

CAPITAL REGIONAL DISTRICT

2020 BUDGET

Saanich Peninsula Water Supply

COMMISSION REVIEW

OCTOBER 2019

DEFINITION:

To purchase water and to acquire, design, construct, reconstruct, purchase, maintain and operate facilities and to acquire property easements, licences and authorities for the supply of water to Central Saanich, North Saanich, and Sidney, for distribution by the municipalities. Letters Patent, December 22, 1976; revised Sept. 27, 1984. Amended SLP April 27, 1978 and March 19, 1986.

SERVICE DESCRIPTION:

This service provides for the purchase of bulk water for supply to Central Saanich, North Saanich, and Sidney, for distribution within their municipalities. Included in the program is the responsibility to provide design, construction, operation and maintenance, licenses, and water quality monitoring to the service area.

PARTICIPATION:

Central Saanich /North Saanich/ Sidney

MAXIMUM LEVY:

MAXIMUM CAPITAL DEBT:

As established by Inspector of Municipalities.

COMMISSION:

Saanich Peninsula Water Commission established by Letters Patent to advise the Board with respect to this function.

FUNDING:

Water rates and debt cost allocation to be established by bylaw, charged to the individual municipalities.

Bulk Water Rate

To cover 100% of operating costs, billed monthly to each municipality.

Requisition

To cover 100% of debt costs by formula: levy of \$0.115 / \$1,000 of total hospital assessments for all members plus 1/3 of balance on each of members: number of connections, specified area school assessments and population.

CAPITAL DEBT:

All Bylaws have expired.

Program Group: CRD-Saanich Peninsula Water Supply	2020 BUDGET REQUEST						FUTURE PROJECTIONS			
	2019 BOARD BUDGET 2	2019 ESTIMATED ACTUAL 3	CORE BUDGET 4	ONGOING 5	ONE-TIME 6	TOTAL (COL 4, 5 & 6) 7	2021 8	2022 9	2023 10	2024 11
SUMMARY										
1										
<u>OPERATING EXPENDITURES:</u>										
ALLOCATION - OPERATIONS	1,007,848	981,678	1,041,844	-	-	1,041,844	1,064,384	1,087,419	1,110,963	1,135,021
UTILITIES	206,207	205,620	214,440	-	-	214,440	223,006	227,912	232,926	238,050
OPERATING - OTHER COSTS	170,753	140,785	169,615	-	-	169,615	173,339	177,137	181,029	184,996
ALLOCATION - CORPORATE OVERHEAD	76,912	76,912	93,232	-	-	93,232	107,187	121,662	124,095	126,577
TOTAL OPERATING EXPENDITURES	1,461,720	1,404,995	1,519,131	-	-	1,519,131	1,567,916	1,614,130	1,649,013	1,684,644
*Percentage increase over prior year board budget			3.93%			3.93%	3.21%	2.95%	2.16%	2.16%
TOTAL BULK WATER EXPENDITURES	4,403,750	4,607,000	4,738,240	-	-	4,738,240	4,872,880	5,033,360	5,164,600	5,312,840
<u>CAPITAL EXPENDITURES & TRANSFERS</u>										
TRANSFER TO CAPITAL RESERVE FUND	470,000	612,205	650,000	-	-	650,000	700,000	750,000	800,000	850,000
TRANSFER TO EQUIPMENT REPLACEMENT FUND	50,000	50,000	50,000	-	-	50,000	50,000	50,000	50,000	50,000
TOTAL CAPITAL EXPENDITURES & TRANSFERS	520,000	662,205	700,000	-	-	700,000	750,000	800,000	850,000	900,000
<u>DEBT SERVICING</u>										
DEBT-INTEREST & PRINCIPAL	-	-	-	-	-	-	-	-	-	-
TOTAL DEBT SERVICING EXPENDITURES	-	-	-	-	-	-	-	-	-	-
TOTAL EXPENDITURES	6,385,470	6,674,200	6,957,371	-	-	6,957,371	7,190,796	7,447,490	7,663,613	7,897,484
<u>SOURCES OF FUNDING-OPERATIONS</u>										
REVENUE -WATER SALES	(6,379,669)	(6,674,200)	(6,951,571)	-	-	(6,951,571)	(7,184,996)	(7,441,690)	(7,657,813)	(7,891,684)
REVENUE -OTHER	(5,800)	-	(5,800)	-	-	(5,800)	(5,800)	(5,800)	(5,800)	(5,800)
TOTAL SOURCES OF FUNDING FROM OPERATIONS	(6,385,469)	(6,674,200)	(6,957,371)	-	-	(6,957,371)	(7,190,796)	(7,447,490)	(7,663,613)	(7,897,484)
<u>SOURCES OF FUNDING-REQUISITION</u>										
PROPERTY TAX REQUISITION FOR DEBT	-	-	-	-	-	-	-	-	-	-
TOTAL REQUISITION	-	-	-	-	-	-	-	-	-	-
TRANSFER FROM PRIOR YEAR	-	-	-	-	-	-	-	-	-	-
TRANSFER TO FOLLOWING YEAR										
TOTAL CARRY FORWARD (SURPLUS)/ DEFICIT	-	-	-	-	-	-	-	-	-	-
TOTAL SOURCES OF ALL FUNDING	(6,385,469)	(6,674,200)	(6,957,371)	-	-	(6,957,371)	(7,190,796)	(7,447,490)	(7,663,613)	(7,897,484)
Percentage increase over prior year's board budget			8.96%			8.96%	3.36%	3.57%	2.90%	3.05%

