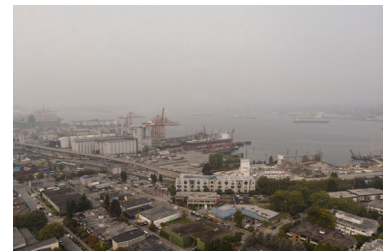
King tide in West Vancouver



Minnehada fire



Climate Literacy Program



Smoky conditions in Metro Vancouver

MAJOR DRIVERS – BELOW MARKET RENTAL HOUSING

WHAT WE ARE DOING

- Metro Vancouver Housing development and renewal projects (2,100+ units underway)
- Partnerships with member jurisdictions, development community and others
- Historic funding agreement with Province; new federal program



APRIL 2023 BOARD BUDGET WORKSHOP DIRECTION

That the MVRD/MVHC/GVS&DD/GVWD Board at the April 19, 2023 Board Budget Workshop:

- a) *direct staff to proceed through the 2024 budget cycle with household impact targets as follows*
 - i. 2024 – 12%
 - ii. 2025 – 11%
 - iii. 2026 – 5%
 - iv. 2027 – 5%
- b) *direct staff to prepare the 2024–2028 Financial Plan with the following development cost charge (DCC) rate assumptions:*
 - i. *Liquid Waste Development Cost Charges moving to a 1% assist factor with interest as part of the 2024–2028 Financial Plan*
 - ii. *Water Development Cost Charges moving to a 1% assist factor with interest as part of the 2024–2028 Financial Plan; and*
 - iii. *Implementation of a Development Cost Charge for Regional Parks and move to a 1% assist factor within the 2024–2028 Financial Plan*

MARCH 2024 BOARD MEETING

- The DCC Bylaws received Provincial Inspector Approval in February 2024
- On March 22, 2024, the MVRD/ GVS&DD/ GVWD Board had 4th reading and final adoption of the 3 DCC Bylaws
- The DCC Bylaws have a 3-year phase-in January 1, 2025; January 1, 2026; and January 1, 2027

SPRING 2024 BOARD BUDGET WORKSHOPS DIRECTION

April 17 and May 17, 2024 Board Budget Workshops direction to staff was to continue with the direction from April 2023 which were to:

- Maintain the following HHI targets:
 - 2025 – 11%
 - 2026 – 5%
 - 2027 – 5%
 - 2028 – 5%
- Continue with Liquid Waste DCCs, Water DCCs, and Regional Parks DCCs to a 1% assist factor with interest as part of the financial plan

BOARD BUDGET WORKSHOP DIRECTION

May 2024 Board Budget Workshop Resolution

That the GVS&DD Board direct staff to prepare the 2025 Budget and 2025–2029 Financial Plan by allocating the \$2.8B required to complete the NSWWTP Program according to Option 3 from Table 6 in the report dated May 10, 2024, titled “2025 Budget and 5-Year Financial Plan Scenarios for Consideration.”

That the GVS&DD Board direct staff to prepare the 2025 Budget and 2025–2029 Financial Plan by allocating the \$2.8B required to complete the NSWWTP Program according to Option 4 from Table 7 in the report dated May 10, 2024, titled “2025 Budget and 5-Year Financial Plan Scenarios for Consideration.”

	2025	2026	2027	2028	2029
VSA	+\$150	-	-	-	-
NSSA	+\$118	+\$118	+\$118	+\$118	+\$118
LIWSA	+\$80	-	-	-	-
FSA	+\$90	-	-	-	-

2025–2029 FINANCIAL PLAN OVERVIEW

2025 Budget – Bottom Line

11.0%	Prior Projection for 2025
\$88	Increase for the average household in 2025 (Water: \$14, Liquid Waste: \$69, Solid Waste: \$3, MVRD: \$2)
\$884	Average annual cost for all Metro Vancouver services
9.9%	Proposed 2025 Budget
\$79	Increase for the average household in 2025 (Water: \$11, Liquid Waste: \$63, Solid Waste: \$3, MVRD: \$2)
\$875	Average annual cost for all Metro Vancouver services

