

Port Renfrew Utility System

2020 Annual Report

CRD | Drinking Water, Wastewater, Street Lighting and Refuse

Introduction

This report provides a summary of the Port Renfrew Utility Services for the year 2020 and includes a description of services and a summary of the water, sewer, street lighting, and refuse disposal services in terms of operations, maintenance, capital upgrades, and finances for each service.

Port Renfrew Utility Services Committee

The Port Renfrew Utility Services Committee (PRUSC) has authority delegated by the Capital Regional District (CRD) Board for provision of water, sewer, street lighting and refuse disposal for the Port Renfrew community. Refuse disposal service is also provided to the Pacheedaht First Nation under a service delivery agreement. This Annual Report relates to the services provided under the authority of the PRUSC.

WATER SERVICE

Service Description

The community of Port Renfrew, located in the Juan de Fuca Electoral Area of the CRD, is comprised of rural residential and commercial and institutional development. The Port Renfrew water service was originally owned by a forestry company and was transferred to the CRD in 1989 to service the Beach Camp area. In 2002, the water service area was extended to include the Snuggery Cove area and again in 2016 to include the lands to the south of Beach Camp. The water service consists of approximately 250 parcels, encompassing a total area of approximately 98.3 hectares. Of the 223 parcels, 315.58 Single Family Equivalents (SFE) were customers to the water system in 2020.



Figure 1: Map of the Water Service Area.

The Port Renfrew water system is primarily comprised of:

- One groundwater well, related pumping and control equipment and building.
- Disinfection process equipment (chlorine) and an aeration tower/scrubber for hydrogen sulfide reduction to improve water taste and odour.
- Two steel storage tanks (total combined volume is 888 m³ or 235,000 US gallons).
- Distribution system (4,400 m network of 150 mm and 100 mm diameter asbestos cement (AC) water mains to the Beach Camp area and a 2,200 m network of 150 mm and 100 mm PVC water mains to the Snuggery Cove area).
- Other water system assets: 195 service connections, 25 hydrants and an auxiliary generator.

Water Supply

2020 data shows that the water level in the winter, when at its highest, was 22 metres above the well pump, and in the summer at its lowest point was 15.7 metres above the pump. The water has an average temperature of 8.4°C (Celsius) which is .06°C lower than 2019, with a minimum temperature of 8.3°C, and a maximum temperature of 9.5°C.

Water Production and Demand

Referring to Figure 2, 65,462m³ of water was extracted (water production) from the well in 2020; an increase of 15.5% over the previous year and 19% above the 5 year average. The monthly comparison of treated water volumes, produced for the years 2016 to 2020 inclusive, shows that there was a higher demand all year round with a small decrease in peak summer months.