Change in Budget 2019 to 2020**Service: 2.610 Saanich Peninsula Water Supply****Total Expenditure****Comments****2019 Budget****6,385,469****Change in Labour:**

Labour charges

33,500

Labour charges (Salaries and overhead)

Total Change in Labour

33,500

Other Changes:

Bulk Water Purchase

334,490

Transfers to Capital Reserve

180,000

Corporate Allocations

16,320

Electricity

8,200

Other

(608)

Minor budget corrections

Total Other Changes

538,402

2020 Budget**6,957,371**

Overall 2019 Budget Performance

(expected variance to budget and surplus treatment)

Favourable revenue variance of \$290,000 (4.5%) due to higher than budgeted water sales. This additional revenue will be used to offset bulk water purchase overages. The net surplus of \$142,000 will be transferred to the Capital Reserve Fund.

SAANICH PENINSULA WATER SUPPLY

2020 Demand Estimate

Retail Demand

Years	Actual Demand cu.metre	Budgeted Demand cu.metre
2015	6,695,312	6,270,000
2016	6,870,557	6,270,000
2017	6,549,588	6,270,000
2018	7,044,786	6,300,000
2019	6,800,000*	6,500,000
2020 Demand Estimate	<u>6,800,000</u>	

** Projected consumption for 2019*

SAANICH PENINSULA WATER SUPPLY

Summary of Supply Water Rates to Participating Municipalities

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Change</u>	<u>% change</u>
Retail (direct) water rate							
Saanich Peninsula Retail cost per cu.m.	\$0.9073	\$0.9111	\$0.9621	\$0.9815	\$1.0223	\$0.0408	4.2%
Agricultural Research Station cost per cu.m.	\$0.9425	\$0.9463	\$0.9973	\$1.0167	\$1.0575	\$0.0408	4.0%

Summary of Bulk Water Purchase Rates from Regional Water Supply

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Change</u>	<u>% change</u>
CRD Bulk water purchase cost per cu.m.	\$0.6375	\$0.6375	\$0.6644	\$0.6775	\$0.6968	\$0.0193	2.8%

SAANICH PENINSULA WATER SUPPLY

Summary of Supply Water Rates to Participating Municipalities

	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Change</u>	<u>% change</u>
Retail (direct) water rate							
Unit cost per cu.m.	\$ 0.9073	\$ 0.9111	\$ 0.9621	\$ 0.9815	\$ 1.0223	\$ 0.0408	4.2%

Retail Water Rate Increase Impact on Participating Municipalities Water Bill

Average consumption: 235.0 cubic meters

<u>Charge for Twelve Months Consumption</u>	<u>Year</u>	<u>Annual charge</u>	<u>2020 Annual Change \$</u>
Average Consumption	2019	\$ 230.65	
	2020	\$ 240.24	\$ 9.59
Half Average Consumption	2019	\$ 115.33	
	2020	\$ 120.12	\$ 4.79
Twice Average Consumption	2019	\$ 461.31	
	2020	\$ 480.48	\$ 19.19

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.