OVERALL AVERAGE HOUSEHOLD IMPACT 2025–2029

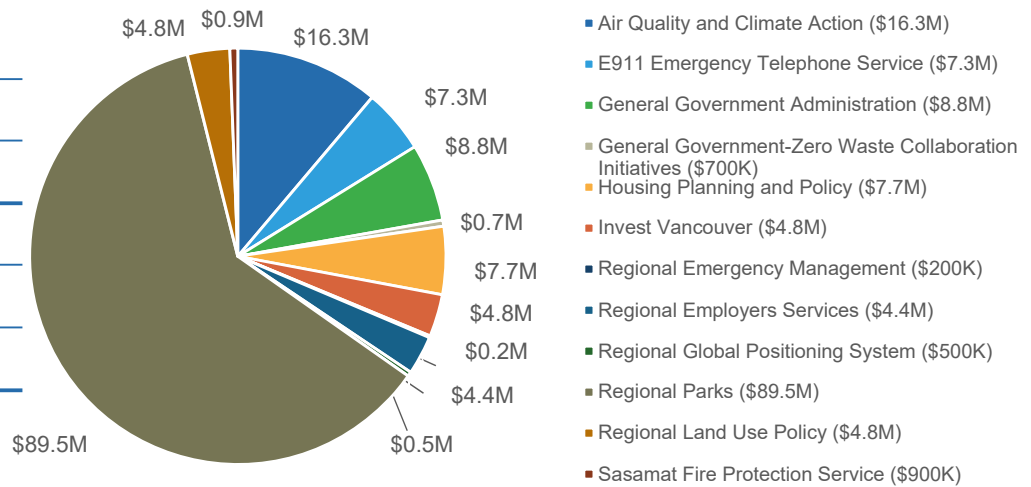
	2024	NSWWTP Amended	2025	2026	2027	2028	2029
Water Services	\$189	\$189	\$200	\$211	\$215	\$218	\$218
Liquid Waste Services	\$349	\$447	\$510	\$549	\$587	\$627	\$672
Solid Waste Services	\$68	\$68	\$71	\$74	\$78	\$82	\$86
Regional District Services	\$92	\$92	\$94	\$84	\$85	\$86	\$87
Total Household Impact	\$698	\$796	\$875	\$918	\$965	\$1,013	\$1,063
Prior Year Forecast - amended			\$884	\$933	\$981	\$1,033	

BUDGET OVERVIEW

2025 MVRD Budget

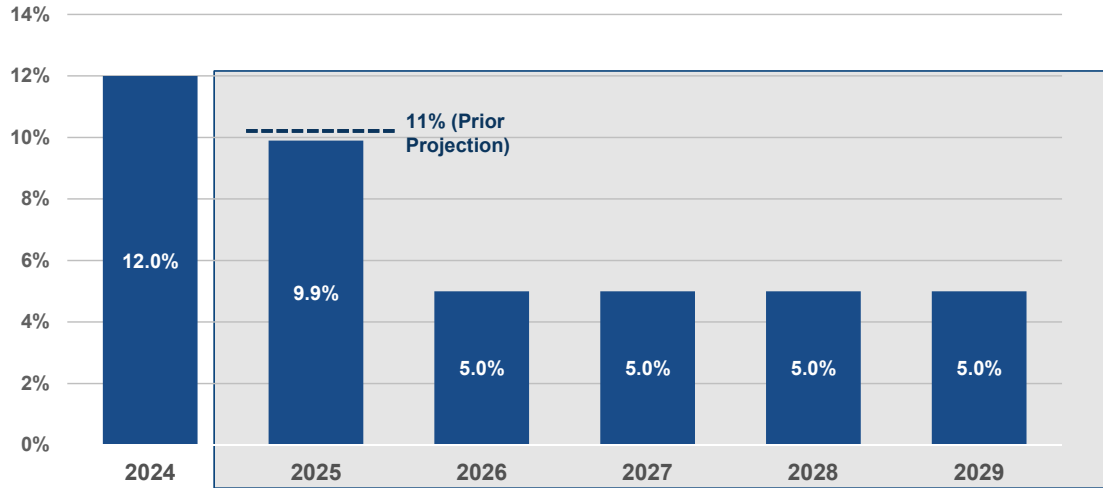
Revenues (millions)	
MVRD Requisition	\$117M
Transfer from Reserves	\$16M
Other Revenues	\$13M
Total	\$146M

