

CAPITAL REGIONAL DISTRICT

2026 BUDGET

Regional Water Supply

COMMISSION REVIEW

Service: 2.670	Regional Water Supply	Commission: Regional Water Supply
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DEFINITION:

To finance, install, operate and maintain a water supply local service in the Capital Regional District, as per the Water Supply Local Service Establishment Bylaw No. 2537.

The establishment and operation of a Regional Water Supply Commission is done by Bylaw No. 2539.

SERVICE DESCRIPTION:

Regional Water Supply is responsible for the water supply, treatment and transmission system for the Greater Victoria region, providing wholesale water to municipalities that operate municipal distribution systems. The service administration and operation is provided by the Integrated Water Services Department.

PARTICIPATION:

City of Victoria	Town of Sidney	District of Metchosin
District of Oak Bay	District of North Saanich	District of Sooke
District of Saanich	Town of View Royal	Juan de Fuca Electoral Area
Township of Esquimalt	City of Colwood	District of Highlands
District of Central Saanich	City of Langford	

MAXIMUM LEVY:

No stated limit in establishment bylaw and no ability to requisition.

MAXIMUM CAPITAL DEBT:

Authorized:	Pre Consolidated MFA Loan Authorizations - Regional Water Supply Water Works Facilities		\$137,700,000
Borrowed:			\$91,400,000
Remaining:	Expired		\$46,300,000
Authorized:	LA Bylaw No. 3451 - Regional Water Supply Land Acquisition		\$60,000,000
Borrowed:			\$60,000,000
Remaining:			\$0
Authorized:	LA Bylaw No. 3902 - Regional Water Supply Water Works Facilities	2014	\$12,500,000
Borrowed:			\$9,500,000
Remaining:	Expired		\$3,000,000
Authorized:	LA Bylaw No. 4382 - Regional Water Supply Water Works Facilities	2021	\$46,000,000
Borrowed:			\$4,000,000
Remaining:	Active		\$42,000,000

FUNDING:

Costs are recovered through the sale of wholesale water.

Change in Budget 2025 to 2026
Service: 2.670 Regional Water Supply

Total Expenditure

Comments

2025 Budget

44,959,023

Change in Wages & Benefits:

Base wages & benefits change	478,154	Inclusive of estimated collective agreement changes
Step increase/paygrade change	72,383	
IBCs:		
2.0 FTEs - Engineering Resource	310,912	2024 IBC 2b-1.1: Dam Safety Program
0.5 FTE - Operations Coordinator	69,469	2026 IBC: 2b-2.6: Operations Coordinator: 1.0 FTE, 50% RWS, 50% JDFWD
1.0 FTE - Operations Supervisor	115,097	2026 IBC: 2a-2.3: Master Plan Program
1.0 FTE - Reliability/Performance Engineer	129,380	2026 IBC 2b-2.9: Reliability/Operational Performance
1.0 FTE - Sr. Project Manager	169,039	2026 IBC 2a-2.3: Master Plan Program
1.0 FTE - First Nations Liason	108,600	2026 IBC 2a-2.3: Master Plan Program - FTE assigned to 1.027 FNR, cost allocated to 2.670 RWS
1.0 FTE - Paralegal	142,000	2026 IBC 2a-2.3: Master Plan Program - FTE assigned to 1.014B Corporate Services, cost allocated to 2.670 RWS
	<u>(532,842)</u>	Funded through capital program
Total IBCs:	511,654	
Total Change in Wages & Benefits	<u>1,062,191</u>	

Other Changes:

Transfer to Water Capital Fund	1,500,000	Increased transfer to fund capital program
Contract for Services - one-time	150,000	2026 IBC 2b-2.9: Reliability/Operational Performance - Roadmap Study
Transfer to Equipment Replacement Fund	92,943	Increased contribution for vehicle replacements
Principal and Interest on New Debt	1,070,938	Principal and interest on new debt to fund capital program
Principal and Interest on Maturing Debt	(443,155)	Principal and interest on retiring debt: LA3661-112 of \$6.5m; LA3661-116 of \$1.5m
Transfer to Debt Reserve Fund	163,817	1% security deposit upon commencement of new debt
Operations & Maintenance Support	70,475	Increased support of ongoing water operations
Conveyance Fee and Agricultural Rate	70,000	
Other Costs	107,920	Inflationary increases on core budget items such as training, travel, professional fees, supplies, etc.
Total Other Changes	<u>2,782,938</u>	

2026 Budget

48,804,152

Summary of % Expense Increase

Transfer to Water Capital Fund	3.3%
2026 Base salary and benefit change	1.2%
IBCs	1.5%
Debt Servicing Costs	1.4%
Balance of increase	1.1%
% expense increase from 2025:	8.6%

Overall 2025 Budget Performance

(expected variance to budget and surplus treatment)

Water demand is forecasted slightly higher than budget (\$432k), while operational costs are forecasted below budget due to temporary vacancies (\$208k); and lower debt servicing costs due to decreasing interest rates and deferred capital activity (\$220k); and various other costs such as meeting expenses, travel, office supplies (\$90k). The forecasted net surplus of \$950k will be transferred to the service's Water Capital Fund.

Rate Base for 2026 Revenue Year

	2024 Application	2025 Application	End of 2025 for '26 Applic.	Change
Wholesale System				
Physical Plant	\$ 232,362,092	\$ 229,399,000	\$ 241,893,836	\$ 12,494,836 ¹
Construction Work in Progress	11,685,562	19,411,782	17,979,375	(1,432,407) ¹
Cash Working Capital	2,611,253	2,725,626	2,903,232	177,606
Inventory	225,000	225,000	225,000	-
Total Wholesale Rate Base	<u>\$ 246,883,907</u>	<u>\$ 251,761,408</u>	<u>\$ 263,001,443</u>	<u>\$ 11,240,035</u>

Note 1: Refer to the Schedule of Change in Physical Plan & work in Progress for details.

Schedule of Change in Physical Plant & Work in Progress

Wholesale

Projected Asset Additions	Projected Assets Capitalized	Projected Construction Work In Progress (CWIP)	Projected Assets CWIP
Replacement of the UV System and Controls Upgrades	\$ 10,712,786	PIPES	\$ 6,300,000
Goldstream Gatehouse Upgrade	1,807,592	Goldstream Field Operations Centre	2,204,059
Road Upgrade	1,342,511	Major Main Repairs	1,600,000
Dam Improvements	964,314	Meter Replacement	886,407
Watershed Security Enhancements	955,004	Mt Tolmie Reservoirs	850,000
Pipe Replacements	844,407	Supply System	636,588
Water Supply Equipment Upgrades	664,126	System Modelling & Analytics	491,088
Tunnel/Culvert Replacement	662,075	Assessments	564,084
Watershed Culvert Replacement	532,244	Dam Safety Improvements	430,000
Valve Chamber Upgrades	400,000	Program Planning & Delivery	413,230
Meter Replacement	160,000	Road Upgrades	394,927
Leech Watershed initiatives	150,070	High Level Output Valve Replacement	330,000
Water Quality Program	137,964	Reservoir	283,092
Computer Equipment	84,669	Cathodic Protection Program	250,000
Hydrology Equipment	77,279	Valve Replacements	250,000
Other Projects (8 minor projects below \$50k)	139,118	Hydrology Stations	235,000
Total Projected Assets Capitalized	\$ 19,634,159	Sooke Dam Safety Improvements	230,000
Less: Current Year's Depreciation	(7,861,169)	IT Infrastructure	225,862
Add (Less): Change in prior year forecast addition estimates & disposals	721,846	Strategic Asset Management Plan	214,016
Change in Physical Plant	\$ 12,494,836	SCADA Upgrades	187,353
		Critical Equip Storage Building	161,772
		Goldstream Treatment Plant Improvements	153,722
		GVWSA Road Rehabilitation	131,326
		Watershed Security Enhancements	125,000
		Critical Facilities Program	121,876
		Tunnel Humpback Channel	120,000
		Cross Connection	52,022
		Water Quality Laboratory Equipment	50,000
		Other Projects (7 minor projects under 50k)	87,951
		Projected CWIP	\$ 17,979,375
		Less: Prior year's projected CWIP	(19,411,782)
		Change in CWIP	\$ (1,432,407)

Revenue Requirements for 2026 Year

	2024 Application	2025 Application	2026 Application	Change
Wholesale system				
Operations & maintenance	\$ 21,180,167	\$ 22,107,854	\$ 23,548,440	\$ 1,440,586
Depreciation	7,159,519	7,299,832	7,861,169	561,337
Return on rate base	13,520,100	15,363,900	17,044,400	1,680,500 ¹
Subtotal	\$ 41,859,786	\$ 44,771,586	\$ 48,454,009	\$ 3,682,423
Non-rate revenue	(582,060)	(582,060)	(582,060)	-
Total Wholesale	\$ 41,277,726	\$ 44,189,526	\$ 47,871,949	\$ 3,682,423

Note 1: Return on rate base is calculated with reference to the long-term Canada bond rate and the average debt rate.

2026 Demand Estimate**Wholesale Demand**

Years	Actual Demand cu. metre	Budgeted Demand cu.metre
2020	48,730,475	48,000,000
2021	51,797,082	48,000,000
2022	50,297,409	49,000,000
2023	51,886,834	49,500,000
2024	49,774,663	51,000,000
2025	51,700,000 ¹	51,200,000

2026 Demand Estimate**51,400,000***1. Projected consumption for 2025*

Summary of Wholesale Water Rates

	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>\$ Change</u>	<u>% Change</u>
Wholesale water rate							
Unit cost per cu.m.	\$ 0.7332	\$0.7698	\$0.8094	\$ 0.8631	\$ 0.9314	\$ 0.0683	7.91%

Wholesale Water Rate Increase Impact on Residential Water Bill

Average Annual Consumption: * 239.0 cubic meters

<u>Charge for Twelve Months Consumption</u>	<u>Year</u>	<u>Annual Charge</u>	<u>2026 Annual Change, \$</u>
Average Consumption	2025	\$ 206.28	
	2026	\$ 222.60	\$ 16.31
Half Average Consumption	2025	\$ 103.14	
	2026	\$ 111.30	\$ 8.16
Twice Average Consumption	2025	\$ 412.56	
	2026	\$ 445.19	\$ 32.63

* Average Annual Consumption based on 2.303 people per household, per BC Stats 2024 projection

Schedule A
Asset Useful Life Assignments - PSAB

<u>Classes:</u>	<u>Code</u>	<u>Asset Categories</u>	<u>Useful Life, Years</u>
Land	LAND	Land & Rights of Way * (Note 1)	N/A
Building	BLDG	Building, Permanent	50
	BLOT	Building, Temporary/ Portable	20
	BLFX	Building fixture (<i>sprinklers</i>)	20
Equipment	BOAT	Boats & Marine Equipment	10
	COMP	Computer Equipment (<i>includes software</i>)	5
	ELEC	Electronic Equipment(<i>hydromet, weather stn eqpt</i>)	5
	FIRE	Fire & Safety Equipment	10
	GENT	Generator	20
	HYDR	Hydrants and Standpipes	20
	HYDY	Hydrology	10
	MTRS	Meters	20
	OFFE	Office Equipment	5
	OFFF	Office Furniture	10
	SCDA	SCADA Equipment	10
	SCRN	Intake Screens/Membranes (<i>stop logs</i>)	20
	SHOP	Shop Equipment	10
	TELE	Telecommunication Eqpt (<i>radios, phone systems</i>)	10
	WEQP	Water Works Eqpt(<i>W.Quality lab, Wshed eqpt</i>)	10
	NEW GRP	Weather stn & communication tower	15
Vehicle	VEHC	Vehicles	8
Engineering	BRDG	Bridge	50
Structure	CANL	Canal	50
	DAMS	Dam Structures	100
	PIPE	Pipelines, includes Vaults, Kiosks, Valve chambers	75
	PIPF	Pipelines, fittings	20
	PLPV	Parking lot paved	40
	PSEQ	Pump Station Equipment	20
	PSHS	Pump Station Housing	50
	PRVS	Valves, Flushes & PRV's	20
	RDGR	Roads gravel	20
	RDPV	Roads paved	40
	RESS	Reservoirs (steel & concrete)	50
	REST	Reservoirs (tower/tank)	35
	TANK	Storage tank	40
	TELP	Telephone and Power Lines	50
	TUNN	Tunnel, Culvert and Diversions	50
	WATP	Water Treatment Plant	25
	WELL	Wet well/ Well	50
Other Assets	CSTU	Capital Management Studies	5
	FENC	Fences	15
	LIMP	Land & Yard Improvements	20

Note 1: Land is not depreciated so a useful life assignment is not applicable.