CAPITAL REGIONAL DISTRICT

SCHEDULE B

FIVE YEAR CAPITAL EXPENDITURE PLAN SUMMARY - 2020 to 2024

Service No.	2.610 Saanich Peninsula Water Supply	Carry Forward from 2019	2020	2021	2022	2023	2024	TOTAL
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EXPENDITURE

Buildings	B	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment	E	\$0	\$120,000	\$75,000	\$0	\$0	\$0	\$195,000
Land	L	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineered Structures	S	\$600,000	\$1,405,000	\$260,000	\$360,000	\$260,000	\$210,000	\$2,495,000
Vehicles	V	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$600,000	\$1,525,000	\$335,000	\$360,000	\$260,000	\$210,000	\$2,690,000

SOURCE OF FUNDS

Capital Funds on Hand	Cap	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debenture Debt (New Debt Only)	Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment Replacement Fund	ERF	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
Grants (Federal, Provincial)	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Donations / Third Party Funding	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Reserve Fund	Res	\$600,000	\$1,475,000	\$285,000	\$310,000	\$210,000	\$160,000	\$2,440,000
		\$600,000	\$1,525,000	\$335,000	\$360,000	\$260,000	\$210,000	\$2,690,000

CAPITAL REGIONAL DISTRICT CAPITAL PLAN

CAPITAL BUDGET FORM
2020 & Forecast 2021 to 2024

Service #:

2.610

Service Name:

Saanich Peninsula Water Supply

Proj. No.
The first two digits represent first year the project was in the capital plan.

Capital Exp. Type
Study - Expenditure for feasibility and business case report.
New - Expenditure for new asset only
Renewal - Expenditure upgrades an existing asset and extends the service ability or enhances technology in delivering that service
Replacement - Expenditure replaces an existing asset

Funding Source Codes
Debt = Debenture Debt (new debt only)
ERF = Equipment Replacement Fund
Grant = Grants (Federal, Provincial)
Cap = Capital Funds on Hand
Other = Donations / Third Party Funding

Funding Source Codes (cont)
Res = Reserve Fund
STLoan = Short Term Loans
WU = Water Utility

Asset Class
L - Land
S - Engineering Structure
B - Buildings
V - Vehicles
E - Equipment

Capital Project Title
Input Title of Project. For example "Asset Name - Roof Replacement", "Main Water Pipe Replacement".

Capital Project Description
Briefly describe project scope and service benefits.
For example: "Full Roof Replacement of a 40 year old roof above the swimming pool area; The new roofing system is built current energy standards, designed to minimize maintenance and have an expected service life of 35 years".

Total Project Budget
This column represents the total project budget not only within the 5-year window.