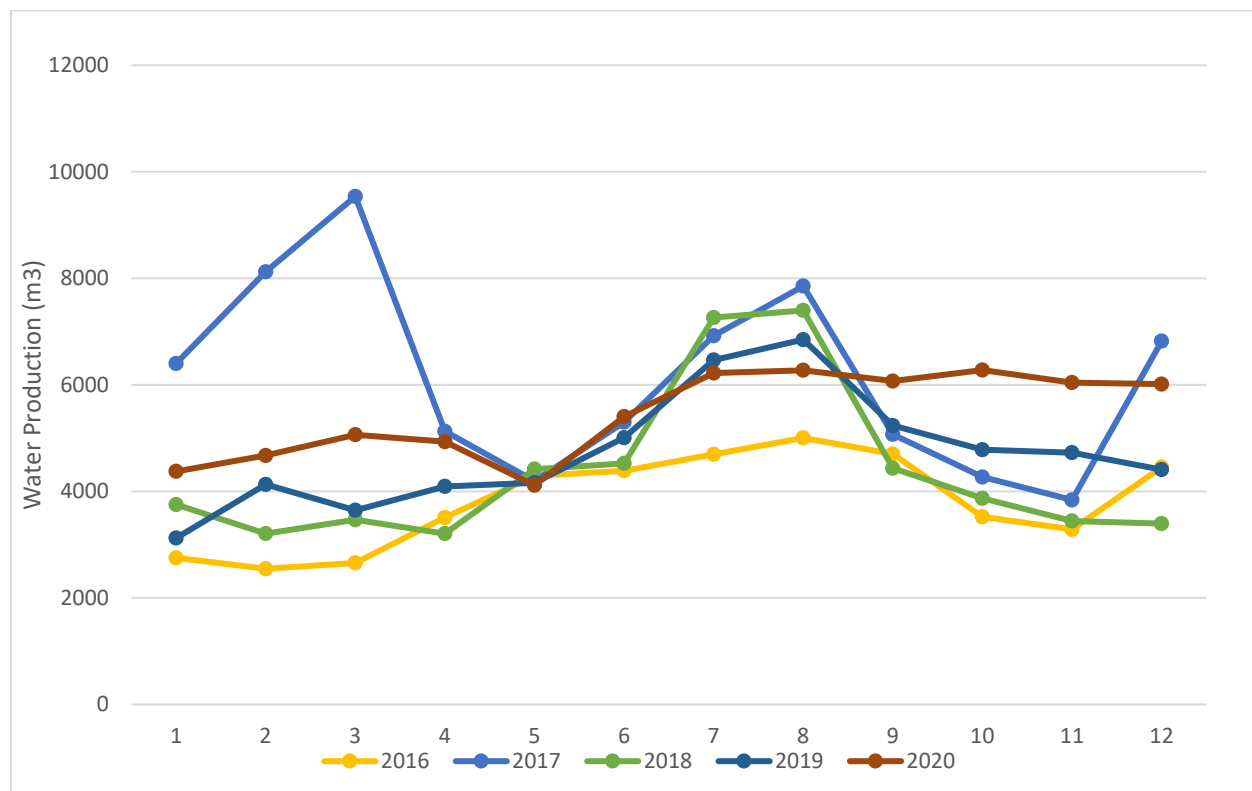


Figure 2: Water Service Monthly Water Production

Drinking Water Quality

The analytical results (biological, chemical and physical parameters) of water samples collected in 2020 from the Port Renfrew water system indicate that the drinking water was of good quality and within Guidelines for Canadian Drinking Water Quality (GCDWQ) health-related regulatory and aesthetic limits, including disinfection by-products. There were also no system operations related water quality events in 2020.

While the treated water temperature did exceed the aesthetic limit of 15°C during the summer months, this had no other negative impact on the drinking water quality.

Typical Port Renfrew drinking water quality characteristics for 2020 are summarized as follows:

Raw Water

- Source water from the well was free of total coliform and *E. coli* bacteria.
- The well water was low in iron and manganese concentrations, slightly hard (mean hardness 39.7 mg/L) and had a neutral pH of 7.3.
- The median raw water turbidity was below the detection limit of 0.14 NTU.

Treated Water

- The water delivered to the customers was safe to drink throughout the year. 2 out of 62 compliance samples in the distribution system tested positive for total coliform bacteria. Resamples were negative and therefore confirmed that no actual water contamination was the cause of the initial positive test results. No sample tested positive for *E. coli* bacteria.
- The mean annual free chlorine concentration in the distribution system was an acceptable 0.42 mg/L.
- The average annual disinfection by-product TTHM concentration was well below the GCDWQ limit.

Table 1 and 2 below provide a summary of the 2020 raw and treated water test results.

Water Quality data collected from this drinking water system can also be reviewed on the CRD website:

<https://www.crd.bc.ca/about/data/drinking-water-quality-reports>

Water Service Operational Highlights

The following is a summary of the major operational issues that were addressed by the CRD Integrated Water Services staff:

- Fire hydrant servicing.
- Emergency replacement of the Water Treatment Plant electrical service transformers due to a weather event.
- Backup generator block heater replacement.
- Repaired water leak on Wickaninnish Rd.

Water Service Capital Project Updates

The Capital Projects that were completed in 2020 includes:

- Construction of the second water storage tank in 2020 with final completion to occur in 2021.

Snuggery Cove Water Debt Service

The Snuggery Cove service budget was created for the sole purpose of servicing debt related to the expansion of the Port Renfrew water system to the Snuggery Cove Area. The debt was paid off in 2019. The final 2019 surplus of \$8,034 was returned back to the taxpayer as credit in the 2020 tax requisition, and the service budget is discontinued from 2021 onwards.

SEWER SERVICE

Service Description

The Port Renfrew sewer system serves 88 properties in the Beach Camp and localized residential area above and has continued to operate reliably in the past year, although the wastewater treatment plant (WWTP) occasionally had difficulty processing peak flow events. The treatment process consists of an extended aeration facility and a steel outfall which discharges treated effluent to the San Juan River estuary under a Ministry of Environment permit. The 88 properties are comprised of 97.77 Single Family Equivalents (SFE's).