Program Group: CRD-Regional Water Supply	2026 BUDGET REQUEST						FUTURE PROJECTIONS			
	2025 BOARD BUDGET	2025 ESTIMATED ACTUAL	2026 CORE BUDGET	2026 ONGOING	2026 ONE-TIME	TOTAL (COL 4, 5 & 6)	2027	2028	2029	2030
	2	3	4	5	6	7	8	9	10	11
SUMMARY										
1										
GENERAL PROGRAM EXPENDITURES:										
WATERSHED PROTECTION	6,984,067	6,760,304	7,219,613	-	2,500	7,222,113	7,293,184	7,439,692	7,588,844	7,740,979
WATER OPERATIONS	8,138,541	8,023,875	8,572,063	42,965	-	8,615,028	8,866,123	9,223,442	9,412,015	9,609,533
WATER QUALITY	2,133,179	2,106,393	2,185,521	20,000	-	2,205,521	2,268,792	2,333,840	2,400,736	2,469,540
CROSS CONNECTION	836,509	829,299	870,262	-	2,500	872,762	895,145	921,481	948,137	975,568
DEMAND MANAGEMENT	859,872	847,707	882,534	-	2,500	885,034	901,963	925,740	949,723	974,269
INFRASTRUCTURE ENGINEERING	595,345	595,345	653,100	250,600	12,400	916,100	984,180	1,003,874	1,023,942	1,044,409
FLEET OPERATION & MAINTENANCE	(577,541)	(580,379)	(670,484)	-	-	(670,484)	(683,890)	(697,570)	(711,520)	(725,750)
ASSET & MAINTENANCE MANAGEMENT & GM SUPPORT	807,882	809,882	829,236	129,380	163,750	1,122,366	983,385	1,008,606	1,032,962	1,055,999
TOTAL OPERATING EXPENDITURES	19,777,854	19,392,426	20,541,845	442,945	183,650	21,168,440	21,508,882	22,159,105	22,644,839	23,144,547
<i>*Percentage increase over prior year's board budget</i>			3.86%	2.24%	0.93%	7.03%	1.61%	3.02%	2.19%	2.21%
CONVEYANCE FEE FOR SERVICE TO FIRST NATIONS	480,000	480,000	500,000	-	-	500,000	525,000	550,000	575,000	600,000
AGRICULTURAL WATER RATE FUNDING	1,850,000	1,850,000	1,900,000	-	-	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000
			2.70%			2.70%	2.63%	2.56%	2.50%	2.44%
CAPITAL EXPENDITURES & TRANSFERS										
TRANSFER TO WATER CAPITAL FUND	19,500,000	20,449,682	21,000,000	-	-	21,000,000	23,000,000	25,000,000	26,750,000	32,000,000
TRANSFER TO EQUIPMENT REPLACEMENT FUND	577,541	577,541	670,484	-	-	670,484	683,890	697,570	711,520	725,750
TRANSFER TO DEBT RESERVE FUND	186,373	97,620	350,190	-	-	350,190	402,028	807,397	582,422	321,291
TOTAL CAPITAL EXPENDITURES & TRANSFERS	20,263,914	21,124,843	22,020,674	-	-	22,020,674	24,085,918	26,504,967	28,043,942	33,047,041
DEBT SERVICING										
DEBT-INTEREST & PRINCIPAL	2,587,255	2,454,550	3,215,038	-	-	3,215,038	5,085,239	9,022,542	15,435,390	19,786,491
TOTAL DEBT EXPENDITURES	2,587,255	2,454,550	3,215,038	-	-	3,215,038	5,085,239	9,022,542	15,435,390	19,786,491
DEFICIT TRANSFERRED TO FOLLOWING YR										
TRANSFER TO FOLLOWING YEAR DEFICIT CARRY FORWARD										
TOTAL EXPENDITURES	44,959,023	45,301,819	48,177,557	442,945	183,650	48,804,152	53,155,039	60,236,614	68,749,171	78,678,079
			7.16%	0.99%	0.41%	8.55%	8.91%	13.32%	14.13%	14.44%
SOURCES OF FUNDING										
REVENUE - SALES	(44,190,590)	(44,622,139)	(47,245,307)	(442,945)	(183,650)	(47,871,902)	(52,170,951)	(58,847,157)	(67,584,689)	(77,774,728)
REVENUE - OTHER	(768,433)	(679,680)	(932,250)	-	-	(932,250)	(984,088)	(1,389,457)	(1,164,482)	(903,351)
TOTAL SOURCES OF FUNDING OPERATIONS	(44,959,023)	(45,301,819)	(48,177,557)	(442,945)	(183,650)	(48,804,152)	(53,155,039)	(60,236,614)	(68,749,171)	(78,678,079)
TRANSFER PRIOR YEAR										
TRANSFER TO FOLLOWING YEAR SURPLUS CARRY FORWARD										
TOTAL SOURCES OF FUNDING	(44,959,023)	(45,301,819)	(48,177,557)	(442,945)	(183,650)	(48,804,152)	(53,155,039)	(60,236,614)	(68,749,171)	(78,678,079)
<i>Percentage increase over prior year's board budget</i>			7.16%	0.99%	0.41%	8.55%	8.91%	13.32%	14.13%	14.44%
Water Rate \$ per cu. m.	\$ 0.8631					\$ 0.9314	\$ 1.0130	\$ 1.1404	\$ 1.3072	\$ 1.5014
<i>Percentage increase over prior year</i>	6.63%					7.91%	8.77%	12.58%	14.63%	14.86%

CAPITAL REGIONAL DISTRICT
FIVE YEAR CAPITAL EXPENDITURE PLAN SUMMARY - 2026 to 2030

Service No.	2.670 Regional Water Supply	Carry Forward from 2025	2026	2027	2028	2029	2030	TOTAL
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EXPENDITURE

Buildings	\$11,700,000	\$12,200,000	\$0	\$0	\$0	\$0	\$12,200,000
Equipment	\$7,320,000	\$7,430,000	\$6,845,000	\$15,315,000	\$17,515,000	\$1,565,000	\$48,670,000
Land	\$830,000	\$4,335,000	\$2,295,000	\$1,795,000	\$1,045,000	\$695,000	\$10,165,000
Engineered Structures	\$37,905,000	\$45,760,000	\$41,855,000	\$77,675,000	\$58,000,000	\$52,500,000	\$275,790,000
Vehicles	\$804,336	\$2,197,336	\$945,000	\$585,000	\$355,000	\$0	\$4,082,336
	\$58,559,336	\$71,922,336	\$51,940,000	\$95,370,000	\$76,915,000	\$54,760,000	\$350,907,336

SOURCE OF FUNDS

Capital Funds on Hand	\$47,235,000	\$58,742,253	\$20,635,000	\$22,717,000	\$24,718,000	\$26,732,500	\$153,544,753
Debenture Debt (New Debt Only)	\$0	\$882,747	\$30,225,000	\$72,158,000	\$51,642,000	\$28,027,500	\$182,935,247
Equipment Replacement Fund	\$624,336	\$1,397,336	\$855,000	\$495,000	\$355,000	\$0	\$3,102,336
Grants (Federal, Provincial)	\$5,500,000	\$5,500,000	\$0	\$0	\$0	\$0	\$5,500,000
Donations / Third Party Funding	\$5,200,000	\$5,400,000	\$225,000	\$0	\$200,000	\$0	\$5,825,000
Reserve Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$58,559,336	\$71,922,336	\$51,940,000	\$95,370,000	\$76,915,000	\$54,760,000	\$350,907,336

Definitions for the 5-year Capital Plan

Asset Class	<p>Asset class is used to classify assets for financial reporting in accordance with the Public Sector Accounting Board (PSAB) 3150.</p> <p>L - Land</p> <p>S - Engineering Structure</p> <p>B - Buildings</p> <p>V - Vehicles</p> <p>E - Equipment</p>
Capital Expenditure Type	<p>Capital expenditure type is used for reporting on asset investments and may be used to justify operational needs for a service.</p> <p>Study - Expenditure for feasibility and business case report.</p> <p>New - Expenditure for new asset only</p> <p>Renewal - Expenditure upgrades an existing asset and extends the service ability or enhances technology in delivering that service</p> <p>Replacement - Expenditure replaces an existing asset</p>
Carryforward	Represents the carryforward amount from the prior year capital plan that is remaining to be spent. Forecast this spending over the next 5 years.
Funding Source	<p>Debt - Debenture Debt (new debt only)</p> <p>ERF - Equipment Replacement Fund</p> <p>Grant - Grants (Federal, Provincial)</p> <p>Cap - Capital Funds on Hand</p> <p>Other - Donations / Third Party Funding</p> <p>Res - Reserve Fund</p> <p>WU - Water Utility</p> <p>If there is more than one funding source, additional rows are shown for the project.</p>