Expenditure by Department



METRO VANCOUVER HOUSEHOLD IMPACT % CHANGE

Proposed 2025–2029 Financial Plan



METRO VANCOUVER OPERATING BUDGET

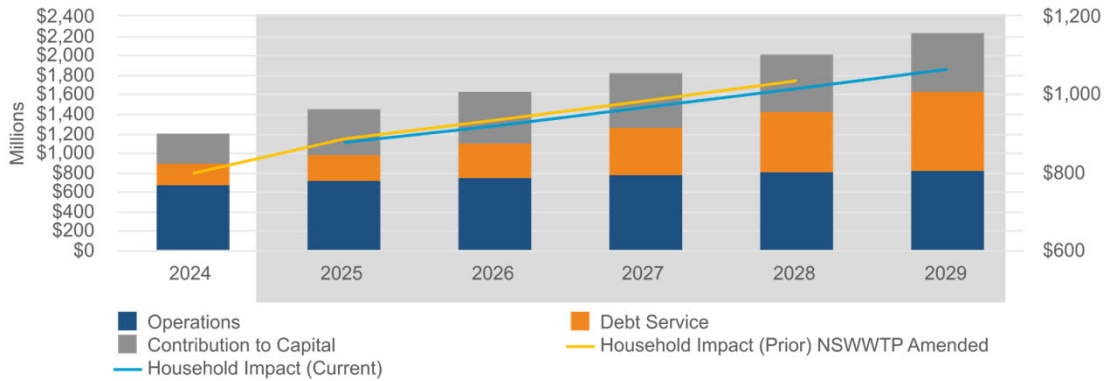
Expenditures

Overview:

- 2024 Operating Budget: \$1,216.0M
- 2025 Operating Budget: \$1,463.7M

Drivers:

- Operating Program is inflationary over the 5 years
- Funding capital program through debt service and contribution to capital in accordance with Board policy



METRO VANCOUVER OPERATING BUDGET

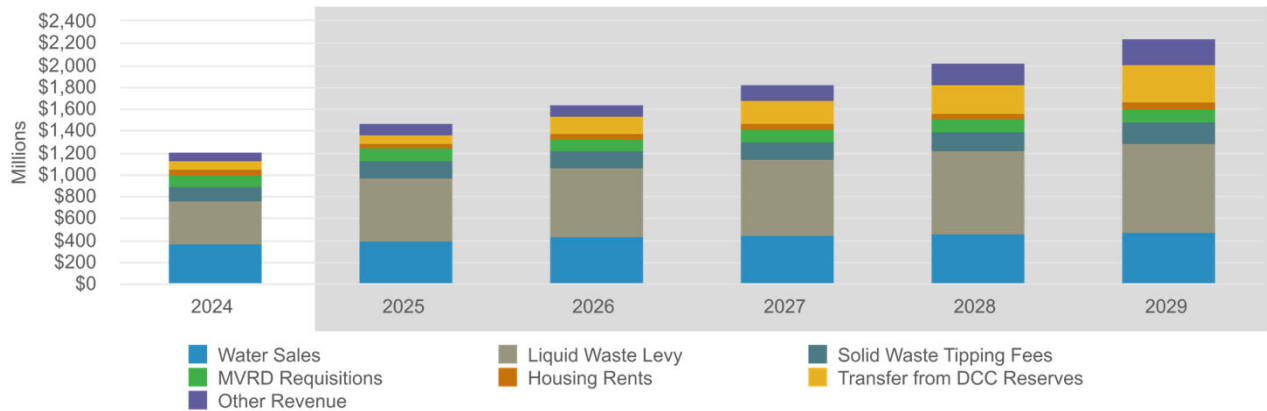
Revenues

Overview:

- Primary funding sources: water sales, sewer levy, tipping fees, rents, MVRD requisition
- Relative stability for primary sources

Drivers:

- Anticipated DCC revenues received and applied having downward pressure on HHI
- Continuously seeking partner funding for support