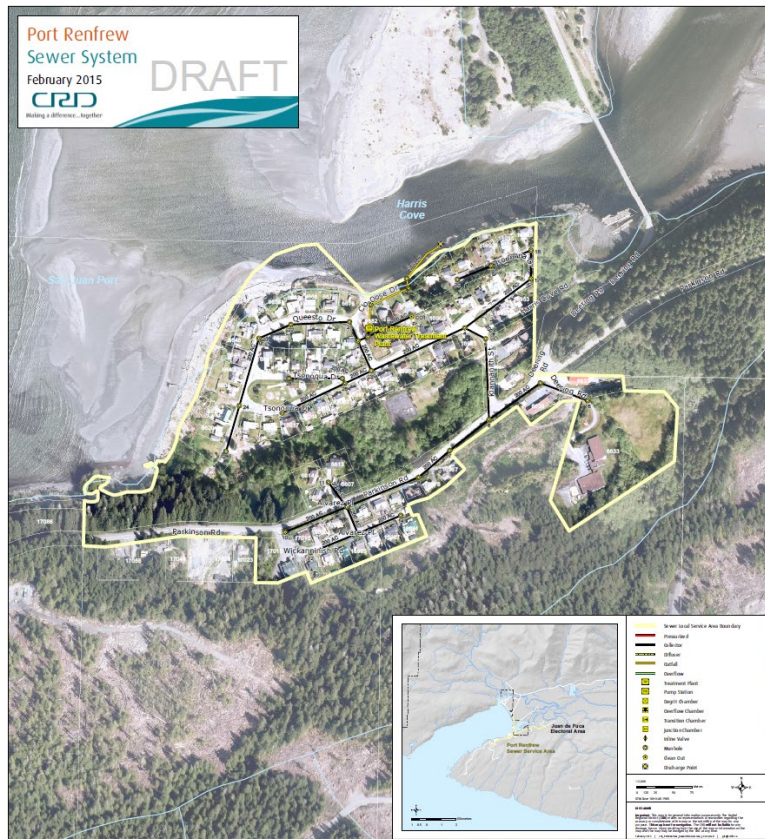


Figure 3: Map of the Sewer Service Area.

A sewage volume of 20,418 m³ was treated and discharged in 2020 which equates to an average of 209 m³/SFE. Sewage flows in Port Renfrew went up by 14% from 2019 which can be influenced by annual rainfall and tourist numbers. During the rainy season, inflow and infiltration water enters

the sewer system through cracks and defects in the pipes and manholes that were installed in the 1960's.

Figure 4 shows Port Renfrew sewer flow trends over the last eight years.