CAPITAL REGIONAL DISTRICT

5 YEAR CAPITAL PLAN

2026 - 2030

Service #:	2.670
Service Name:	Regional Water Supply

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2026	2027	2028	2029	2030	5 - Year Total
WATERSHED PROTECTION													
Planning													
25-01	Study	Forest Resilience Studies and Assessments	Modelling, studies and assessments of forest fuels, forest health and efficacy of forest treatments in promoting forest resilience.	\$ 685,000	L	WU	\$ 160,000	\$ 285,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 585,000
25-02	New	Public Engagement for Regional Water Supply	Public engagement plans and products.	\$ 130,000	L	WU	\$ 30,000	\$ 30,000	\$ -	\$ 50,000	\$ 50,000	\$ -	\$ 130,000
25-03	Study	GVWSA Risk Assessments & Procedures	Risk assessments and updating procedures for security, biosecurity, spills	\$ 300,000	L	WU	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 300,000
25-04	Study	Master Plan Projects - Watershed Hydrology Support	Additional hydrology/water quality data collection and analyses to inform Master Plan infrastructure projects.	\$ 725,000	S	WU	\$ 30,000	\$ 180,000	\$ 155,000	\$ 100,000	\$ 100,000	\$ 75,000	\$ 610,000
25-05	Study	Forest Management Plan for the GVWSA	Development of a forest management plan for the GVWSA to enhance forest resilience and mitigate climate change.	\$ 220,000	S	WU	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 200,000
Capital													
25-06	New	Forest Resilience Treatments	Thinning, juvenile spacing, forest fuel management treatments to mitigate climate change, reduce wildfire risk and enhance forest resilience.	\$ 1,900,000	L	WU	\$ 200,000	\$ 100,000	\$ 400,000	\$ 200,000	\$ 400,000	\$ 200,000	\$ 1,300,000
25-06	New		Revenue from log sales		L	Other		\$ -	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 400,000
09-01	Renewal	Leech River Watershed Restoration	A 17 year project to restore the Leech WSA lands for water supply.	\$ 5,576,000	L	WU	\$ 240,000	\$ 180,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 380,000
16-06	Renewal	New Field Operations Centre Building	Renewal of Water Quality field office/lab and equipment storage and Watershed Protection office, yard, training space and equipment storage, replacing longstanding temporary facilities.	\$ 15,500,000	B	WU	\$ 6,700,000	\$ 7,200,000	\$ -	\$ -	\$ -	\$ -	\$ 7,200,000
16-06	Renewal		Revenue from sale of IWS Goldstream gravel pit to City of Langford		B	Other	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
25-07	New	Hydromet Upgrades	New and upgraded hydrological and weather sensors and stations.	\$ 972,000	E	WU	\$ 20,000	\$ 120,000	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 320,000
20-01	Replacement	Kapoor Main Mile 1 Bridge and Asphalt Upgrade	Replacement of the existing undersized culvert with a large bridge as well as subsequent 500 m road asphalt replacement	\$ 1,190,000	S	WU	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
25-08	Renewal	Road Improvements	Gravel crushing, road deactivation and road upgrades to service water supply and watershed protection infrastructure and activities in the GVWSA	\$ 2,170,000	L	WU	\$ -	\$ 560,000	\$ 400,000	\$ 350,000	\$ 300,000	\$ 300,000	\$ 1,910,000
25-09	New	Climate Change Mitigations	Equipment, infrastructure and upgrades to harden water supply infrastructure from climate related risks in the GVWSA	\$ 860,000	E	WU	\$ 100,000	\$ 300,000	\$ 150,000	\$ 150,000	\$ 100,000	\$ 100,000	\$ 800,000
25-10	Renewal	Property Management - Assessments and Upgrades	Assessments, planning and implementation of upgrades aimed at newly acquired GVWSA lands.	\$ 683,000	E	WU	\$ -	\$ 225,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 425,000
25-11	Renewal	GVWSA Bridge Supply & Installation	Replacement of undersized culverts with climate ready bridges which allow for fish passage.	\$ 1,905,000	S	WU	\$ -	\$ 450,000	\$ 475,000	\$ 475,000	\$ -	\$ 475,000	\$ 1,875,000
Watershed Protection Sub-Total				\$ 32,816,000			\$ 12,480,000	\$ 15,130,000	\$ 2,355,000	\$ 1,600,000	\$ 1,325,000	\$ 1,325,000	\$ 21,735,000
INFRASTRUCTURE ENGINEERING AND OPERATIONS													
Planning													
16-10	New	Post Disaster Emergency Water Supply	Identify and procure emergency systems for post disaster preparedness.	\$ 2,850,000	S	WU	\$ 120,000	\$ 320,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,120,000
17-13	New	Asset Management Plan	Development of a plan to inform future areas of study and highlight critical infrastructure improvements.	\$ 1,120,000	S	WU	\$ 180,000	\$ 700,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 900,000
19-04	Study	Seismic Assessment of Critical Facilities Phase 2	Second phase seismic assessment of critical facilities will now be undertaken.	\$ 1,075,000	S	WU	\$ 170,000	\$ 170,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 970,000
20-08	Study	Regional Water DCC Program	Design of a Regional DCC Program	\$ 810,000	S	WU	\$ 200,000	\$ 350,000	\$ 100,000	\$ 50,000		\$ -	\$ 500,000
20-10	Study	Condition & Vulnerability Assessment	Conduct a condition assessment of critical supply infrastructure and assess its possibility of risk.	\$ 400,000	S	WU	\$ 20,000	\$ 20,000	\$ -	\$ 200,000	\$ -	\$ -	\$ 220,000
21-05	Study	Level of Service and Transfer Agreements	Develop level-of-service agreements for participating municipalities to address hydraulic capacity of infrastructure.	\$ 400,000	S	WU	\$ 140,000	\$ 240,000	\$ 100,000	\$ 50,000	\$ -	\$ -	\$ 390,000
27-01	Study	Regional Water Master Plan Update	Future update to the Regional Water Master Plan	\$ 500,000	S	WU		\$ -	\$ 250,000	\$ 250,000	\$ -		\$ 500,000
26-01	Study	Master Plan Program Management	Initiation and implementation of the RWS 2022 Master Plan Capital Improvement Program.	\$ 16,400,000	S	WU		\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,000,000
23-12	Study	Project Delivery Strategies and Planning Studies	Develop a strategy to deliver the identified projects from the 2022 RWS Master Plan.	\$ 700,000	S	WU	\$ 50,000	\$ 50,000					\$ 50,000.00

Service #: 2.670

Service Name: Regional Water Supply

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2026	2027	2028	2029	2030	5 - Year Total
26-02	Study	Master Plan Project Delivery	Continued planning, investigation and design of projects identified in the RWS 2022 Master Plan.	\$ 37,325,000	S	WU	\$ -	\$ 1,675,000	\$ 4,450,000.00	\$ 7,950,000.00	\$ 8,400,000.00	\$ 14,850,000.00	\$ 37,325,000.00
26-03	Study	Water Utility Rate Model	Review and assessment of current water rate model to assess best practice going forward.	\$ 250,000	S	WU		\$ 50,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 250,000.00
Capital													
18-08	Replacement	Bulk Supply Meter Replacement and Backflow Prevention Program	Planned replacement of aging bulk meter replacement based upon a condition assessment and water audit.	\$ 3,700,000	E	WU	\$ 500,000	\$ 600,000	\$ 1,000,000	\$ 100,000	\$ 1,000,000		\$ 2,700,000
18-15	Renewal	Corrosion Protection Program	Study deficiencies in the current material protection and implement recommendations.	\$ 1,450,000	S	WU	\$ 50,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000		\$ 500,000
19-23	New	Critical Spare Equipment Storage & Pipe Yard	Plan, design and construct a critical equipment storage building.	\$ 4,050,000	S	WU	\$ 700,000	\$ 3,500,000	\$ -	\$ -	\$ -	\$ -	\$ 3,500,000
20-16	Replacement	Cecelia Meter Replacement	Replacement of the Cecelia billing meter as well as its enclosure.	\$ 1,500,000	S	WU	\$ 600,000	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ 600,000
20-17	Replacement	Decommission & Conceptual Design of the Smith Hill Site	Plan for decommission the conceptual design for the replacement of the Smith Hill reservoir site.	\$ 1,450,000	S	WU	\$ 300,000	\$ 600,000	\$ 600,000	\$ -	\$ -	\$ -	\$ 1,200,000
21-10	Replacement	SCADA Masterplan and System Upgrades	Update the SCADA Master Plan in conjunction with the Juan de Fuca Water Distribution, Saanich Peninsula Water and Wastewater, and Core Area Wastewater Services.	\$ 2,150,000	E	WU	\$ 850,000	\$ 850,000	\$ 600,000	\$ 300,000	\$ -	\$ -	\$ 1,750,000
21-11	Replacement	RWS Supply Main No. 4 Upgrade & Main No. 1 High Pressurizing	Upgrade vulnerable sections of the RWS Supply Main No. 4 and Main No. 1 to a resilient system to better able to withstand a seismic event. Vulnerable sections are Concrete Cylinder pipe material which is susceptible to failure during a seismic event. This is part of project partnered with the Saanich Peninsula Water system.	\$ 93,000,000	S	WU	\$ 2,000,000	\$ 5,000,000	\$ 15,000,000	\$ 60,000,000	\$ 11,400,000	\$ -	\$ 91,400,000
22-15	New	Microwave Radio Upgrades	To provide a high bandwidth communications backbone to the RWS system, a microwave communications system will be installed.	\$ 1,300,000	S	WU	\$ 630,000	\$ 830,000	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 1,030,000
23-16	Renewal	Humpback Channel Assessment	Hydraulically assess the Humpback Overflow channel and conduct a condition assessment of the culverts at the Gatehouse.	\$ 200,000	S	WU	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ 80,000
23-17	Replacement	Main No. 4 - Mt Newton to Highway 17 & Bear Hill Trunk Extension (RWS Contribution to SPWS Project)	Approximately 2.9km of Main No. 4 concrete cylinder transmission main to replacement from Mt Newton Cross Rd/Central Saanich Rd to Island View Rd and Lochside Drive. This project is also being expanded to partially fund the extension of the Bear Hill Tunk Sewer on East Saanich Road from Wallace Drive to Dean Lower Tank.	\$ 39,000,000	S	WU	\$ 25,500,000	\$ 16,000,000	\$ 13,700,000	\$ -	\$ -	\$ -	\$ 29,700,000
23-17	Replacement				S	Grant	\$ 5,500,000	\$ 5,500,000	\$ -	\$ -	\$ -	\$ -	\$ 5,500,000
28-01	Renewal	Transmission Main Upgrade Program	Identify, conceptually design, detail design and construct transmission main upgrades.	\$ 160,000,000	S	WU		\$ -	\$ -	\$ -	\$ 30,000,000	\$ 30,000,000	\$ 60,000,000
24-11	Replacement	IT Core Infrastructure Replacement and cyber security upgrades.	Replacement and upgrades to Core IT infrastructure such as servers, network switches, UPS, etc for equipment end of life and cyber security upgrades. Includes IT equipment located at lower sites within the RWS system.	\$ 420,000	E	WU	\$ 25,000	\$ 25,000	\$ 130,000	\$ 250,000	\$ -	\$ -	\$ 405,000
24-12	Renewal	Head Tank Valve & Main No. 4&5 Valve Replacement	Supply and installation of valves and actuators at Head Tank and Main #4&5. Includes flushing plan and coordination efforts.	\$ 1,750,000	E	WU	\$ 200,000	\$ 200,000	\$ 1,100,000		\$ -	\$ -	\$ 1,300,000
24-19	Renewal	Mount Tolmie Tank Assessment and Improvements	Structural and infiltration improvements, as well as overall hydraulic review of Main No. 3 storage and improvements to controls, piping and other deficiencies.	\$ 5,500,000	E	WU	\$ 3,000,000	\$ 750,000	\$ 1,500,000	\$ 2,250,000	\$ 150,000	\$ -	\$ 4,650,000
25-24	Renewal	Water Treatment Plant Improvements Program	Ongoing program to address multiple, small to mid-scale capital improvements required at the Goldstream WTP and Sooke River Road WTP.	\$ 1,150,000	E	WU	\$ 400,000	\$ 500,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 900,000
26-04	Study	Kapoor Tunnel Assessment and Inspections	Development of inspection and monitoring plan for ongoing asset management.	\$ 750,000	E	WU		\$ 250,000	\$ -	\$ 500,000	\$ -	\$ -	\$ 750,000.00
27-02	Replacement	Supply Main No. 11 Concrete Pipe Replacement and bridge crossing	Replacement of segment of Concrete Cylinder Pipe from Sooke Lake Dam to Head Tank. Incorporate bridge replacement at spillway crossing.	\$ 25,000,000	E	WU		\$ -	\$ 500,000.00	\$ 10,000,000.00	\$ 14,500,000.00	\$ -	\$ 25,000,000.00
Infrastructure Engineering and Operations Sub-Total				\$ 404,200,000			\$ 41,215,000	\$ 40,060,000	\$ 41,630,000	\$ 84,100,000	\$ 67,550,000	\$ 46,850,000	\$ 280,190,000