FIVE YEAR FINANCIAL PLAN

Proj. No.	Capital Exp.Type	Capital Project Title	Capital Project Description	Total Project Budget	Asset Class	Funding Source	Carry Forward from 2019	2020	2021	2022	2023	2024	5 - Year Total
SYSTEM UPGRADES AND REPLACEMENTS													
Planning													
19-02	New	Strategic Asset Management Plan Update	Update the asset management plan with recent study information (post disaster emergency water supply, Elk Lake Main Removals, ...)	\$100,000	S	Res	\$0	\$50,000	\$50,000	\$0	\$0	\$0	\$100,000
Capital													
17-01	New	Reservoir Seismic Isolation Valves	Assessment, design and installation of seismic isolation valves at 7 of the reservoirs, and installation of restrained hydrants at reservoirs where possible.	\$500,000	S	Res	\$450,000	\$450,000	\$0	\$0	\$0	\$0	\$450,000
18-02	New	Site Security Assessment & Improvements	Assess the security of facilities and make improvements for the public and operators	\$205,000	S	Res	\$150,000	\$150,000	\$0	\$0	\$0	\$0	\$150,000
18-04	New	Post Disaster Emergency Water Supply	Identify and procure emergency systems for post disaster preparedness	\$900,000	S	Res	\$0	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
19-01	Renewal	Corrosion Protection Program	Carry out an investigation and monitoring program in conjunction with other services to prevent infrastructure failure due to corrosion	\$100,000	S	Res	\$0	\$40,000	\$10,000	\$10,000	\$10,000	\$10,000	\$80,000
20-01	Replacement	Elk Lake Main Removals	Undertake removals from outlined in 2018 Elk Lake Main Decommissioning Study	\$85,000	S	Res	\$0	\$85,000	\$0	\$0	\$0	\$0	\$85,000
20-02	New	Hamsterly Pump Station Backup Power Generator	Addition of a backup power generator at the Hamsterly Pump Station	\$335,000	S	Res	\$0	\$335,000	\$0	\$0	\$0	\$0	\$335,000
20-03	Renewal	Lochside PRV, Martindale & Tsawout Meter Replacement	As recommended in the 2017 KWL Water Audit, replace the Lochside PRV, Martindale and Tsawout flow meters.	\$120,000	E	Res	\$0	\$120,000	\$0	\$0	\$0	\$0	\$120,000
21-01	New	Level of Service Agreement	Determine and develop appropriate level of service agreements with the participating municipalities for water supply.	\$75,000	E	Res	\$0	\$0	\$75,000	\$0	\$0	\$0	\$75,000
Sub-Total System Upgrades & Replacements				\$2,420,000			\$600,000	\$1,380,000	\$285,000	\$160,000	\$160,000	\$160,000	\$2,145,000
ANNUAL PROVISIONAL ITEMS													
17-02	Renewal	Provisional Equipment Replacements	Funds to conduct emergency and unplanned repairs outside of normal Operations.	\$250,000	S	ERF	\$0	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
DEVELOPMENT COST CHARGE (DCC) PROGRAM													
20-02	New	Hamsterly Pump Station Backup Power Generator	Addition of a backup power generator at the Hamsterly Pump Station	\$95,000	S	Res	\$0	\$95,000	\$0	\$0	\$0	\$0	\$95,000
22-01	New	Water Strategic Plan Update	Update the strategic plan to inform future works and identify hydraulic deficiencies.	\$150,000	S	Res	\$0	\$0	\$0	\$150,000	\$0	\$0	\$150,000
23-01	New	DCC Program Update	5-year update of the DCC program.	\$50,000	S	Res	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000
Sub-Total Development Cost Charge				\$295,000			\$0	\$95,000	\$0	\$150,000	\$50,000	\$0	\$295,000
GRAND TOTAL				\$2,965,000			\$600,000	\$1,525,000	\$335,000	\$360,000	\$260,000	\$210,000	\$2,690,000

Service: 2.610

Saanich Peninsula Water Supply

Proj. No. 19-02

Capital Project Title Strategic Asset Management Plan

Capital Project Description Update the asset management plan with recent study information.

Asset Class Engineered Structures

Board Priority Area Other

Corporate Priority Area Drinking Water

Project Rationale Update the strategic asset management plan based upon recent studies such as the DCC Program Update, Post Disaster Response Plan, and Site Security Assessment. The update will inform future capital works.

Proj. No. 17-01

Capital Project Title Reservoir Seismic Isolation Valves

Capital Project Description Assessment, design and installation of seismic isolation valves at 7 of the reservoirs, and installation of restrained hydrants at reservoirs where possible.

Asset Class Engineered Structures

Board Priority Area Other

Corporate Priority Area Drinking Water

Project Rationale The Commission has indicated a desire to include seismic valves on each of the 8 Saanich Peninsula Water System reservoirs. At present, the Dean Park Middle Reservoir is the only reservoir equipped with a seismic valve. In summary a seismic valve is simple actuated system to shut the outlet valve(s) automatically if a seismic event (of a specific magnitude) is experienced. Each site is unique and installation complexity and associated costs will vary. The first task in this project will be to further define the proposed solution and budget for each site. The resulting detailed project will be reviewed in conjunction with the Strategic Asset Management Plan for the system to confirm affordability and value prior to initiating construction works.

Proj. No. 18-02

Capital Project Title Site Security Assessment & Improvements

Capital Project Description Assess the security of facilities and make improvements for the public and operators

Asset Class Engineered Structures

Board Priority Area Other

Corporate Priority Area Drinking Water

Project Rationale The Saanich Peninsula Water system is comprised of various pump stations, pressure control stations, meter facilities and storage tanks. The facilities have varying levels of security with no consistent intent. A site security assessment is proposed to secure all facilities so that operators can safely maintain the sites and keep the public and infrastructure safe. Funding is required to assess all facilities and conduct improvements to secure them.