METRO VANCOUVER CAPITAL PLAN

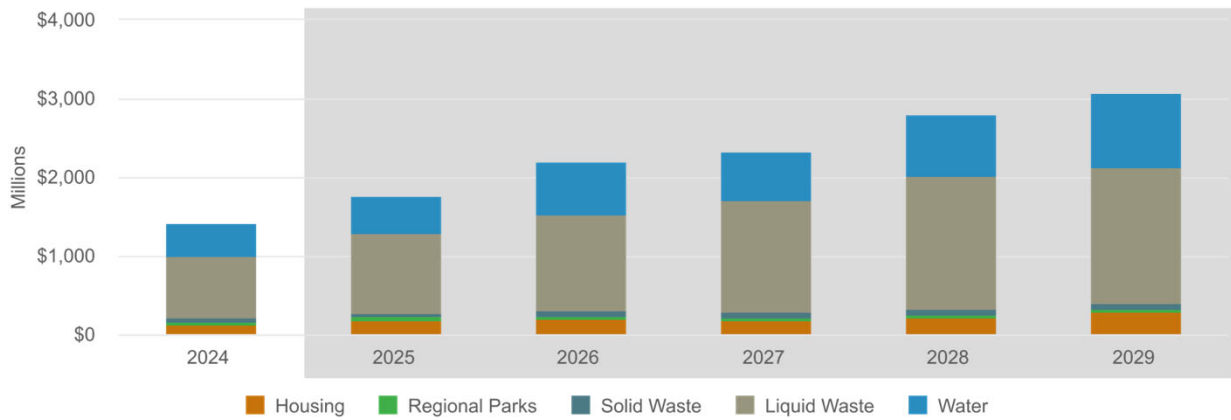
Expenditures

Overview:

- 2024 capital cash flow \$1.42B
- 2025 capital cash flow \$1.77B

Drivers:

- Continued activity on previously approved projects
- Regulatory upgrades and growth projects



Pacific Spirit Regional Park

Questions?



E2

1924-2024

100 YEARS

DRINKING WATER

2025 – 2029 FINANCIAL PLAN

WATER SERVICES

Marilyn Towill

General Manager, Water Services

Water Committee – October 2, 2024
68636935

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Vancouver Heights Reservoir Pump Station (1958)

CELEBRATING 100 YEARS OF DRINKING WATER

The Greater Vancouver Water District (GVWD) was established in 1924 with a mandate to ensure drinking water for the region's residents.



Vancouver Heights Pump Station (1958)



Barnston/Maple Ridge Pump Station



Capilano Chlorination Plant (1960)

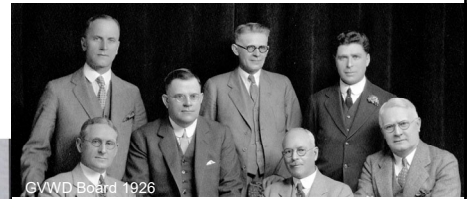
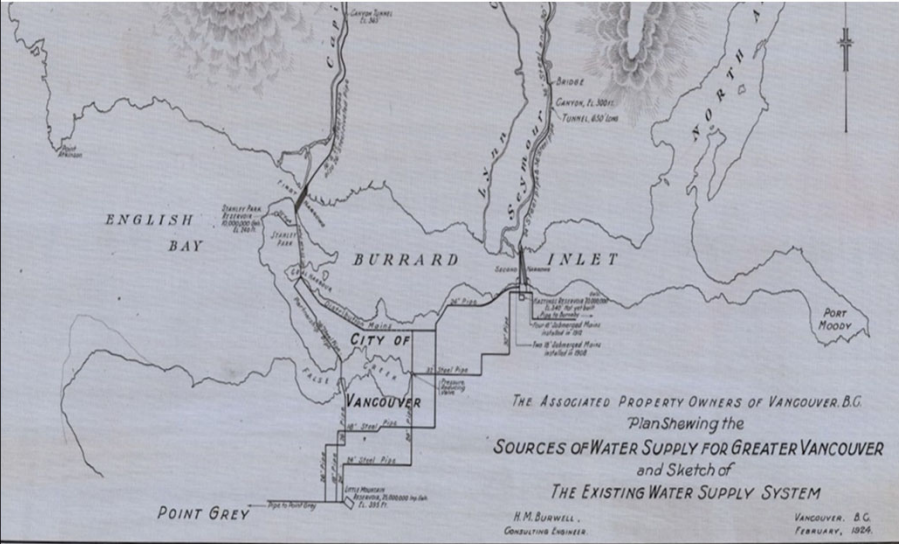