Service #:	2.670
Service Name:	Regional Water Supply

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2026	2027	2028	2029	2030	5 - Year Total
DAM SAFETY PROGRAM													
19-07	New	Integrate Dam Performance and Hydromet to SCADA	IT driven project to integrate the dam safety instrumentation/surveillance (i.e. piezometers and weirs) and HydroMet stations to report to WIO through the existing SCADA system.	\$ 1,300,000	E	WU	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
19-13	New	Dam Safety Instrumentation	The existing dam safety instrumentation/surveillance equipment is getting older and will need to be replaced/rehabilitated (does not include pending SCADA effort). IT Driven Project	\$ 250,000	E	WU	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
25-13	Study	Sooke Lake & Deception Water Supply Area Dams - Regulatory Compliance, Dam Safety Planning & Analyses	Ongoing projects involving studies, dam safety planning and regulatory requirements activities for the various dams within the Sooke Lake Watershed. Outcomes from the various studies will inform future capital improvements.	\$ 3,500,000	S	WU	\$ 440,000	\$ 1,440,000	\$ 1,200,000	\$ 800,000	\$ 350,000	\$ 600,000.00	\$ 4,390,000
25-14	Renewal	Sooke Lake & Deception Water Supply Area Dams - Upgrades and Improvements Program	Ongoing program to complete dam upgrades and improvements from the Dam Safety Risk Register, which have been identified through the Sooke Lake Water Supply Area Dams - Regulatory, Planning & Analysis Program.	\$ 18,250,000	S	WU	\$ 500,000	\$ 3,000,000	\$ 1,500,000	\$ 3,750,000	\$ 3,500,000	\$ 3,000,000	\$ 14,750,000
25-15	Study	Goldstream Water Supply Area Dams - Regulatory Compliance, Dam Safety Planning & Analyses	Ongoing projects involving studies, dam safety planning and regulatory requirements activities for the various dams within the Goldstream Watershed. Outcomes from the various studies will inform future capital improvements.	\$ 7,200,000	S	WU	\$ 250,000	\$ 550,000	\$ 300,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 1,000,000
25-16	Renewal	Goldstream Water Supply Area Dams - Upgrades and Improvements Program	Ongoing program to complete dam upgrades and improvements from the Dam Safety Risk Register, which have been identified through the Goldstream Water Supply Area Dams - Regulatory, Planning & Analysis Program.	\$ 2,900,000	S	WU	\$ 200,000	\$ 1,200,000	\$ 250,000	\$ 750,000	\$ 900,000	\$ 400,000	\$ 3,500,000
25-17	Study	Charters Dam - Regulatory Compliance, Dam Safety Planning & Analyses	Ongoing projects involving studies, dam safety planning and regulatory requirements activities for Charters Dam. Outcomes from the various studies will inform future capital improvements.	\$ 100,000	S	WU	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
25-18	Renewal	Charters Dam - Upgrades and Improvements Program	Ongoing program to complete dam upgrades and improvements from the Dam Safety Risk Register, which have been identified through the Charters Dam - Regulatory, Planning & Analysis Program.	\$ 200,000	S	WU	\$ 25,000	\$ 25,000	\$ 25,000	\$ -	\$ 150,000	\$ -	\$ 200,000
Dam Safety Program Sub-Total				\$ 33,700,000			\$ 2,765,000	\$ 7,565,000	\$ 3,275,000	\$ 5,350,000	\$ 4,950,000	\$ 4,050,000	\$ 25,190,000
WATER QUALITY													
20-04	New	Sooke Lake HyDy Model Development	Critical data collection, model building+calibration, model utilization for 3 different scenarios	\$ 520,000	E	WU	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -		\$ 150,000
25-19	Study	WQ Studies and Research Projects	Ongoing program budget for water quality studies and operation of Sooke Lake Hydrodynamic Model.	\$ 1,000,000	S	WU	\$ 100,000	\$ 300,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,100,000
24-04	Study	Sooke Lake Drawdown Study	Investigate drawdown effects on Sooke Lake water quality and ecosystem impacts with max drawdown and determine a safe max drawdown level for SOL.	\$ 100,000	S	WU	\$ 20,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 20,000
Water Quality Sub-Total				\$ 1,620,000			\$ 270,000	\$ 470,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,270,000
ANNUAL PROVISIONAL													
17-27	Replacement	Watershed Culvert Replacement	Replacement of small culverts throughout the GVWSA.	\$ 1,300,000	S	WU		\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000
17-28	Replacement	Watershed Security Infrastructure Upgrade & Replacement	New, upgrade and replacement of security infrastructure in the GVWSA.	\$ 1,500,000	E	WU		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
17-29	Replacement	Water Supply Area Equipment & Replacement	Hydrometeorological, fireweather and wildfire suppression equipment replacement.	\$ 720,000	E	WU		\$ 160,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 720,000
17-30	Replacement	Transmission Main Repairs	Emergency repairs to the transmission mains.	\$ 1,000,000	S	WU		\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000.00	\$ 1,000,000
17-31	Replacement	Transmission System Components Replacement	Replacement and repair of transmission components.	\$ 400,000	S	WU		\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000.00	\$ 400,000
17-33	Replacement	Disinfection Equipment and other Water Treatment Components and Parts Replacement	Replacement of incidental equipment and parts associated with the water treatment facilities.	\$ 1,000,000	E	WU		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
17-34	Renewal	Supply System Computer Model Update	Annual update of the regional hydraulic model.	\$ 100,000	S	WU		\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 100,000
19-16	Replacement	Dam Improvements	Items not covered by Dam Safety Reviews, but brought up in Dam Safety Inspections and Dam Safety Reviews and address items in the dam safety database/risk registry and to support operations.	\$ 1,675,000	S	WU		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
19-22	Replacement	SCADA Repairs, Equipment Replacement and Comms upgrades	Items not covered by the SCADA Replacement and SCADA Master Plan, but integral in maintaining the SCADA System and revenue meter system.	\$ 750,000	E	WU		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
21-15	Replacement	Corrosion Protection	Replace corrosion protection assets, such as coatings, for the transmission system when identified.	\$ 250,000	S	WU		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
21-16	Replacement	Valve Chamber Upgrades	Replace failing valves and appurtenances along the RWS supply system.	\$ 1,500,000	S	WU		\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
21-17	Replacement	Water Quality Equipment Replacement	Replacement of water quality equipment for the water quality lab and water quality operations.	\$ 250,000	E	WU		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
21-18	Renewal	LIMS support	Support for LIMS database	\$ 125,000	E	WU		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
23-20	Study	Land Exchange/Acquisition	Land surveys, appraisals to support decisions regarding land exchange to increase catchment area, buffer water supply areas and other possible land exchange and acquisition within the RWS system.	\$ 220,000	L	WU		\$ 80,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 160,000
Annual Provisional Sub-Total				\$ 10,790,000			\$ -	\$ 2,475,000	\$ 2,135,000	\$ 2,135,000	\$ 2,135,000	\$ 2,135,000	\$ 11,015,000

Service #:

2.670

Service Name:

Regional Water Supply

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2026	2027	2028	2029	2030	5 - Year Total
CORPORATE ASSET AND MAINTENANCE MANAGEMENT (CMM)													
17-35	Replacement	Vehicle & Equipment Replacement (Funding from Replacement Fund)	This is for replacement of vehicles and equipment used by CRD Water Services for the day-to-day operation and maintenance of the supply system.	\$ 4,169,250	V	ERF	\$ 624,336	\$ 1,397,336	\$ 855,000	\$ 495,000	\$ 355,000	\$ -	\$ 3,102,336
23-21	New	EV Charging Stations Electrical Infrastructure	Electrical System upgrades at 479 Island Hwy to power up 44 charging stations	\$ 1,255,000	E	WU	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
23-22	New	Fuel Truck	Fuel tender truck	\$ 325,000	E	WU	\$ 325,000	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ 325,000
23-31	New	Land and Site Works	Purchasing of land and site works to support RWS facilities.	\$ 6,500,000	L	WU	\$ 200,000	\$ 3,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ 5,000,000
25-22	New	New Vehicles - Watershed & Water Operations	4 New Electric Vehicles for Watershed & Water Operations	\$ 360,000	V	WU	\$ 180,000	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ 180,000
25-23	New	Enterprise Asset Management System	Development of EAM system, including software and process implementation, for services to maintain assets and report on asset performance.	\$ 4,600,000	E	WU	\$ -	\$ -	\$ 375,000	\$ 400,000	\$ 400,000	\$ 200,000	\$ 1,375,000
25-23	New	Enterprise Asset Management System			E	Other	\$ 200,000	\$ 400,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 425,000
26-05	New	New Electric Vehicles Watershed, Fleet Pool	New electric vehicles for Watershed and Fleet pool.	\$ 360,000	V	WU	\$ -	\$ 180,000	\$ 90,000.00	\$ 90,000.00	\$ -	\$ -	\$ 360,000.00
26-06	New	Fleet Service Trucks	One new heavy pickup truck and transfer Regional Parks Ops fleet mechanic service truck to Corporate Fleet.	\$ 180,000	V	WU	\$ -	\$ 180,000		\$ -	\$ -	\$ -	\$ 180,000.00
26-07	New	Flail Mower and addition of deck mower attachment	Transfer of Parks Flail Mower to RWS-WP and addition of deck mower attachment	\$ 260,000	V	WU		\$ 260,000	\$ -	\$ -	\$ -	\$ -	\$ 260,000.00
CMM Sub-Total				\$ 18,009,250			\$ 1,829,336	\$ 6,222,336	\$ 2,345,000	\$ 1,985,000	\$ 755,000	\$ 200,000	\$ 11,507,336
Grand Total				\$ 501,135,250			\$ 58,559,336	\$ 71,922,336	\$ 51,940,000	\$ 95,370,000	\$ 76,915,000	\$ 54,760,000	\$ 350,907,336

Service: 2.670 Regional Water Supply			
Project Number 25-01	Capital Project Title Forest Resilience Studies and Assessments	Capital Project Description Modelling, studies and assessments of forest fuels, forest health and efficacy of forest treatments in promoting forest resilience.	Project Rationale Watershed Protection is undertaking and working collaboratively with academic institutions and federal and provincial agencies on a variety of assessments and research studies relating to the health of forests and other ecosystems in the GVWSA, how projected climate change could affect forest health and wildfire in the GVWSA, how forest management could reduce potential threats to forests, and the effects of existing forest thinning trials and fuel management activities. The results of these assessments and studies will be used to inform the forest management plan for the GVWSA (Project 25-05).
Project Number 25-02	Capital Project Title Public Engagement for Regional Water Supply	Capital Project Description Public engagement plans and products.	Project Rationale The Watershed Protection division provides educational tours of the GVWSA and Regional Water Supply infrastructure and is seeking new ways to making this information available to a broader portion of the service area population. In future years, enhanced public engagement on the master plan will be undertaken.
Project Number 25-03	Capital Project Title GVWSA Risk Assessments & Procedures	Capital Project Description Risk assessments and updating procedures for security, biosecurity, spills	Project Rationale Assessments such as biosecurity and security are required to determine how best to reduce risks to water quality in the GVWSA. The results of assessments are used to develop and implement plans and procedures.
Project Number 25-04	Capital Project Title Master Plan Projects - Watershed Hydrology Support	Capital Project Description Additional hydrology/water quality data collection and analyses to inform Master Plan infrastructure projects.	Project Rationale Additional hydrology and water quality data and analyses are needed to provide a good quality dataset to inform Master Plan infrastructure projects.
Project Number 25-05	Capital Project Title Forest Management Plan for the GVWSA	Capital Project Description Development of a forest management plan for the GVWSA to enhance forest resilience and mitigate climate change.	Project Rationale Development of a forest management plan for the GVWSA to enhance forest resilience and mitigate climate change based on modelling, risk assessment, input from subject matter experts, First Nations and the public.