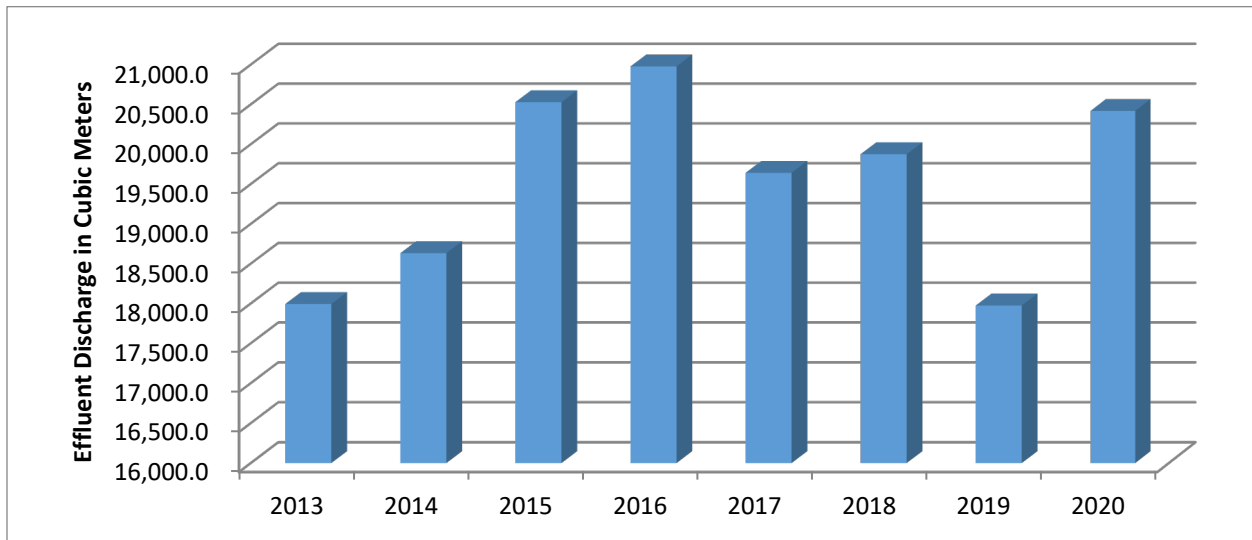


Figure 4: Port Renfrew Sewer Flow Trends 2013-2020

Treated Effluent Discharge Quality

Regulatory Compliance – Wastewater

Flow and effluent quality are assessed for compliance with the provincial discharge permit on a daily and monthly basis, respectively. Mean daily flows in 2020 were similar to flow rates recorded since 2007; flow exceeded the permitted daily maximum on a single day in January 2020 due to heavy rains. There were no exceedances of the permitted effluent quality limits in 2020.

Receiving Water

Routine receiving water monitoring was required at the Port Renfrew WWTP in 2020, but did not take place as planned. This monitoring is required every 4 years unless there are planned bypasses, plant failures/overflows, or wet weather overflows that exceed 3 days duration in the winter or 1 day duration in the summer. The 2020 sampling did not take place because staff have been in discussions with provincial regulators to change sampling methodologies to reduce sampling costs while achieving the same objectives of protecting human health and the environment. A response from the regulators is expected in 2021.

Non-routine emergency sampling was required once in February 2020 due to a clogged outfall which caused a sewage spill to land adjacent to the plant. Shoreline sampling during the event confirmed that risk to human health was low and all results were below recreational guidelines.

Sewer Service Operational Highlights

The following is a summary of the major operational issues that were addressed by the CRD Integrated Water Services staff:

- Higher than normal grit removal from the treatment plant.

- Emergency repairs for blocked outfall terminus.
- Danger tree removal at the WWTP.
- Multiple storm event responses to the WWTP.
- Mechanical repairs to WWTP pump #1.
- Blocked air pump in aeration system.

Sewer Service Capital Project Updates

A Strategic Asset Management Plan (SAMP) is being developed and will include information from past studies on condition and age of the existing infrastructure and recommend a prioritized list of infrastructure replacements, which will serve as the basis for future capital spending plans.

In future years it is expected that funds will need to be borrowed to replace parts of the aging sewer system and to increase the capacity of the treatment plant, to accommodate the increasing wastewater flows.

There were no planned Capital Projects in 2020, but through a Community Works Fund grant, a structural assessment of various items at the plant was completed and the platform over the influent pump station wet well was replaced. Additional structural upgrades are planned for 2021. The WWTP Roof Replacement project has been delayed due to Covid-19 and the difficulty of finding a contractor to do this work.

Street Lighting Service

Street lighting service is provided in the area of Port Renfrew known as Beach Camp. The street lights are operated and maintained by BC Hydro, and costs are recovered through a parcel tax and user charge on parcels in the area where the service is provided. There were no significant issues with this service in 2020.

Refuse Disposal Service

The Port Renfrew Refuse Disposal service serves 332 properties (289 residential folios) within the service area and is funded through direct tax requisition based on the value of each property. The Pacheedaht First Nation also utilizes the facility through a fee-for-service agreement. The tonnages of materials received and transferred at the Port Renfrew facility in 2020 are as follows:

Garbage		201 tonnes (12% increase from 2019)
Recyclables	Paper fibres	19 tonnes (30% decrease from 2019)
	Glass/metal/plastic containers	5 tonnes (17% decrease from 2019)
	Polystyrene	0.2 tonnes (24% decrease from 2019)
	Scrap metal	37 tonnes (9% increase from 2019)
	Kitchen scraps	15 tonnes (12% decrease from 2019)
	<u>Total recyclables</u>	<u>76 tonnes (10% decrease from 2019)</u>

Financial Report

Please refer to the attached 2020 Statement of Operations for Port Renfrew Street Lighting, Water, Snuggery Cove Water, Sewer and Refuse Disposal services. Revenue includes parcel taxes (Transfers from Government), fixed user fees (User Charges), Water Sales, interest on savings (Interest Earnings), and miscellaneous revenue such as late payment charges (Other Revenue).

Expenses includes all costs for providing the service. General Government Services includes budget preparation, financial management, utility billing and risk management services. CRD Labour and Operating Costs includes CRD staff time as well as the cost of equipment, tools and vehicles. Debt servicing costs are interest and principal payments on long term debt. Other Expenses includes all other costs to administer and operate the water system, including insurance, supplies, water testing and electricity.