Jericho Reservoir

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ONE HUNDRED YEARS AGO



Barnston Maple Ridge Pump Station



WATER SERVICES OVERVIEW

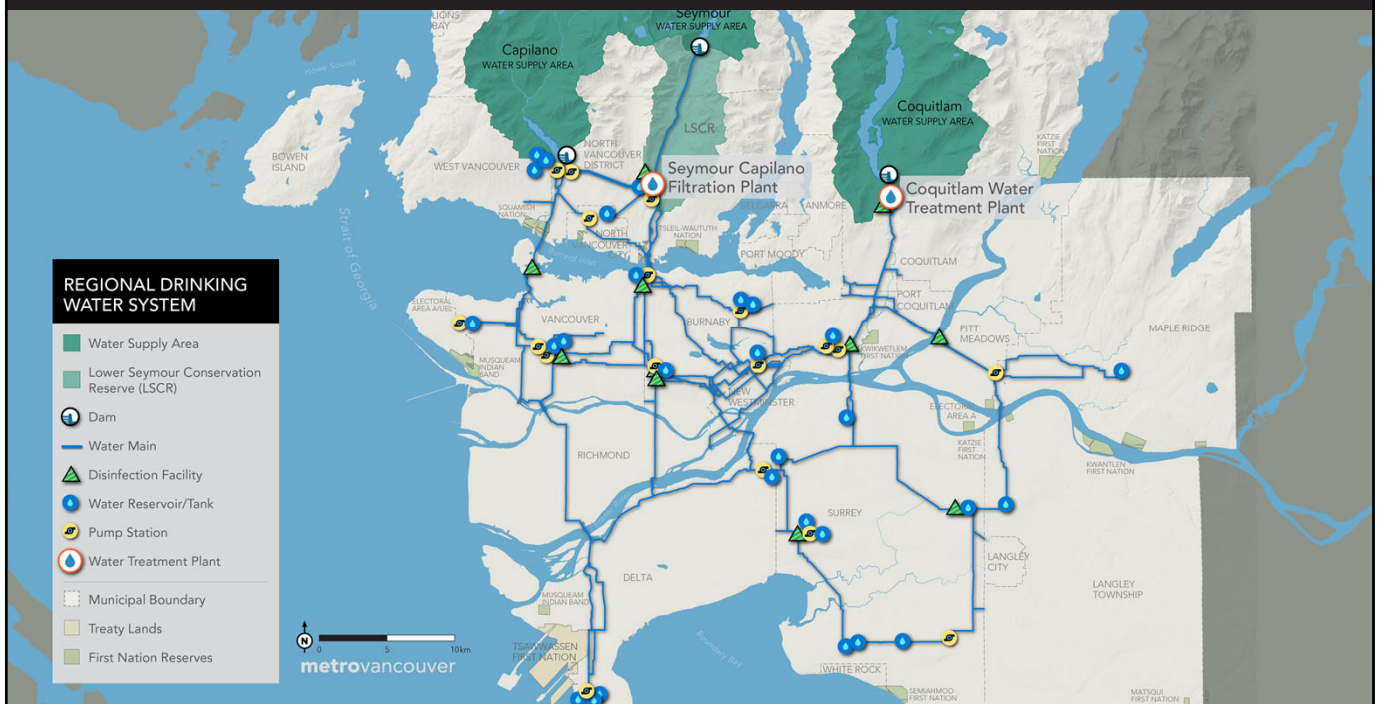
Water Services over the next 5 years

In order to manage the long term Water Supply demands in a responsible manner, this Plan factors in conservation measures, new infrastructure development, resiliency, financial sustainability, climate action, First Nations reconciliation, and strong external partnerships over the next 5 years.

CUSTOMER LEVELS OF SERVICE OBJECTIVES

- Maintain Quality of the Drinking Water Delivered
- Maintain Capacity and Reliability of the Water Supply System
- Improve Environmental Stewardship
- Minimize Timeline to recover from a Major Event (including Seismic, Power Interruption and Climate Change)

Water Utility Overview



WHAT DRIVES & GUIDES OUR WORK



Annacis Main No.2, Magnetic Flowmeter installation in a new chamber



Water main installation in Stanley Park – Circa 1932

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PERFORMANCE METRICS

Water Services

Key Performance	Past Performance (Average)	Expected Performance 2025
Peak day per capita water use (liters per person per day)	587	
Water transmission system leak repairs (# leaks / 100km of pipe)	2.72	
Progress on GVWD capital program (% expenditures)	59	
Bacteriological tests from GVWD system meet or exceed BC Water Quality Standard	100%	

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CONTINUOUS IMPROVEMENT – 2024 COMPLETE OR ONGOING

Water Services

Initiative	Outcomes
On-Site Field Services Improvements	<ul style="list-style-type: none"> Acquired technology improvements (robotic survey equipment, etc.) to improve on-site efficiency
Completed a Dam Safety Tracking System	<ul style="list-style-type: none"> Allows entry and tracking of work activities for the entire corporate portfolio of dams
Refined Environmental Management System	<ul style="list-style-type: none"> Revised the review and approval process for regulatory reporting which was established in 2015. New process is freeing up time for our frontline, engineering, and legal teams