Service: 2.670 Regional Water Supply			
Project Number 25-06	Capital Project Title Forest Resilience Treatments	Capital Project Description Thinning, juvenile spacing, forest fuel management treatments to mitigate climate change, reduce wildfire risk and enhance forest resilience.	Project Rationale This project will be used to fund a variety of forest and fuel management treatments to reduce risks and enhance the resilience of forests in the GVWSA in a changing climate. The specific approaches and methodologies will be informed by the results of a variety of landscape level inventories and assessments and learnings from the evaluation of the effectiveness and effects of forest and fuel management to date.
Project Number 09-01	Capital Project Title Leech River Watershed Restoration	Capital Project Description A 17 year project to restore the Leech WSA lands for water supply.	Project Rationale A 17 year project to restore the Leech WSA lands for water supply. An update of projects completed and planned was provided in June 2019 (RWSC Report #19-13). Recent years funding has been used predominantly to upgrade the permanent road network. A review will be undertaken and the final years of funding assigned to ensure substantial completion of the recommendations of the Leech River Watershed Assessment.
Project Number 16-06	Capital Project Title New Field Operations Centre Building	Capital Project Description Renewal of Water Quality field office/lab and equipment storage and Watershed Protection office, yard, training space and equipment storage, replacing longstanding temporary facilities.	Project Rationale Watershed Protection staff (27 FTE and 8 seasonal auxiliaries) are currently located in 2 trailers and a house at the Goldstream Gate entrance to the water supply area, and in office space at the Integrated Water Services office in View Royal. The trailers were considered temporary office space since their implementation over 15 years ago. The trailers are old, prone to leaks and a concern for mold. Water Quality field staff are located in another temporary facility, since their field office was on the gravel pit property that was sold to Langford. In addition, there are insufficient facilities for operational training, equipment storage, emergency management and public education. The separation of staff between various Goldstream facilities and the View Royal location causes inefficiencies and organizational difficulties. The IWS office is also above capacity and moving Watershed Protection staff out will extend the existing office space. A design build contract is being signed in September 2025 to deliver the project with a rough total project cost of \$15.5 million. Funding of \$ 5 million to the project was obtained through the completion of sale of the IWS gravel pit to City of Langford. Additional funding of \$3 million will be transferred from CRD Corporate for Emergency Operations Centre and office space.
Project Number 25-07	Capital Project Title Hydromet Upgrades	Capital Project Description New and upgraded hydrological and weather sensors and stations.	Project Rationale Watershed Protection manages a network of 13 weather stations and 23 hydrometric (stream monitoring) stations in the GVWSA. Data from these stations are used to inform decision making relating to reservoir inflows, reservoir management, wildfire restrictions and wildfire response, flood and emergency response, and for assessments, modelling, analyses, and strategic and operational planning. The network was started in 1995 and new standards, technologies, and data needs require new stations and the upgrade and expansion of existing stations and data download, management, and distribution capabilities for continual improvement.

Service: 2.670 Regional Water Supply			
Project Number 20-01	Capital Project Title Kapoor Main Mile 1 Bridge and Asphalt Upgrade	Capital Project Description Replacement of the existing undersized culvert with a large bridge as well as subsequent 500 m road asphalt replacement.	Project Rationale In 2025 the existing culvert at Mile 1 on Kapoor Main (which is the primary access road to Sooke Lake Reservoir and Dam) was replaced with a bridge to improve water carrying capacity at peak flows, fish passage and bank stability. The asphalt section uphill of the bridge is to be replaced in 2026.
Project Number 25-08	Capital Project Title Road Improvements	Capital Project Description Gravel crushing, road deactivation and road upgrades to service water supply and watershed protection infrastructure and activities in the GVWSA	Project Rationale The network of roads within the GVWSA provide access to water supply facilities and infrastructure and for emergency response, security patrols, watershed management activities as well as research and monitoring. It is important that these roads be upgraded to accommodate the increased intensity, frequency, duration of major rainfall events with projected climate change, that new roads are developed where needed, and that unnecessary an/or poorly located roads are deactivated to reduce maintenance costs and reduce environmental concerns.
Project Number 25-09	Capital Project Title Climate Change Mitigations	Capital Project Description Equipment, infrastructure and upgrades to harden water supply infrastructure from climate related risks in the GVWSA	Project Rationale This fund consolidates a number of smaller projects to purchase equipment and develop or update infrastructure within the GVWSA to improve response to extreme weather events, adapt to increased variation in the level of Sooke Lake Reservoir, and reduce risk to key infrastructure. A focus for 2026 is reducing risk of wildfire stemming from sparks from the powerline along Sooke Lake Reservoir by assessing and mitigating trees that could fall onto the line; as well as planning and implementing a dock for Sooke Lake Reservoir.
Project Number 25-10	Capital Project Title Property Management - Assessments and Upgrades	Capital Project Description Assessments, planning and implementation of upgrades aimed at newly acquired GVWSA lands.	Project Rationale When new properties are aquired, there are assessments that need to be carried out to determine the condition of roads and drainage structures, identify security needs, and other land/forest management issues, and then plan and implement improvements to meet CRD requirements and integrate these lands into Watershed Protection management programs. A focus in 2026 will be the newly acquired Kapoor lands as well as the Malahat Estates parcel.
Project Number 25-11	Capital Project Title GVWSA Bridge Supply & Installation	Capital Project Description Replacement of undersized culverts with climate ready bridges which allow for fish passage.	Project Rationale Watershed Protection has inventoried all drainage structures (culverts) within the GVWSA and is systematically replacing undersized structures on major streams with bridges to meet current environmental and flow standards and accommodate the projected increases in stream flows with a changing climate. This fund will be used for the costs associated with assessments, engineering, construction and installation of bridge projects in the GVWSA. The funds allocated implement one bridge project per year.

Service: 2.670 Regional Water Supply			
Project Number	16-10	Capital Project Title	Post Disaster Emergency Water Supply
Capital Project Description	Identify and procure emergency systems for post disaster preparedness.		
Project Rationale	In the event of a disaster, it is proposed to have in place the ability to source, treat (if required) and distribute drinking water during the initial and sustained response and recovery phases to the public. This item will see the study of the issue in 2016 and 2017 with the anticipated purchase of one or more emergency distribution systems in 2017. Initial investigation has highlighted areas, such as having hardened hydrants/standpipes that the CRD should be investing in. Additional funds are required to continue implementing these additional works and equipment.		
Project Number	17-13	Capital Project Title	Asset Management Plan
Capital Project Description	Development of a plan to inform future areas of study and highlight critical infrastructure improvements.		
Project Rationale	Asset Management Planning necessary to effectively manage asset life cycles and plan for future improvement works.		
Project Number	19-04	Capital Project Title	Seismic Assessment of Critical Facilities Phase 2
Capital Project Description	Second phase seismic assessment of critical facilities will now be undertaken.		
Project Rationale	Initially identified as a priority from an earlier iteration of the Strategic Plan, a second phase seismic assessment of critical facilities will now be undertaken.		
Project Number	20-08	Capital Project Title	Regional Water DCC Program
Capital Project Description	Design of a Regional DCC Program		
Project Rationale	Development and implementation of a Developer Cost Charge (DCC) program for the Regional Water Supply system. This program will help identify where projects are required for future growth and help fund those costs from developments.		
Project Number	20-10	Capital Project Title	Condition & Vulnerability Assessment
Capital Project Description	Conduct a condition assessment of critical supply infrastructure and assess its possibility of risk.		
Project Rationale	The RWSC is a large system with infrastructure of various ages and condition. Funding is required to conduct a condition assessment of critical infrastructure, assess their risk of failure, and provide a high level timeline for replacement/renewal.		
Project Number	21-05	Capital Project Title	Level of Service and Transfer Agreements
Capital Project Description	Develop level-of-service agreements for participating municipalities to address hydraulic capacity of infrastructure.		
Project Rationale	Develop level-of-service agreements for participating municipalities to address hydraulic capacity of infrastructure.		

Service: 2.670 Regional Water Supply			
Project Number 27-01	Capital Project Title Regional Water Master Plan Update	Capital Project Description Future update to the Regional Water Master Plan	Project Rationale Update the RWS 2022 Master Plan based upon findings of the planning studies completed to date and work-in-progress being completed by Carollo Engineers. To re-assess the impacting factors such as climate change, population growth, water demand, changing regulations, etc. It is proposed to complete the work that is underway in order to inform the update and therefore deferring this project until 2028.
Project Number 26-01	Capital Project Title Master Plan Program Management	Capital Project Description Initiation and implementation of the RWS 2022 Master Plan Capital Improvement Program.	Project Rationale Funding to cover forecasted program management costs.
Project Number 23-12	Capital Project Title Project Delivery Strategies and Planning Studies	Capital Project Description Develop a strategy to deliver the identified projects from the 2022 RWS Master Plan.	Project Rationale In 2025, Carollo Engineers initiated its assignment to define many program management related topics, all to be summed up into a Program Implementation Plan (PIP). This PIP will address the program governance framework, program resourcing plan, funding and grant strategy, permitting, regulatory management plan, communications plan, project delivery/procurement models, First Nations engagement, funding strategy, etc. Once Carollo is complete with the current assignment, this capital project will carry-on in subsequent years to address the foregoing during the life of the program.
Project Number 26-02	Capital Project Title Master Plan Project Delivery	Capital Project Description Continued planning, investigation and design of projects identified in the RWS 2022 Master Plan.	Project Rationale Consolidates existing projects #23-13, #23-24, #23-25, #23-26, #23-27, and #23-28 in the short-term until Carollo Engineers completes its current assignment. Further, conceptualization of the projects identified in the RWS 2022 Master Plan based on the program risk management strategy, program vision, goal, and guiding principles, and updated project prioritization. A future Comprehensive Project Definition Report will address many topics for all of the proposed projects including siting studies, long term water supply planning, land acquisition requirements, conceptual design, geotechnical investigations, permitting, schedule development and cost estimating. This will also include the Filtration Plant Pilot Testing, and detailed design for the various projects. Carollo will provide a detailed work-breakdown-structure of scope, schedule and budgets for each project that will be reintroduced in subsequent capital plans.
Project Number 26-03	Capital Project Title Water Utility Rate Model	Capital Project Description Review and assessment of current water rate model to assess best practice going forward.	Project Rationale Necessary to keep ahead of service financial sustainability.