The difference between Revenue and Expenses is reported as Net Revenue (expenses). Any transfers to or from capital or reserve funds for the service (Transfers to Own Funds) are deducted from this amount and added to any surplus or deficit carry forward from the prior year, yielding an Accumulated Surplus (or deficit) that is carried forward to the following year.

As of December 31, 2020, the accumulated deficit in Port Renfrew Sewer Service was (\$2,202). In alignment with Local Government Act Section 374 (11), if actual expenditures exceed actual revenues, any deficiency must be included in the next year's financial plan. The financial plan approved on March 24, 2021 incorporated this deficit.

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Concurrence	Ted Robbins, BSc, C.Tech, General Manager, Integrated Water Services

Attachment: 2020 Financial Summary

For questions related to this Annual Report please email IWSAdministration@crd.bc.ca

Table 1

Table 1: 2020 Summary of Raw Water Test Results, Port Renfrew Water System									
PARAMETER		2020 ANALYTICAL RESULTS				CANADIAN GUIDELINES	2010 - 2019 RESULTS		
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Minimum Maximum		≤ = Less than or equal to	Median	Samples Analyzed	Range Minimum-Maximum
ND means Not Detected by analytical method used									
Physical Parameters/Non-Metallic Inorganics									
Carbon, Total Organic	mg/L	1.63	4	ND	8.20		1.4	13	ND - 26.0
Hardness as CaCO3	mg/L	39.7	4	38.8	46.7	No Guideline Required	40.1	21	7.71 - 47.3
pH	pH units	7.30	9	6.60	8.40	6.5 - 8.5 AO	8.37	20	7.40 - 8.48
Turbidity	NTU	ND	8	ND	0.50		0.15	28	ND - 0.73
Water Temperature	°C	8.40	13	6.70	9.10	>15 AO	8.8	78	5.0 - 12.1
Microbial Parameters									
Indicator Bacteria and Turbidity									
Coliform, Total	CFU/100 mL	0	9	ND	0		1	115	0 - 2
<i>E. coli</i>	CFU/100 mL	0	9	0	0		0	115	0 - 0
Metals									
Aluminum	ug/L as Al	6.95	4	6.00	8.30	2900 MAC / 100 OG	8.00	21	ND - 144
Antimony	ug/L as Sb	ND	4	ND	0.0	6 MAC	ND	21	ND - 1.30
Arsenic	ug/L as As	0.12	4	0.11	0.12	10 MAC	ND	21	ND - 0.14
Barium	ug/L as Ba	1.05	4	1.00	1.20	1000 MAC	1.20	21	ND - 1.40
Beryllium	ug/L as Be	ND	4	ND	0.0		ND	21	ND - 0.0
Bismuth	ug/L as Bi	ND	4	ND	0.0		ND	10	ND - 0.0
Boron	ug/L as B	105.5	4	104.0	116.0	5000 MAC	ND	21	ND - 115.0
Cadmium	ug/L as Cd	ND	4	ND	0.0	5 MAC	ND	21	ND - 0.19
Calcium	mg/L as Ca	7.16	4	6.84	8.24	No Guideline Required	7.05	21	2.63 - 8.34
Chromium	ug/L as Cr	ND	4	ND	0.0	50 MAC	ND	21	ND - 0.0
Cobalt	ug/L as Co	ND	4	ND	0.0		ND	21	ND - 0.0
Copper	ug/L as Cu	0.25	4	ND	2.48	2000 MAC / ≤ 1000 AO	ND	21	ND - 48.0
Iron	ug/L as Fe	ND	4	ND	0.0	≤ 300 AO	ND	21	ND - 80.0
Lead	ug/L as Pb	ND	4	ND	0.0	5 MAC	ND	21	ND - 0.25
Lithium	ug/L as Li	ND	4	ND	0.0		ND	3	ND - 0.0
Magnesium	mg/L as Mg	5.30	4	5.26	6.35	No Guideline Required	5.52	21	0.08 - 6.62
Manganese	ug/L as Mn	9.65	4	9.50	10.8	120 MAC / ≤ 20 AO	10.0	21	ND - 12.1
Molybdenum	ug/L as Mo	ND	4	ND	0.0		ND	21	ND - 0.0
Nickel	ug/L as Ni	ND	4	ND	0.0		ND	21	ND - 0.0
Potassium	mg/L as K	3.27	4	3.22	3.65		3.37	21	0.20 - 6.63
Sulphur	mg/L as S	ND	4	ND	3.70		ND	14	ND - 0.0
Selenium	ug/L as Se	2.47	4	ND	3.04	50 MAC	ND	21	ND - 0.78
Silicon	mg/L	4.27	4	4.20	4.35		4.33	21	1.03 - 7.12
Silver	ug/L as Ag	ND	4	ND	0.0	No Guideline Required	ND	21	ND - 0.0
Sodium	mg/L as Na	26.0	4	25.0	30.0	≤ 200 AO	26.9	21	17.0 - 38.2
Strontium	ug/L as Sr	52.3	4	50.8	60.7	7000 MAC	51.6	21	34.0 - 82.0
Tin	ug/L as Sn	ND	4	ND	0.0		ND	21	ND - 0.0
Titanium	ug/L as Ti	ND	4	ND	0.0		ND	21	ND - 0.0
Thallium	ug/L as Tl	ND	4	ND	0.0		ND	14	ND - 0.0
Uranium	ug/L as U	ND	4	ND	0.0	20 MAC	ND	14	ND - 0.0
Vanadium	ug/L as V	ND	4	ND	0.0		ND	21	ND - 22.0
Zinc	ug/L as Zn	ND	4	ND	0.0	≤ 5000 AO	ND	21	ND - 136
Zirconium	ug/L as Zr	ND	4	ND	0		ND	14	ND - 0.0