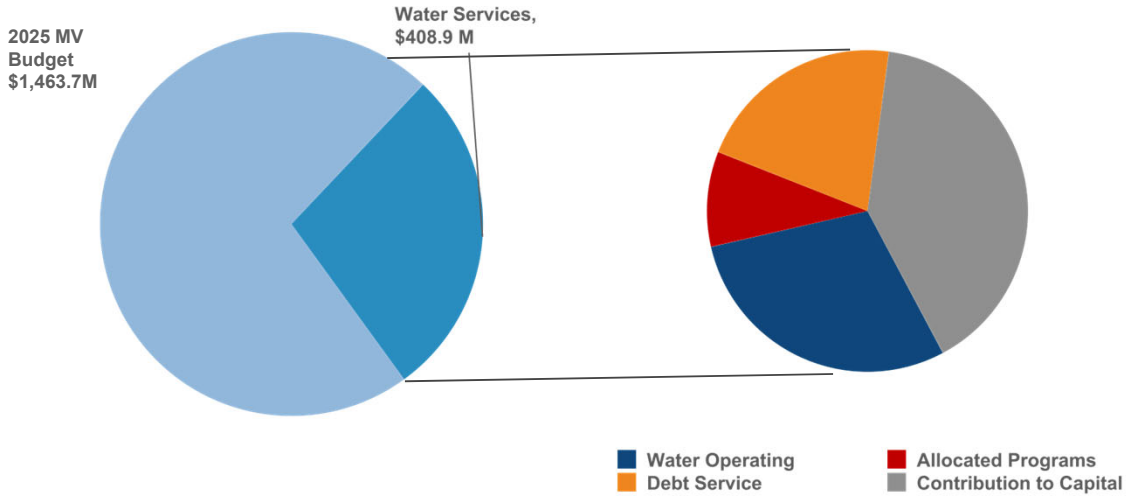
CONTINUOUS IMPROVEMENT – 2025 NEW

Water Services

Initiative	Outcomes
Departmental GHG emissions management	<ul style="list-style-type: none"> Working towards achieving 45% reduction by 2030 and net-zero emissions by 2050 with focus on fleet electrification
Enhancing water quality monitoring	<ul style="list-style-type: none"> Installation of improved in-system reservoir sampling equipment and remote data monitoring of rechlorination stations
Retrofit air valves	<ul style="list-style-type: none"> Retrofitting air valves to avoid future failures, emergency repair costs, as well as reduce the environmental risk

BUDGET OVERVIEW

2025 Operating Budget Breakdown - Water



OPERATING EXPENDITURES

Water Services Financial Plan

Overview:

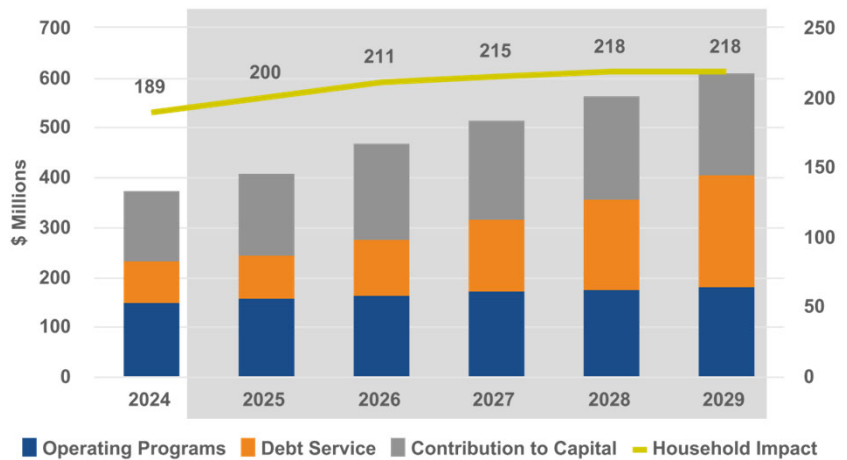
2024 Operating Budget: **\$378.9M**
 2025 Operating Budget: **\$408.9M**

7.9% increase

Drivers for Change:

- Increases to operating programs are largely inflationary
- Increased debt service (growing capital program)
- Managing contribution to capital (Financial Management Policy)

2025 - 2029 Water Services Financial Plan



OPERATING REVENUES

Water Services Financial Plan

Overview:

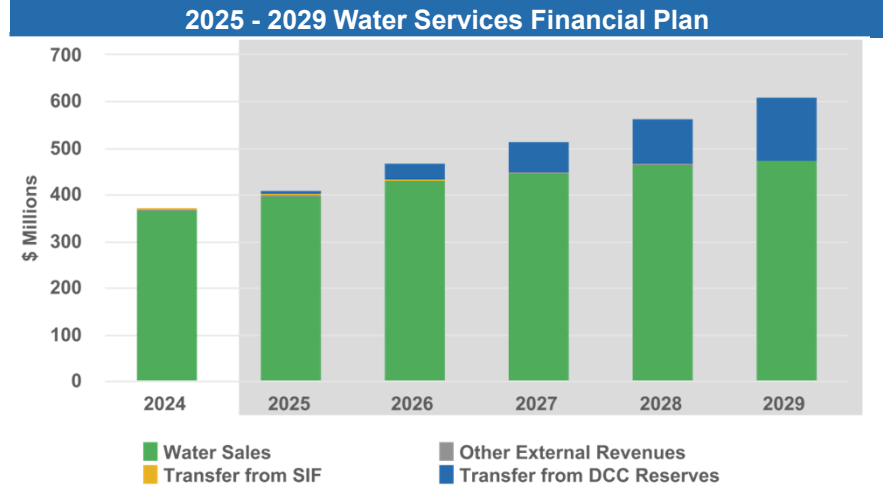
2024 Operating Budget: **\$378.9M**

2025 Operating Budget: **\$408.9M**

7.9% increase

Drivers for Change:

- Population growth and increased consumption
- Maintaining funding for capital program



OPERATING REVENUES

Benchmark of Utility Costs

Jurisdiction	Wholesale Water Rate (\$CAD / m3) (year)	Residential Water Use (litres per person per day) (year of published data)
Metro Vancouver	\$1.00 (2025)	269 (2021)
Portland	\$0.78 (2024)	167 (2023)
Capital Regional District	\$0.81 (2024)	220 (2023)
Waterloo	\$1.13 (2024)	152 (2019)
San Francisco	\$2.25 (2024)	155 (2023)

OPERATING HIGHLIGHTS

Water Services

Budget year	Initiative	Description
2025	Drinking Water Management Plan Update	Finalize Drinking Water Management Plan for GVWD Board endorsement
2026	Environmental Management System	Complete development of an ISO 14001 compliant Environmental Management System.
2027	Earthquake Early Warning and Structural Health Monitoring System	Complete action items associated with the Earthquake Early Warning and Structural Health Monitoring System.
2028	Automated Data Acquisition System (ADAS) Replacement	Replace aging ADAS equipment at the Cleveland and Seymour Falls dams
2029	Wildfire Preparedness	Complete Community Wildfire Planning with key municipal partners

CAPITAL EXPENDITURES

Water Services Capital Plan

Overview:

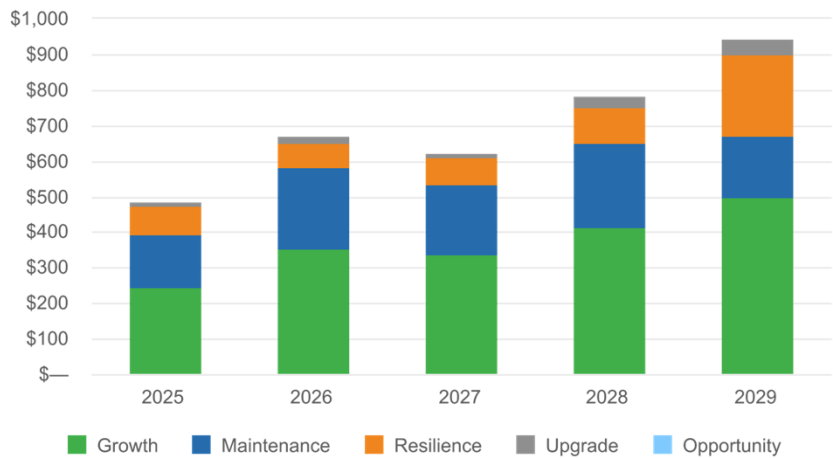
2024 Capital Cash Flow: **\$424.9M**
 2025 Capital Cash Flow: **\$484.5M**

14.0% increase

Drivers for Change:

- Coquitlam Water Main
- Annacis Water Supply Tunnel
- Stanley Park Water Supply Tunnel
- Coquitlam Lake Water Supply
- Haney Water Supply Tunnel
- Capilano Raw Water Pump Station - Back-up Power
- Kennedy Newton Main