Service: 2.610

Saanich Peninsula Water Supply

Proj. No. 18-04	Capital Project Title Post Disaster Emergency Water Supply	Capital Project Description Identify and procure emergency systems for post disaster preparedness
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale <i>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 2017 and 2018 with the anticipated purchase of one or more emergency distribution systems in 2018 and beyond. Initial investigation has highlighted areas, such as having hardened hydrants/standpipes that the CRD should be investing in. Additional funds are required to start implementing these additional works.</i>		
Proj. No. 19-01	Capital Project Title Corrosion Protection Program	Capital Project Description Carry out an investigation and monitoring program in conjunction with other services to prevent infrastructure failure due to corrosion
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale <i>The Saanich Peninsula Water System comprises of many material types including steel. An investigation and monitoring program will be developed to prevent infrastructure failure due to corrosion. Funds are required to retain a qualified corrosion specialist to assess and aid in developing a monitoring program.</i>		
Proj. No. 20-01	Capital Project Title Elk Lake Main Removals	Capital Project Description Undertake removals from outlined in 2018 Elk Lake Main Decommissioning Study
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale <i>Staff produced the 2018 Elk Lake Main Decommissioning Study to highlight regions of the abandoned main requiring capital works to reduce risk to public safety if the abandoned infrastructure failed. Funds are required to demolish or properly decommission abandoned and unused infrastructure.</i>		
Proj. No. 20-03	Capital Project Title Lochside PRV, Martindale & Tsawout M	Capital Project Description As recommended in the 2017 KWL Water Audit, replace the Lochside PRV, Martindale and Tsawout flow meters.
Asset Class Equipment	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale <i>KWL carried out a water audit of the Saanich Peninsula Water system in 2017 and recommended that the meters be replaced at the Lochside PRV, Martindale meter station and Tsawout meter station. Funds are required to replace the meters and complete any associated upgrades at the stations.</i>		

Service: 2.610

Saanich Peninsula Water Supply

Proj. No. 21-01	Capital Project Title Level of Service Agreement	Capital Project Description Determine and develop appropriate level of service agreements with the participating municipalities for water supply.
Asset Class Equipment	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale The SPW Service has numerous transfer points with the participating municipalities. Funding is required to determine the pressure and flow at transfer points with the participating municipalities for water supply.		
Proj. No. 17-02	Capital Project Title Provisional Equipment Replacements	Capital Project Description Funds to conduct emergency and unplanned repairs outside of normal Operations.
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale Replace various system equipment that may fail during the year that is not specifically identified and funded through the operating and capital budgets.		
Proj. No. 20-02	Capital Project Title Hamsterly Pump Station Backup Powe	Capital Project Description Addition of a backup power generator at the Hamsterly Pump Station
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale From the 2018 DCC Update, KWL identified that the addition of backup power at the Hamsterly Pump Station. Funds are required to design and construct backup power for the Hamsterly Pump Station.		
Proj. No. 22-01	Capital Project Title Water Strategic Plan Update	Capital Project Description Update the strategic plan to inform future works and identify hydraulic deficiencies.
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale A water distribution system changes with development demand. A periodic update of the strategic plan to identify hydraulic deficiencies and inform future works is periodically required to ensure the level of service.		
Proj. No. 23-01	Capital Project Title DCC Program Update	Capital Project Description 5-year update of the DCC program.
Asset Class Engineered Structures	Board Priority Area Other	Corporate Priority Area Drinking Water
Project Rationale Funds are required to conduct a 5-year update of the DCC program.		

**2.610 Saanich Peninsula Water
Summary Schedule
2020 - 2024 Financial Plan**

Asset Profile

Saanich Peninsula Water

One of the 16 CRD drinking water systems across the region, Saanich Peninsula Water Supply obtains treated drinking water from the Regional Water Supply System and is responsible for the bulk trunk water supply systems for Central Saanich, Sidney & North Saanich. Assets include land, 46 kilometres of water supply mains, nine balancing reservoirs, nine pumping stations, two pressure reducing stations, nine supply meters and two rechlorination stations.