Table 2

Table 2: 2020 Summary of Treated Water Test Results, Port Renfrew Water System									
PARAMETER		2020 ANALYTICAL RESULTS				CANADIAN GUIDELINES	2010 - 2019 RESULTS		
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Min. Max.		≤ = Less than or equal to	Median	Samples Analyzed	Range Min.-Max.
ND means Not Detected by analytical method used									
Physical Parameters/Non-Metallic Inorganics									
Carbon, Total Organic	mg/L as C	0.49	4	ND	1.10		0.72	14	ND - 5.60
Hardness as CaCO3	mg/L	41.0	4	40.4	47.0	No Guideline Required	40.7	12	37.1 - 47.6
pH	pH units	7.20	9	6.90	7.80	6.5 - 8.5 AO	7.96	2	7.96 - 7.96
Turbidity	NTU	Not tested in 2020					0.28	4	0.12 - 0.68
Water Temperature	degrees C	6.20	167	3.10	18.2		13.1	446	2.80 - 24.1
Microbial Parameters									
Microbial Parameters									
Coliform, Total	CFU/100 mL	0	62	0	1	0 MAC	0	198	0 - 1
<i>E. coli</i>	CFU/100 mL	0	62	0	0	0 MAC	0	198	0 - 0
Disinfectants									
Chlorine, Free Residual	mg/L as Cl2	0.42	162	0.12	0.74	No Guideline Required	0.39	492	0.0 - 1.32
Chlorine, Total Residual	mg/L as Cl2	0.48	70	0.18	0.81	No Guideline Required	0.51	471	0.05 - 1.78
Disinfection By-Products									
Trihalomethanes (THMs)									
Bromodichloromethane	ug/L	15.5	4	10.0	18.0		17.0	13	7.90 - 24.0
Bromoform	ug/L	7.60	4	7.00	14.0		8.60	13	5.20 - 20.7
Chloroform	ug/L	8.80	4	6.60	9.90		9.60	13	4.60 - 15.0
Chlorodibromomethane	ug/L	21.5	4	16.0	29.0		22.0	13	13.0 - 33.0
Total Trihalomethanes	ug/L	54.5	4	40.0	69.0	100 MAC	57.0	13	36.0 - 82.8
Metals									
Aluminum	ug/L as Al	7.70	4	7.40	9.00	2900 MAC / 100 OG	8	12	6.5 - 23.4
Antimony	ug/L as Sb	ND	4	ND	0.0	6 MAC	ND	12	ND - 0.0
Arsenic	ug/L as As	0.14	4	0.11	0.15	10 MAC	0.14	12	0.12 - 0.17
Barium	ug/L as Ba	1.50	4	1.40	1.60	1000 MAC	1.60	12	1.0 - 6.4
Beryllium	ug/L as Be	ND	4	ND	0.0		ND	12	ND - 0.0
Bismuth	ug/L as Bi	ND	4	ND	0.0		ND	12	ND - 0.0
Boron	ug/L as B	108.0	4	105.0	116.0	5000 MAC	ND	12	ND - 116.0
Cadmium	ug/L as Cd	ND	4	ND	0.04	5 MAC	ND	12	ND - 0.01
Calcium	mg/L as Ca	7.47	4	7.31	8.59	No Guideline Required	7.61	12	6.88 - 8.70
Chromium	ug/L as Cr	ND	4	ND	0.0	50 MAC	ND	12	ND - 0.0
Cobalt	ug/L as Co	ND	4	ND	0.0		ND	12	ND - 0.0
Copper	ug/L as Cu	2.10	4	1.70	3.12	2000 MAC / ≤ 1000 AO	2.37	12	0.20 - 5.61
Iron	ug/L as Fe	8.4	4	6.10	15.8	≤ 300 AO	20.6	12	ND - 221.0
Lead	ug/L as Pb	ND	4	ND	0.0	5 MAC	ND	12	ND - 0.35
Lithium	ug/L as Li	ND	1	ND	0.0		ND	2	ND - 0.0
Magnesium	mg/L as Mg	5.45	4	5.34	6.22	No Guideline Required	5.32	12	4.82 - 6.28
Manganese	ug/L as Mn	7.65	4	6.60	9.50	120 MAC / ≤ 20 AO	6.75	12	2.70 - 217.0
Molybdenum	ug/L as Mo	ND	4	ND	0.0		ND	12	ND - 1.10
Nickel	ug/L as Ni	ND	4	ND	0.0		ND	12	ND - 0.0
Potassium	mg/L as K	3.43	4	3.23	3.47		3.31	12	3.18 - 3.58
Selenium	ug/L as Se	ND	4	ND	0.0	50 MAC	ND	12	ND - 0.0
Sulphur	mg/L as S	ND	4	ND	0.0		ND	12	ND - ND
Silver	ug/L as Ag	ND	4	ND	0.0	No Guideline Required	ND	12	ND - 0.0
Sodium	mg/L as Na	30.4	4	30.1	33.6	≤ 200 AO	30.9	12	24.8 - 35.3
Silicon	mg/L	4.34	4	4.21	4.47		4.44	12	4.05 - 5.00
Strontium	ug/L as Sr	53.8	4	51.6	60.1	7000 MAC	53.4	12	48.2 - 60.9
Tin	ug/L as Sn	ND	4	ND	0.0		ND	12	ND - 0.0
Thallium	ug/L as Tl	ND	4	ND	0.0		ND	12	ND - 0.0
Titanium	ug/L as Ti	ND	4	ND	0.0		ND	12	ND - 5.70
Uranium	ug/L as U	ND	4	ND	0.0	20 MAC	ND	12	ND - 0.0
Vanadium	ug/L as V	ND	4	ND	0.0		ND	12	ND - 0.0
Zinc	ug/L as Zn	ND	4	ND	7.90	≤ 5000 AO	3.90	12	ND - 17.2
Zirconium	ug/L as Zr	ND	4	ND	0.0		ND	12	ND - 0.12