2025 - 2029 Water Services Capital Cash Flow



CAPITAL FUNDING

Water Services Capital Plan

2025 - 2029 Water Services Capital Funding

Overview:

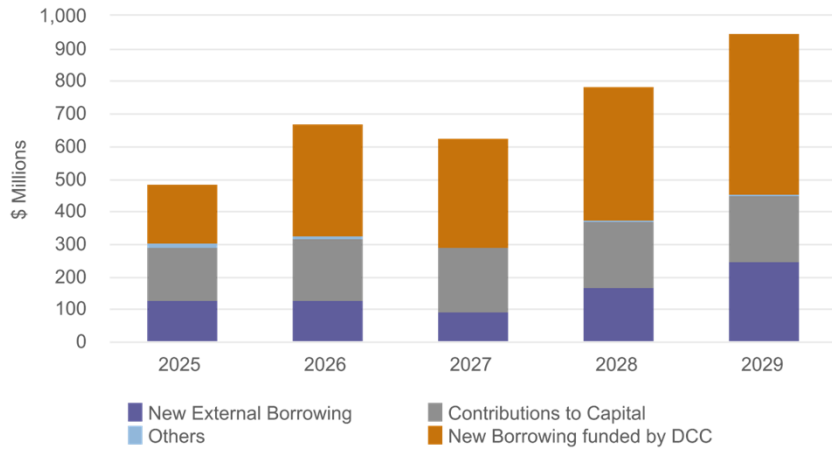
2024 Capital Cash Flow: **\$424.9M**

2025 Capital Cash Flow: **\$484.5M**

14.0% increase

Drivers for Change:

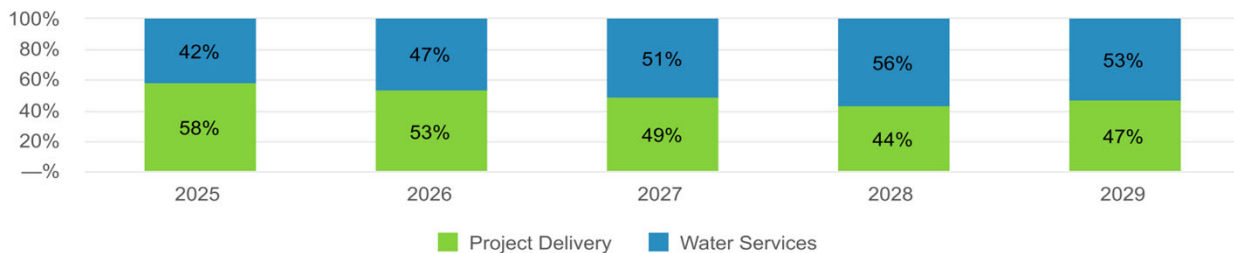
- Contribution to Capital funding to comply with Financial Management Policy
- DCC's in place for 2024 and onwards



WATER 2025 - 2029 CAPITAL PLAN

	2025	2026	2027	2028	2029
Annual Capital Expenditures (millions)					
WS	\$202.4	\$312.3	\$319.6	\$439.8	\$500.1
PD	\$282.1	\$357.4	\$304.8	\$342.4	\$445.3
Total	\$484.5	\$669.7	\$624.4	\$782.2	\$945.4

- Water Services: 144 projects in the 2025 - 2029 capital plan
- Project Delivery: 9 projects in the 2025 - 2029 capital plan
- Total: 153 projects in the 2025 - 2029 capital plan



WATER SERVICES FINANCIAL PLAN SUMMARY

Water Services

	2024	2025	2026	2027	2028	2029
Total Expenditures (\$ Millions)	\$378.9	\$408.9	\$468.2	\$516.0	\$564.8	\$611.3
% Change		7.9%	14.5%	10.2%	9.5%	8.2%
Blended Water Rate (\$/m3)	\$0.9333	\$1.0002	\$1.0655	\$1.0975	\$1.1233	\$1.1380
Total Capital Cash Flow (\$ Millions)	\$424.9	\$484.5	\$669.7	\$624.4	\$782.2	\$945.4
Household Impact (\$)	\$189	\$200	\$211	\$215	\$218	\$218
% Change		5.7%	5.5%	2.0%	1.6%	0.1%
Prior Cycle Household Impact Change (%)		7.4%	5.3%	2.4%	1.8%	N/A



Barnston Maple Ridge Pump Station



Questions?