Reserve/Fund Summary

	Actual	Estimate	Budget				
	2018	2019	2020	2021	2022	2023	2024
DCC Reserve Account	1,996,923	2,121,923	2,026,923	2,026,923	1,876,923	1,826,923	1,826,923
Equipment Replacement Fund	1,733,094	1,768,094	1,768,094	1,768,094	1,768,094	1,768,094	1,768,094
Capital Reserve	5,129,591	5,341,796	5,211,796	5,626,796	6,216,796	6,856,796	7,546,796
Total	8,859,607	9,231,812	9,006,812	9,421,812	9,861,812	10,451,812	11,141,812

**2.610 Saanich Peninsula Water
Development Cost Charges
2020 - 2024 Financial Plan**

Development Cost Charges Reserve Schedule

Reserve Fund: Saanich Peninsula Water Development Cost Charges (Bylaw # 3208)

Fund: 1009 Fund Center: 101353- DCC Water System only

	Actual	Estimate	Budget				
	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	1,468,517	1,996,923	2,121,923	2,026,923	2,026,923	1,876,923	1,826,923
Transfers to Reserve	243,422						
Transfers from Reserve based on DCC-capital plan	-	-	(95,000)	-	(150,000)	(50,000)	-
DCC's received from Member Municipalities	250,696	90,000					
Interest Income*	34,287	35,000					
Ending Balance \$	1,996,923	2,121,923	2,026,923	2,026,923	1,876,923	1,826,923	1,826,923

General Comments:

Saanich Peninsula Water Development Cost Charges (DCC's) was adopted in 2005 for the purpose of providing funds to assist with the capital costs of providing, constructing, altering or expanding the Districts water & wastewater systems that services the Member Municipalities.

The above cash flow only reflects DCC Reserve information for Water System only (Wastewater's information will be provided in the Wastewater budgets). These Reserve funds are received from member municipalities as Development Cost Charges (DCC's) to provide for the capital costs of water capacity system improvements within the service areas.

In December 2018 the bylaw was ammended to remove Develoment Cost Charges on new projects to recognize that the fund's balance exceeded the total of current development projects.

* 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.

2.610 Saanich Peninsula Water
Equipment Replacement Reserve Schedule
2020 - 2024 Financial Plan

Equipment Replacement Reserve Schedule

Reserve Fund: Saanich Peninsula Water-Equipment Replacement Reserve (covered by CRD-ERF Bylaw)

Fund: 1022 Fund Center: 101452	Actual	Estimate	Budget				
	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	1,648,230	1,733,094	1,768,094	1,768,094	1,768,094	1,768,094	1,768,094
Equipment purchases (Based on Capital Plan)	-	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)	(50,000)
Transfer from Operating Budget	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Interest Income*	34,864	35,000					
Ending Balance \$	1,733,094	1,768,094	1,768,094	1,768,094	1,768,094	1,768,094	1,768,094

General Comments: The fund is used to replace water system infrastructure throughout the system as failing components are identified and not funded through operating budgets.

* 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.

**2.610 Saanich Peninsula Water
Capital Reserve Fund
2020 - 2024 Financial Plan**

Capital Reserve Fund Schedule

Reserve Fund: Saanich Peninsula Water Capital Reserve Fund (Bylaw #1397)

Fund: 1009 Fund Center: 102159

	Actual	Estimate	Budget				
	2018	2019	2020	2021	2022	2023	2024
Beginning Balance	5,104,492	5,129,591	5,341,796	5,211,796	5,626,796	6,216,796	6,856,796
Transfers from Reserve based on capital plan	(898,451)	(455,000)	(780,000)	(285,000)	(160,000)	(160,000)	(160,000)
Transfer from Operating Budget	832,363	612,205	650,000	700,000	750,000	800,000	850,000
Interest Income*	91,186	55,000					
Ending Balance \$	5,129,591	5,341,796	5,211,796	5,626,796	6,216,796	6,856,796	7,546,796

General Comments:

Saanich Peninsula Water Capital Reserve Fund was adopted in 1985 for the purpose of capital payments including planning, engineering and legal costs for providing, latering or expanding water system infrastructure related to the Saanich Peninsula Water Supply System.

The fund is used for the purpose of funding the Service Capital infrastructure related directly or indirectly to water facilities, (excluding DCC) capital expenditures.

* 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.