CAPITAL REGIONAL DISTRICT

PORT RENFREW WATER Statement of Operations (Unaudited) For the Year Ended December 31, 2020

	2020	2019
Revenue		
Transfers from government	58,327	55,570
User Charges	59,752	59,688
Water Sales	500	500
Other revenue from own sources:		
Insurance Settlement	24,748	-
Interest earnings	50	603
Other revenue	1,151	19,355
Total Revenue	144,527	135,717
Expenses		
General government services	5,401	5,362
Contract for Services	19,253	4,945
CRD Labour and Operating costs	94,317	69,166
Other expenses	22,038	12,949
Total Expenses	141,008	92,422
Net revenue (expenses)	3,519	43,295
Transfers to own funds:		
Capital Reserve Fund	1,519	43,295
Operating Reserve Fund	2,000	-
Annual surplus/(deficit)	-	-
Accumulated surplus/(deficit), beginning of year	-	-
Accumulated surplus/(deficit), end of year	\$ -	-

CAPITAL REGIONAL DISTRICT

PORT RENFREW WATER Statement of Reserve Balances (Unaudited) For the Year Ended December 31, 2020

	Capital Reserve	
	2020	2019
Beginning Balance	72,955	62,461
Transfer from Operating Budget	1,519	43,295
Transfers from Completed Capital Projects	4,848	11,661
Transfer to Capital Projects	-	(46,000)
Interest Income	1,478	1,538
Ending Balance	80,799	72,955

	Operating Reserve	
	2020	2019
Beginning Balance	-	-
Transfer from Operating Budget	2,000	-
Interest Income	21	-
Ending Balance	2,021	-

CAPITAL REGIONAL DISTRICT

SNUGGERY COVE WATER Statement of Operations (Unaudited) For the Year Ended December 31, 2020 Discontinued in 2020