Service: 2.670 Regional Water Supply			
Project Number	18-08	Capital Project Title	Bulk Supply Meter Replacement and Backflow Prevention Program Capital Project Description Planned replacement of aging bulk meter replacement based upon a condition assessment and water audit.
Project Rationale	This item is to replace, upgrade and install new bulk water meters and related equipment that measure flow and volumes of water delivered to the wholesale customers. Many of the meter stations are in need of upgrading. Funding is required to replace the flow meter and appurtenances.		
Project Number	18-15	Capital Project Title	Corrosion Protection Program Capital Project Description Study deficiencies in the current material protection and implement recommendations.
Project Rationale	This item is to assess, design and implement cathodic protection for the various infrastructure, including steel pipes, that are susceptible to corrosion. The supply system has various implementations of cathodic protection ranging from interior/exterior coatings for pipe and passive anodes to impressed current systems with variable results and condition. Funding is required for ongoing improvements as recommended by a cathodic protection specialist.		
Project Number	19-23	Capital Project Title	Critical Spare Equipment Storage & Pipe Yard Capital Project Description Plan, design and construct a critical equipment storage building.
Project Rationale	Additional and accessible storage is required at the pipe yard for critical spare equipment such as repair bands and clamps. Funds are required to pland, design and construct an equipment storage building accessible by loading vehicles.		
Project Number	20-16	Capital Project Title	Cecelia Meter Replacement Capital Project Description Replacement of the Cecelia billing meter as well as its enclosure.
Project Rationale	Project to replace Cecelia Water Meter, which was identified in a previous consultant report as in need of replacement for end of life and accuracy. This is RWS' largest billing meter.		
Project Number	20-17	Capital Project Title	Decommission & Conceptual Design of the Smith Hill Site Capital Project Description Plan for decommission the conceptual design for the replacement of the Smith Hill reservoir site.
Project Rationale	The Smith Hill reservoir has not been in operation for many years. Consideration for decommissioning now has to be factored in with recent suggestions in the 2022 Master Plan.		
Project Number	21-10	Capital Project Title	SCADA Masterplan and System Upgrades Capital Project Description Update the SCADA Master Plan in conjunction with the Juan de Fuca Water Distribution, Saanich Peninsula Water and Wastewater, and Core Area Wastewater Services.
Project Rationale	The SCADA and radio system utilized by the RWS comprises of components ranging from 2-25 years in age. A planned replacement of assets, to be coordinated with the Juan de Fuca Water Distribution and Saanich Peninsula Water & Wastewater Systems is required to create a more resilient and cohesive communications system		

Service: 2.670 Regional Water Supply			
Project Number	21-11	Capital Project Title	RWS Supply Main No. 4 Upgrade & Main No. 1 High Pressurizing
			Capital Project Description
			Upgrade vulnerable sections of the RWS Supply Main No. 4 and Main No. 1 to a resilient system to better able to withstand a seismic event. Vulnerable sections are Concrete Cylinder pipe material which is susceptible to failure during a seismic event. This is part of project partnered with the Saanich Peninsula Water system.
Project Rationale	Sections of RWS Supply Main No. 4 have been identified as being vulnerable due to age and material type during a seismic event and require replacement. To support replacement of the Goldstream section of Main No. 4, improvements to RWS Supply Main No. 1 are required, such as replacement of approximately 40 m of transmission Main #1 at Watkiss Way and upgrade of the Watkiss PRV, upgrade of the Millstream PRV, modifications to the Humpback PRV and construction of five new pressure control stations. This project is part of a project partnered with the Saanich Peninsula Water System to increase the resilience of the water system by replacing vulnerable sections of transmission mains. The budget breakdown of the works: Goldstream section of Main #4 \$21,975,000; Watkiss Way section of Main #1 \$950,000; Watkiss PRV \$1,250,000; Millstream PRV \$1,350,000; Humpback PRV improvements \$825,000; Five new PRVs		
Project Number	22-15	Capital Project Title	Microwave Radio Upgrades
			Capital Project Description
			To provide a high bandwidth communications backbone to the RWS system, a microwave communications system will be installed.
Project Rationale	To provide a high bandwidth communications backbone to the RWS system, a microwave communications system will be installed. Supports current and future fire detection cameras.		
Project Number	23-16	Capital Project Title	Humpback Channel Assessment
			Capital Project Description
			Hydraulically assess the Humpback Overflow channel and conduct a condition assessment of the culverts at the Gatehouse.
Project Rationale	Hydraulically assess the overflow system to determine what upgrades or alterations may be required to avoid system failure in extreme weather events. Previous system failures have resulted in damage to the adjacent roadway and significant erosion at the outlet, exposing main No. 4.		

Service: 2.670 Regional Water Supply			
Project Number	23-17	Capital Project Title	Main No. 4 - Mt Newton to Highway 17 & Bear Hill Trunk Extension (RWS Contribution to SPWS Project)
		Capital Project Description	Approximately 2.9km of Main No. 4 concrete cylinder transmission main to replacement from Mt Newton Cross Rd/Central Saanich Rd to Island View Rd and Lochside Drive. This project is also being expanded to partially fund the extension of the Bear Hill Tunk Sewer on East Saanich Road from Wallace Drive to Dean Lower Tank.
Project Rationale Main No. 4 project portion: Replacement of concrete cylinder pipe on Main No. 4 is deemed critical for resiliency of the water supply to the Saanich Peninsula. A Strategic Priorities Fund grant was approved to fund a portion of this work. CRD have since expanded the scope and adjusted the alignment so that approximately 450meters of additional concrete cylinder pipe can be removed under a single contract private property and environmental impacts can be better mitigated through alignment adjustment. Bear Hill Trunk project portion: This project portion is to be shared with Saanich Peninsula Water Supply but is proposed to be partially funded by RWS, since this will provide better water supply redundancy to the Saanich Peninsula and will also reduce some of the future scope requirements for RWS to proceed with Project M11 as identified in the Master Plan.			
Project Number	28-01	Capital Project Title	Transmission Main Upgrade Program
		Capital Project Description	Identify, conceptually design, detail design and construct transmission main upgrades.
Project Rationale Transmission mains that are nearing end of life due to long service require condition assessments and then design and construction of replacement mains where needed. Budget is a future placeholder but project details and budgets will be further refined as the delivery year approaches.			
Project Number	24-11	Capital Project Title	IT Core Infrastructure Replacement and cyber security upgrades.
		Capital Project Description	Replacement and upgrades to Core IT infrastructure such as servers, network switches, UPS, etc for equipment end of life and cyber security upgrades. Includes IT equipment located at tower sites within the RWS system.
Project Rationale Replacement of Core IT infrastructure such as servers, network switches, UPS, etc for equipment end of life. Includes IT equipment located at tower sites within the RWS system.			
Project Number	24-12	Capital Project Title	Head Tank Valve & Main No. 4&5 Valve Replacement
		Capital Project Description	Supply and installation of valves and actuators at Head Tank and Main #4&5. Includes flushing plan and coordination efforts.
Project Rationale Supply and installation of valves and actuators at Head Tank and Main #4&5. Includes flushing plan and coordination efforts.			

Service: 2.670 Regional Water Supply			
Project Number	24-19	Capital Project Title	Mount Tolmie Tank Assessment and Improvements Capital Project Description Structural and infiltration improvements, as well as overall hydraulic review of Main No. 3 storage and improvements to controls, piping and other deficiencies.
Project Rationale	Initial budget for multiple improvements to Mount Tolmie Tank, including structural repairs to address leakage and structural repairs discovered at Mount Tolmie Tank in Q4 2023, control valve and piping upgrades, assessment of adjacent buried pipe work.		
Project Number	25-24	Capital Project Title	Water Treatment Plant Improvements Program Capital Project Description Ongoing program to address multiple, small to mid-scale capital improvements required at the Goldstream WTP and Sooke River Road WTP.
Project Rationale	Program Level budget to allow staff to implement small to mid-scale capital improvements required at the Goldstream and Sooke River Road Water Treatment Plants. This budget is initiated from funds left over from the Goldstream UV and Controls Upgrades project but will be carried forward and built upon as a program for term projects needing to be coordinated at the two Regional treatment facilities. Some initial projects include improvements to workstations, buried pipe replacement to replace injection line to mech room bypass, systems control training, GWTP #5 Injection Chamber Analyzer Lines improvements, other small scale piping and monitoring improvements.		
Project Number	26-04	Capital Project Title	Kapoor Tunnel Assessment and Inspections Capital Project Description Development of inspection and monitoring plan for ongoing asset management.
Project Rationale	Development of plan for ongoing tunnel monitoring plan. Work with external experts to develop best management practices for monitoring this tunnel asset.		
Project Number	27-02	Capital Project Title	Supply Main No. 11 Concrete Pipe Replacement and bridge crossing Capital Project Description Replacement of segment of Concrete Cylinder Pipe from Sooke Lake Dam to Head Tank. Incorporate bridge replacement at spillway crossing.
Project Rationale	Critical segment of main with vulnerability due to concrete cylinder pipe crossing of spillway channel. Review to replace this segment of pipe and all of this concrete cylinder pipe alignment.		

Service: 2.670 Regional Water Supply			
Project Number	19-07	Capital Project Title	Integrate Dam Performance and Hydromet to SCADA Capital Project Description IT driven project to integrate the dam safety instrumentation/surveillance (i.e. piezometers and weirs) and HydroMet stations to report to WIO through the existing SCADA system.
Project Rationale Based on capital project 18-19, dam performance piezometers and weirs and Hydromet/Dam Safety Instrumentation stations will be integrated through the SCADA system.			
Project Number	19-13	Capital Project Title	Dam Safety Instrumentation Capital Project Description The existing dam safety instrumentation/surveillance equipment is getting older and will need to be replaced/rehabilitated (does not include pending SCADA effort). IT Driven Project
Project Rationale Aging Hydromet/Dam Safety Instrumentation stations maintained by Infrastructure Engineering require replacement so that ongoing monitoring within the watersheds can be maintained. Funds are required for upgrades and replacement of existing Hydromet Stations.			
Project Number	25-13	Capital Project Title	Sooke Lake & Deception Water Supply Area Dams - Regulatory Compliance, Dam Safety Planning & Analyses Capital Project Description Ongoing projects involving studies, dam safety planning and regulatory requirements activities for the various dams within the Sooke Lake Watershed. Outcomes from the various studies will inform future capital improvements.
Project Rationale Capital funding will be used to resolve a prioritized list of issues from the Dam Safety Risk Register, identified during dam surveillance activities, Dam Safety audits, and legislated Dam Safety Reviews. The issues to be resolved relate to dam safety analyses, dam safety planning and program work, and regulatory compliance.			
Project Number	25-14	Capital Project Title	Sooke Lake & Deception Water Supply Area Dams - Upgrades and Improvements Program Capital Project Description Ongoing program to complete dam upgrades and improvements from the Dam Safety Risk Register, which have been identified through the Sooke Lake Water Supply Area Dams - Regulatory, Planning & Analysis Program.
Project Rationale This is an ongoing program to be adaptable to addressing projects in the Sooke Lake Watershed Dams from the Dam Safety Risk Register. Some key projects in the near term include: Sooke Lake Dam (SLD) Instrumentation Improvements, SLD Spillway crack repairs (wet side), SLD Spillway crack repairs (Ogee/Wing Walls), Deception Dam Low Level Overflow Replacement, SLD Gate Controls/automation, SLD Stop Logs Replacements, SLD Log Booms (Narrows and Main Dam), future buttressing of Deception Dam and various other improvements that may be prioritized based on risk.			