	2020	2019
Revenue		
Transfers from government	(8,034)	1,719
Other revenue from own sources:		
Transfer from capital fund	-	18,848
Other revenue	-	6,011
Total Revenue	(8,034)	26,578
Expenses		
General government services	-	712
Debt Servicing Costs	-	17,505
Other Expenses	-	245
Total Expenses	-	18,462
Annual surplus/(deficit)	(8,034)	8,116
Accumulated surplus/(deficit), beginning of year	8,034	(81)
Accumulated surplus/(deficit), end of year	\$ -	8,034

CAPITAL REGIONAL DISTRICT

PORT RENFREW SEWER Statement of Operations (Unaudited) For the Year Ended December 31, 2020

	2020	2019
Revenue		
Transfers from government	48,210	45,620
User Charges	48,724	46,875
Other revenue from own sources:		
Interest earnings	44	18
Grants	13,470	-
Other revenue	1,083	1,067
Total Revenue	111,531	93,581
Expenses		
General government services	3,764	3,338
Contract for Services	19,080	3,077
CRD Labour and Operating costs	70,154	61,218
Other expenses	20,736	25,727.40
Total Expenses	113,733	93,361
Net revenue (expenses)	(2,202)	220
Transfers to own funds:		
Capital Reserve Fund	-	220
Annual surplus/(deficit)	(2,202)	-
Accumulated surplus/(deficit), beginning of year	-	-
Accumulated surplus/(deficit), end of year	\$ (2,202)	-

CAPITAL REGIONAL DISTRICT

PORT RENFREW SEWER Statement of Reserve Balances (Unaudited) For the Year Ended December 31, 2020

	Capital Reserve	
	2020	2019
Beginning Balance	19,828	57,548
Transfer from Operating Budget	-	220
Transfers from Completed Capital Projects	1,310	-
Transfer to Capital Projects	-	(39,000)
Interest Income	410	1,060
Ending Balance	21,548	19,828

	Operating Reserve	
	2020	2019
Beginning Balance	-	-
Transfer from Operating Budget	-	-
Transfer to Operating Budget	-	-
Interest Income	21	-
Ending Balance	-	-

CAPITAL REGIONAL DISTRICT

PORT RENFREW STREET LIGHTING Statement of Operations (Unaudited) For the Year Ended December 31, 2020

	2020	2019
Revenue		
Transfers from government	3,763	2,040
User Charges	3,017	2,087
Other revenue from own sources:	-	-
Interest earnings	30	76
Other revenue	326	402
Total Revenue	7,135	4,605
Expenses		
General government services	404	495
Electricity	6,455	6,508
Other expenses	72	62
Total Expenses	6,930	7,065
Net revenue (expenses)	205	(2,460)
Annual surplus/(deficit)	205	(2,460)
Accumulated surplus/(deficit), beginning of year	1,943	4,403
Accumulated surplus/(deficit), end of year	\$ 2,148	1,943

CAPITAL REGIONAL DISTRICT

PORT RENFREW REFUSE Statement of Operations (Unaudited) For the Year Ended December 31, 2020

	2020	2019
Revenue		
Transfers from government	32,855	31,860
Recovery from Pacheedaht FN	35,159	34,486
Recovery from CRD Solid Waste	15,330	15,000
Recyclables Sales	3,452	6,403
Other revenue from own sources:		
Interest earnings	66	297
Other revenue	305	3,194
Total Revenue	87,167	91,240
Expenses		
General government services	3,419	3,319
Contract for Services	74,007	71,098
Utilities & Telecommunications	1,860	2,195
Other expenses	123	268
Total Expenses	79,409	76,879
Net revenue (expenses)	7,758	14,361
Transfers to own funds:		
Equipment Replacement Fund	3,054	4,000
Capital Reserve Fund	4,704	10,361
Annual surplus/(deficit)	-	-
Accumulated surplus/(deficit), beginning of year	-	-
Accumulated surplus/(deficit), end of year	\$ -	-

CAPITAL REGIONAL DISTRICT

PORT RENFREW REFUSE Statement of Reserve Balances (Unaudited) For the Year Ended December 31, 2020

	Capital Reserve	
	2020	2019
Beginning Balance	67,364	55,443
Transfer from Operating Budget	4,704	10,361
Interest Income	1,332	1,560
Ending Balance	73,400	67,364

	Equipment Replacement Fund	
	2020	2019
Beginning Balance	33,851	29,443
Transfer from Operating Budget	3,054	4,000
Interest Income	317	408
Ending Balance	37,222	33,851