Service: 2.670 Regional Water Supply			
Project Number	25-15	Capital Project Title	Capital Project Description Goldstream Water Supply Area Dams - Regulatory Compliance, Dam Safety Planning & Analyses Ongoing projects involving studies, dam safety planning and regulatory requirements activities for the various dams within the Goldstream Watershed. Outcomes from the various studies will inform future capital improvements.
Project Rationale	Capital funding will be used to resolve a prioritized list of issues from the Dam Safety Risk Register, identified during dam surveillance activities, Dam Safety audits, and legislated Dam Safety Reviews. The issues to be resolved relate to dam safety analyses, dam safety planning and program work, and regulatory compliance.		
Project Number	25-16	Capital Project Title	Capital Project Description Goldstream Water Supply Area Dams - Upgrades and Improvements Program Ongoing program to complete dam upgrades and improvements from the Dam Safety Risk Register, which have been identified through the Goldstream Water Supply Area Dams - Regulatory, Planning & Analysis Program.
Project Rationale	This is an ongoing program to be adaptable to addressing projects in the Goldstream Watershed Dams from the Dam Safety Risk Register. Some key projects in the near term include: Goldstream gates (High Level and 3 Low Level) being assessed and potentially replaced, Concrete repairs, instrumentation implementation and project management efforts at the program level to prioritize capital works as studies are being completed.		
Project Number	25-17	Capital Project Title	Capital Project Description Charters Dam - Regulatory Compliance, Dam Safety Planning & Analyses Ongoing projects involving studies, dam safety planning and regulatory requirements activities for Charters Dam. Outcomes from the various studies will inform future capital improvements.
Project Rationale	Capital funding will be used to resolve a prioritized list of issues from the Dam Safety Risk Register, identified during dam surveillance activities, Dam Safety audits, and legislated Dam Safety Reviews. The issues to be resolved relate to dam safety analyses, dam safety planning and program work, and regulatory compliance.		

Service: 2.670 Regional Water Supply			
Project Number	25-18	Capital Project Title	Charters Dam - Upgrades and Improvements Program Capital Project Description Ongoing program to complete dam upgrades and improvements from the Dam Safety Risk Register, which have been identified through the Charters Dam - Regulatory, Planning & Analysis Program.
Project Rationale	Budget to address capital improvements identified through the dam safety risk register.		
Project Number	20-04	Capital Project Title	Sooke Lake HyDy Model Development Capital Project Description Critical data collection, model building+calibration, model utilization for 3 different scenarios
Project Rationale	This project involves building and calibrating a hydrodynamic model of Sooke Lake Reservoir using key data inputs. The model will be applied to assess three different scenarios, providing valuable insight for future management and operational strategies.		
Project Number	25-19	Capital Project Title	WQ Studies and Research Projects Capital Project Description Ongoing program budget for water quality studies and operation of Sooke Lake Hydrodynamic Model.
Project Rationale	Managing WQ Studies and Research projects under a program will allow CRD more operational flexibility managing priorities and adapting to changing operational needs.		
Project Number	24-04	Capital Project Title	Sooke Lake Drawdown Study Capital Project Description Investigate drawdown effects on Sooke Lake water quality and ecosystem impacts with max drawdown and determine a safe max drawdown level for SOL.
Project Rationale			
Project Number	17-27	Capital Project Title	Watershed Culvert Replacement Capital Project Description Replacement of small culverts throughout the GVWSA.
Project Rationale	This provides annual funding for the replacement of culverts that have reached end of life and/or are undersized given present knowledge of potential peak water flows and anticipated climate change effects. With the completion of peak flow modelling of all major structures in the Sooke and Goldstream WSAs in 2017, additional funds are required beginning in 2018 to upgrade identified structures to current standards. Costs of upgrades have increased significantly in the last 5 years.		

Service: 2.670 Regional Water Supply			
Project Number	17-28	Capital Project Title	Watershed Security Infrastructure Upgrade & Replacement
Capital Project Description	New, upgrade and replacement of security infrastructure in the GVWSA.		
Project Rationale	The outer boundary of the Leech, Sooke and Goldstream Water Supply Areas is approximately 119 kilometers in length. Main access roads are gated and there are 11 kilometers of existing security fencing. A constant effort is needed to maintain a closed watershed. Through monitoring, high incident areas are identified, security plans are developed, and security infrastructure (fencing, gates and signage) is installed or upgraded where required. An uplift in provisional funding is requested due to increased costs of fencing and gates.		
Project Number	17-29	Capital Project Title	Water Supply Area Equipment & Replacement
Capital Project Description	Hydrometeorological, fireweather and wildfire suppression equipment replacement.		
Project Rationale	This provides annual funding for the replacement or upgrading of equipment for wildfire suppression and spill response, fire weather stations, hydro-meteorological monitoring and water quality sampling and monitoring equipment. Given an expansion of the hydrology and meteorology network of stations and sensors, an additional \$50,000 per year is added in 2020 and going forward. In 2021 and going forward, funding is reduced by \$20,000 as water quality equipment will be funded under a separate line item (21-17). A revised level of funding is requested beginning in 2023 that reflects forecasted needs.		
Project Number	17-30	Capital Project Title	Transmission Main Repairs
Capital Project Description	Emergency repairs to the transmission mains.		
Project Rationale	Each year a visual inspection of this critical supply tunnel is carried out by CRD staff. This capital item allows for minor repairs that are discovered during these inspections. This also allows for annual funding for repair of emergency breaks on large diameter supply mains.		
Project Number	17-31	Capital Project Title	Transmission System Components Replacement
Capital Project Description	Replacement and repair of transmission components.		
Project Rationale	This is an annual allowance for the capital costs for the replacement and repair of supply system components that fail under normal operation and maintenance during the year.		
Project Number	17-33	Capital Project Title	Disinfection Equipment and other Water Treatment Components and Parts Replacement
Capital Project Description	Replacement of incidental equipment and parts associated with the water treatment facilities.		
Project Rationale	The annual work includes the replacement of the plastic gas feed piping that has become very brittle, installing air valves on the ammonia solution lines, installing and replacing shut off valves on the booster pumps supply piping, installing indicator stems on UV cooling water valves, relocating the UV cooling water feed pipes, improving the landscaping around the UV building to reduce dust and other minor upgrades.		
Project Number	17-34	Capital Project Title	Supply System Computer Model Update
Capital Project Description	Annual update of the regional hydraulic model.		
Project Rationale	This item is to allow for staff and consultant time each year to keep the hydraulic computer model current.		

Service: 2.670 Regional Water Supply			
Project Number	19-16	Capital Project Title	Dam Improvements Items not covered by Dam Safety Reviews, but brought up in Dam Safety Inspections and Dam Safety Reviews and address items in the dam safety database/risk registry and to support operations.
Project Rationale	Dam Safety Inspections are carried out throughout the year and result in minor improvements at each dam annually. This budget is intended for smaller scale improvements, typically to be completed by operations staff in a short duration and which are not captured under the larger "Term" programs.		
Project Number	19-22	Capital Project Title	SCADA Repairs, Equipment Replacement and Comms upgrades Items not covered by the SCADA Replacement and SCADA Master Plan, but integral in maintaining the SCADA System and revenue meter system.
Project Rationale	This item is to allow for unplanned SCADA repairs and equipment replacement not covered by the capital projects SCADA Replacement.		
Project Number	21-15	Capital Project Title	Corrosion Protection Replace corrosion protection assets, such as coatings, for the transmission system when identified.
Project Rationale	There are numerous assets with varying levels of corrosion protection throughout the RWS system. Funds are required to ensure that corrosion protection assets are replaced or rehabilitated when identified.		
Project Number	21-16	Capital Project Title	Valve Chamber Upgrades Replace failing valves and appurtenances along the RWS supply system.
Project Rationale	The RWS system has numerous isolation and air valves along the transmission system, usually in underground chambers. Funds are required for replacement of valves and chamber upgrades as they are identified.		
Project Number	21-17	Capital Project Title	Water Quality Equipment Replacement Replacement of water quality equipment for the water quality lab and water quality operations
Project Rationale	This provides annual funding for the replacement or upgrading of equipment for the water quality lab, sampling, and operations. Of this provisional budget, \$20,000 was previously included in item 17-29 (Water Supply Area annual provisional budget)		
Project Number	21-18	Capital Project Title	LIMS support Support for LIMS database
Project Rationale	Provides for support for the laboratory information management system		

Service: 2.670 Regional Water Supply			
Project Number	23-20	Capital Project Title	Land Exchange/Acquisition
Capital Project Description	Land surveys, appraisals to support decisions regarding land exchange to increase catchment area, buffer water supply areas and other possible land exchange and acquisition within the RWS system.		
Project Rationale	There are opportunities to increase the catchment and critical buffer areas of Sooke, Goldstream and the Leech WSA by purchase or land exchange with surrounding land owners. From time to time, the RWS System requires acquisition of lands for infrastructure purposes. Funds will be used when needed to undertake appraisals, legal surveys, and legal fees for work to develop agreements to purchase or exchange lands for the Regional Water Supply Area or System.		
Project Number	17-35	Capital Project Title	Vehicle & Equipment Replacement (Funding from Replacement Fund)
Capital Project Description	This is for replacement of vehicles and equipment used by CRD Water Services for the day-to-day operation and maintenance of the supply system.		
Project Rationale	This is for replacement of vehicles and equipment used by CRD Water Services for the day-to-day operation and maintenance of the supply system. The Equipment Replacement Fund is used to fund the expenditure. The requests have been adjusted to align with the pricing for electric vehicles.		
Project Number	23-21	Capital Project Title	EV Charging Stations Electrical Infrastructure
Capital Project Description	Electrical System upgrades at 479 Island Hwy to power up 44 charging stations		
Project Rationale	In support of the CRD's Climate Action Strategy to reduce the corporate GHG emissions. The CRD Fleet of vehicles is one of the larger contributors to the generation of GHG's. Integrated Water Services identified 44 of the approx. 100 vehicles that operate out of the 479 Island location for replacement with Electrical Vehicles by 2030. In preparation for providing the proper charging network at 479 an Electric Vehicle Fleet Conversion Study was completed in 2021. The results of the study was to upgrade the electrical infrastructure to accommodate the power needs of 44 charging points. It is proposed that phase 1 is started in 2023 to upgrade the electrical distribution system and provide 17 charging points. The larger portion of the costs will be to upgrade the electrical system. Phase 2 to allow for a further 27 charging points can be planned to accommodate the balance of EV vehicles pending their purchasing and delivery.		
Project Number	23-22	Capital Project Title	Fuel Truck
Capital Project Description	Fuel tender truck		
Project Rationale	New fuel truck.		
Project Number	23-31	Capital Project Title	Land and Site Works
Capital Project Description	Purchasing of land and site works to support RWS facilities.		
Project Rationale	Land acquisition and site works to support RWS facilities.		

Service: 2.670 Regional Water Supply			
Project Number	25-22	Capital Project Title	New Vehicles - Watershed & Water Operations
Capital Project Description	4 New Electric Vehicles for Watershed & Water Operations		
Project Rationale	1 New EV AWD SUV for water treatment ops 2 Replacement EV Pickup trucks for Watershed Prot. Ops, Security & Emerg Response 1 New EV Pickup truck for Watershed Prot. Resource Planning, Wildlife Program		
Project Number	25-23	Capital Project Title	Enterprise Asset Management System
Capital Project Description	Development of EAM system, including software and process implementation, for services to maintain assets and report on asset performance.		
Project Rationale	There are opportunities to increase the catchment and critical buffer areas of Sooke, Goldstream and the Leech WSA by purchase or land exchange with surrounding land owners. From time to time, the RWS System requires acquisition of lands for infrastructure purposes. Funds will be used when needed to undertake appraisals, legal surveys, and legal fees for work to develop agreements to purchase or exchange lands for the Regional Water Supply Area or System.		
Project Number	26-05	Capital Project Title	New Electric Vehicles Watershed, Fleet Pool
Capital Project Description	New electric vehicles for Watershed and Fleet pool.		
Project Rationale	2026 - 2 EV Pickup trucks for Watershed Prot. Ops, Security & Emerg Response to replace old life-extended vehicles (180k) 2027 - 1 EV truck for Watershed Prot. Ops, Security & Emerg Response to support IBC 2027 2a-5.2 Equipment/Operato Watershed (90k) 2028 - 1 EV truck Forest Management Plan Implementation Forester position in WP requiring a pickup. IBC 2a5.4 for 2028 (90k)		
Project Number	26-06	Capital Project Title	Fleet Service Trucks
Capital Project Description	One new heavy pickup truck and transfer Regional Parks Ops fleet mechanic service truck to Corporate Fleet.		
Project Rationale	2026 - Transfer Regional Parks Ops fleet mechanic service truck to Corporate Fleet (60K). One new heavy pickup truck to replace old life-extended vehicle (120k).		
Project Number	26-07	Capital Project Title	Flail Mower and addition of deck mower attachment
Capital Project Description	Transfer of Parks Flail Mower to RWS-WP and addition of deck mower attachment		
Project Rationale	Flail mower transfer cost. Benefit for ongoing maintenance.		

CAPITAL REGIONAL DISTRICT
FIVE YEAR CAPITAL EXPENDITURE PLAN SUMMARY - 2026 to 2030

Service No.	2.670 Regional Water Supply & Juan de Fuca Water Distribution	Carry Forward 2025	2026	2027	2028	2029	2030	TOTAL
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EXPENDITURE

Buildings	\$300,000	\$580,000	\$200,000	\$80,000	\$80,000	\$80,000	\$1,020,000
Equipment	\$448,125	\$1,163,125	\$430,000	\$411,000	\$409,000	\$405,000	\$2,818,125
Land	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineered Structures	\$0	\$150,000	\$100,000	\$75,000	\$75,000	\$50,000	\$450,000
Vehicles	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$748,125	\$1,893,125	\$730,000	\$566,000	\$564,000	\$535,000	\$4,288,125

SOURCE OF FUNDS

Capital Funds on Hand	\$705,000	\$1,850,000	\$730,000	\$566,000	\$564,000	\$535,000	\$4,245,000
Debenture Debt (New Debt Only)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment Replacement Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants (Federal, Provincial)	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Donations / Third Party Funding	\$43,125	\$43,125	\$0	\$0	\$0	\$0	\$43,125
Reserve Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	\$748,125	\$1,893,125	\$730,000	\$566,000	\$564,000	\$535,000	\$4,288,125

CAPITAL REGIONAL DISTRICT

5 YEAR CAPITAL PLAN

2026 - 2030

Service #:	2.670/2.680
Service Name:	Regional Water Supply & JDF Water Distribution Combo

PROJECT DESCRIPTION				PROJECT BUDGET & SCHEDULE									
Project Number	Capital Expenditure Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carryforward from 2025	2026	2027	2028	2029	2030	5 - Year Total
SYSTEM REPLACEMENT AND UPGRADES THAT BENEFIT REGIONAL WATER SUPPLY AND JUAN DE FUCA DISTRIBUTION													
16-01	Renewal	Upgrades to Buildings at 479 Island Highway	Maintenance and changes to buildings, office layouts, meeting rooms, yard improvements, lab improvements and technology upgrades.	\$ 2,330,000	B	WU	\$ 300,000	\$ 580,000	\$ 200,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 1,020,000
17-01	Renewal	Voice Radio Upgrade	Replacement of end of life voice radio system repeaters, office, vehicle and handheld radios.	\$ 2,325,000	E	WU	\$ 200,000	\$ 350,000	\$ -		\$ -		\$ 350,000
24-01	Replacement	IT Core Infrastructure Replacement	Replacement of Core IT infrastructure such as servers, network switches, UPS, etc for equipment end of life	\$ 250,000	E	WU	\$ 205,000	\$ 215,000	\$ 25,000	\$ 6,000	\$ 4,000	\$ -	\$ 250,000
25-02	New	SCADA System Cybersecurity	Shared project budget to improve cyber security in the SCADA system.	\$ 400,000	E	Other	\$ 43,125	\$ 43,125	\$ -	\$ -	\$ -		\$ 43,125
26-01	New	479 Island Highway	Supply and installatin of autogates with intercom and FOB at 479 Island Highway Office.	\$ 150,000	E	WU	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Sub-Total System Replacement and Upgrades That Benefit Regional Water Supply and Juan de Fuca Distribution				\$ 5,455,000			\$ 748,125	\$ 1,338,125	\$ 225,000	\$ 86,000	\$ 84,000	\$ 80,000	\$ 1,813,125
ANNUAL PROVISIONAL CAPITAL ITEMS													\$ -
17-03	Replacement	Office Equipment, Upgrades and Replacements	Upgrade and replacement of office equipment as required.	\$ 450,000	E	WU	\$ -	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 450,000
17-04	Replacement	Computer Upgrades	Annual upgrade and replacement program for computers, copiers, printers, network equipment as required.	\$ 950,000	E	WU	\$ -	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 190,000	\$ 950,000
17-06	Replacement	Small Equipment & Tool Replacement (Water Operations)	Replacement of tools and small equipment for Water Operations as required.	\$ 500,000	E	WU	\$ -	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
17-07	Replacement	Small Equipment & Tool Replacement (Corporate Fleet)	Replacement of tools and small equipment for Fleet as required.	\$ 85,000	E	WU	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
24-02	Study	Capital Projects Delivery Optimization	Ongoing internal improvement of templates, tools and processes used in the delivery of capital projects.	\$ 425,000	S	WU	\$ -	\$ 150,000	\$ 100,000	\$ 75,000	\$ 75,000	\$ 50,000	\$ 450,000
Sub-Total for Annual Provisional Capital Items				\$ 2,410,000			\$ -	\$ 555,000	\$ 505,000	\$ 480,000	\$ 480,000	\$ 455,000	\$ 2,475,000
Grand Total				\$ 7,865,000			\$ 748,125	\$ 1,893,125	\$ 730,000	\$ 566,000	\$ 564,000	\$ 535,000	\$ 4,288,125

Service: **2.670/2.680** **Regional Water Supply & JDF Water Distribution Combo**

Project Number	16-01	Capital Project Title	Upgrades to Buildings at 479 Island Highway	Capital Project Description	Maintenance and changes to buildings, office layouts, meeting rooms, yard improvements, lab improvements and technology upgrades.
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Project Rationale The budget includes the following funds to upgrade and renew the buildings at 479 Island Highway, including:

- Improvements, Repairs, upgrades and changes to the buildings
- Painting of the buildings
- Repair and replacement of carpets, floors and walls
- Climate Action initiatives and feasibility studies
- Improvements to Meeting Rooms, including technology upgrades

Project Number	17-01	Capital Project Title	Voice Radio Upgrade	Capital Project Description	Replacement of end of life voice radio system repeaters, office, vehicle and handheld radios.
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Project Rationale Service Life and projected replacement:

- The service life of the mobile and portable units was forecast as 10 years at minimum, 15 years at maximum in 2005.
- The present radio models used in the system have just been taken out of production by the manufacturer, there will be no new units available for purchase as of July 1, 2015.
- Support for repairs and maintenance of the present radio will continue for the next 3 years at least.
- There are no pressing issues with equipment maintenance or repairs, present repair rates suggest we can maintain the system for the next few years, and perhaps reach a 12-15 year lifespan on the present equipment.

Project Number	17-03	Capital Project Title	Office Equipment, Upgrades and Replacements	Capital Project Description	Upgrade and replacement of office equipment as required.
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Project Rationale Funds will be used for the replacement and upgrading of office equipment and furniture, as required.

Service: **2.670/2.680** **Regional Water Supply & JDF Water Distribution Combo**

Project Number	17-04	Capital Project Title	Computer Upgrades	Capital Project Description	Annual upgrade and replacement program for computers, copiers, printers, network equipment as required.
Project Rationale	<p>This is an annual upgrading and replacement program of computers, photocopiers, network, monitoring and associated equipment, as required. This item has been increased from \$160,000 to \$170,000 annually to reflect actual costs.</p> <p>Capital Budget Network Switch Maintenance \$10,000 Additional Wireless Access Points and Maintenance \$15,000 Photocopier Replacement \$20,000 Additional Data Storage \$15,000 Replacement Computers \$75,000 Equipment Maintenance (contingency) \$23,000 Replace Access Control System - Gates/ Video Cameras \$12,000 Total Capital \$170,000</p>				
Project Number	17-06	Capital Project Title	Small Equipment & Tool Replacement (Water Operations)	Capital Project Description	Replacement of tools and small equipment for Water Operations as required.
Project Rationale	Funds will be used for replacement of a variety of Operations and Welding equipment such as cutting saws, portable generators, gas detectors, Hilti drills, plasma cutter, wire welder, etc.				
Project Number	17-07	Capital Project Title	Small Equipment & Tool Replacement (Corporate Fleet)	Capital Project Description	Replacement of tools and small equipment for Fleet as required.
Project Rationale	Funds will be used for replacement of a variety of Fleet small equipment and tools as required. This includes provision to replace the Vehicle OBD reader for reading engine codes and the shop air compressor.				
Project Number	24-01	Capital Project Title	IT Core Infrastructure Replacement	Capital Project Description	Replacement of Core IT infrastructure such as servers, network switches, UPS, etc for equipment end of life
Project Rationale	Ongoing end of life replacement program for IT Core Infrastructure, including servers, network switches, UPS, and other equipment.				

Service: 2.670/2.680 Regional Water Supply & JDF Water Distribution Combo			
Project Number	24-02	Capital Project Title	Capital Projects Delivery Optimization
Capital Project Description	Ongoing internal improvement of templates, tools and processes used in the delivery of capital projects.		
Project Rationale	Ongoing program for small scale optimization of project delivery methods and tools.		
Project Number	25-02	Capital Project Title	SCADA System Cybersecurity
Capital Project Description	Shared project budget to improve cyber security in the SCADA system.		
Project Rationale	Project budget to improve cyber security in the SCADA System. CRD IT Department to lead and provide implementation support.		
Project Number	26-01	Capital Project Title	479 Island Highway Autogates
Capital Project Description	Supply and installatin of autogates with intercom and FOB at 479 Island Highway Office.		
Project Rationale			

**2.670 Regional Water Supply
Asset / Reserve Schedule
2026 - 2030 Financial Plan**

Asset Profile

Regional Water Supply

System assets include the lands, dams and source water reservoirs within the water supply areas, intake and source conduits, two water treatment plants, pressure regulating facilities, nine supply mains, three balancing reservoirs and revenue water meters in the water transmission system.

Equipment Replacement Reserve Schedule

Reserve Fund: 2.670 Regional Water Supply Equipment Replacement Reserve (covered by CRD-ERF Bylaw)

Fund: 1022 Fund Center: 101454

	Estimated	Budget				
	2025	2026	2027	2028	2029	2030
Beginning Balance	2,951,724	2,905,151	2,387,899	2,345,089	2,621,959	3,031,779
Equipment purchases (Based on Capital Plan)	(751,914)	(1,397,336)	(855,000)	(495,000)	(355,000)	-
Transfer from Operating Budget	577,541	670,484	683,890	697,570	711,520	725,750
Proceeds on disposals	112,800	209,600	128,300	74,300	53,300	-
Interest Income*	15,000					
Ending Balance \$	2,905,151	2,387,899	2,345,089	2,621,959	3,031,779	3,757,529

General Comments:

Reserve Fund is used for the purpose of replacing fleet vehicles including heavy equipment and associated mobile components, as outlined in the capital plan. Proceeds from disposals are estimated at 15% of replacement equipment purchases. Note not all vehicles are sold within the year in which they are replaced.

* Interest should be included in determining the estimated ending balance for the current year. Interest in planning years nets against inflation which is not included.