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**BEDDIS WATER SERVICE COMMISSION**

Notice of Meeting on **Thursday, January 25, 2018 at 10:00 am**

Creekside Meeting Room, Suite 108 121 McPhillips Ave, Salt Spring Island, BC

Wayne McIntyre

Simon Wheeler

Ruth Waldick

Geoff Bartol

Doreen Hewitt

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**AGENDA**

- 1. Approval of Agenda**
- 2. Adoption of the Minutes of November 20, 2017**
- 3. Chair and Director Reports**
- 4. Reports**
  - 4.1 2018 Operating and Capital Budget**

That the Beddis Water Service Commission:

1. Approve the 2018 operating and capital budget as presented, and that the 2017 actual surplus or deficit be balanced on the 2017 transfer to the Capital Reserve Fund;
  2. Recommend that the Electoral Area Services Committee recommend that the CRD Board approve the 2018 Operating and Capital Budget and the five year Financial Plan for the Beddis Water Service as presented.
- 5. New Business**
- 6. Outstanding Business**
- 7. Adjournment**

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*To ensure quorum, advise Tracey Shaver 250 537 4448 if you cannot attend.*



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**Minutes of the Regular Meeting of the Beddis Water Service Commission  
Held November 20, 2017 at the Creekside Meeting Room, #108 121 McPhillips Ave Salt  
Spring Island, BC**

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**DRAFT**

**Present:** **Director:** Wayne McIntyre  
**Commission Members:** Simon Wheeler (Chair), Geoff Bartol, Doreen Hewitt, Ruth Waldick  
**Staff:** Karla Campbell, Senior Manager SSI Electoral Area; Dan Robson, Manager, Saanich Peninsula and Gulf Islands Operations; Kyu-Chang Jo, Financial Analyst 2; Kristi Wilson, Environmental Science Officer; Tracey Shaver, Recording Secretary

The Chair called the meeting to order at 11:05 am.

**1. Approval of Agenda**

**MOVED** by Commissioner Bartol, **SECONDED** by Director McIntyre,  
That the Beddis Water Service Commission agenda of November 20, 2017 be approved. **CARRIED**

**2. Adoption of Minutes of October 6, 2016**

**MOVED** by Commissioner Waldick, **SECONDED** by Commissioner Hewitt,  
That the Beddis Water Service Commission minutes of October 6, 2016 be approved as amended by correcting the spelling of Commissioner Waldick under item 3.3. **CARRIED**

**3. Chair and Director Reports**

**3.1 Chair Report-** no reports

**3.2 Director McIntyre**

- Steve Price, Mayor of Sydney is the new CRD Board Chair. Good for the Southern Gulf Islands as there is a joint project on passenger only ferries being investigated.
- Rural Status - Progress being made to move Salt Spring's designation to "rural"; Letter of support from MLA Olsen being sent to the Province.

**4. Reports**

**4.1 2018 Operating and Capital Budget**

Staff reviewed the 2018 Operating and Capital Budget Report:

- Raw water intake required investigation and repair; temporary solution in place.
- Service area standpipe maintenance is annual; the National Fire Protection Association additionally mandates a thorough system investigation every 3-5 years
- Decommissioning of Lutman reservoir; capital project with no funding in place to remove empty reservoir; balance of service delivery and liability issues; Director suggested investigating the use of Community Works Funding (CWF) for this project or to free up funding from a qualifying CWF project; collapse risk is considered high in a seismic event.

- Conservation is working which reduces the water revenue; suggested increase in user charges of \$177.72.
- Quality of raw water impacts operating costs through disposal of sludge; consider ways to reduce waste product
- Commission requests staff prepare an alternative to the 2018 operating and capital budget with a user fee of \$595.00 and no change to the 2018 parcel tax (\$549.99)
- There was no motion to pass the budget as presented and it was generally agreed to defer approving the 2018 budget and have another meeting for further consideration.

**5. New Business**

None considered

**6. Outstanding Business**

**6.1 Water Testing**

Kristi Wilson, CRD Environmental Science Officer developed a draft of three extensive water testing scenarios and reported on their associated costs.

The proposed analytical water quality monitoring scenarios exceed the current recommendations in the Guidelines for Canadian Drinking Water Quality for public water purveyors with respect to frequency of sampling and parameters of concern. Generally, the proposed scenarios consist of varying testing frequencies and durations for the following parameters:

- Disinfection by-products (trihalomethanes and haloacetic acids)
- Total Organic Carbon (TOC)
- Algae
- Polychlorinated biphenyls (PCB)
- Turbidity
- Metals
- Taste & Odour

The cost of the three water sampling scenarios breaks down to an average increase of \$126.00 to \$236.00 per property/rate payer.

<b>Summary of Annual Costs per Beddis Water System Property/Rate Payer for Water Quality Monitoring Under Proposed Sampling Scenarios</b>						
<b>Scenario's</b>	<b>Existing Annual Lab Analytical Costs*</b>	<b>Proposed Additional Annual Lab Analytical Costs</b>	<b>NSSWW Labour/Courier Fees for Existing Sampling*</b>	<b>NSSWW Labour for Additional Sampling</b>	<b>Total Proposed Water Quality Monitoring Costs</b>	<b>Cost per Property/Rate Payer</b>
<b>A</b>	\$ 9,000	\$ 22,000	\$ 15,000	\$ 4,000	\$ 50,000	\$ 393.70
<b>B</b>	\$ 9,000	\$ 26,000	\$ 15,000	\$ 4,000	\$ 54,000	\$ 425.20
<b>C</b>	\$ 9,000	\$ 15,000	\$ 15,000	\$ 4,000	\$ 43,000	\$ 338.58

\*2017 value

Brief discussion on the following:

- Limitations of single location sampling; need broader perspective of lake health
- Cyanobacterial blooms are becoming a Health Canada issue
- Salt Spring Island Watershed Society Technical Group being formed
- Additional sampling should start with the rainy season
- Impact on ratepayers
- Should the Commission wish to consider increased sampling, staff will prepare a report for consideration and impact on the budget.

## **7. Adjournment**

**MOVED** by Commissioner Bartol, **SECONDED** by Director McIntyre,  
That the meeting be adjourned at 12:17 pm.

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**CHAIR**

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**SENIOR MANAGER**



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**REPORT TO BEDDIS WATER SERVICE COMMISSION  
MEETING OF THURSDAY, JANUARY 25, 2018**

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**SUBJECT     REVISED 2018 OPERATING AND CAPITAL BUDGET**

**ISSUE**

To present a revised 2018 operating and capital budget. In accordance with Bylaw No 3247, "Beddis Water Service Commission Bylaw No. 1, 2004" the Commissions' approval of the annual budget is required.

**BACKGROUND**

At their November 20, 2017, the Beddis Water Service Commission was presented with the services 2018 Operating and Capital Budget for their review, consideration and approval. The Commission carefully reviewed their budget and expressed concerns about the increase in annual operating costs and the corresponding increase in the annual fixed user charge. The Commission did not approve their budget and asked staff to take the following into consideration when preparing the revised 2018 Operating and Capital Budget:

- Hold the parcel tax at \$549.99.
- Set the maximum user fee at \$595.00
- Given that water sale revenue has decreased, likely due to community water conservation efforts, review and present variable water consumption user charge rate increases for their consideration.
- Review the Decommissioning Lautman Reservoir capital project scheduling. Given the state of the abandoned infrastructure and liability risks the Commission felt that the project is a higher priority and should be completed much sooner than 2022. Staff will review and investigate ways to improve the project schedule and look for alternative funding opportunities, such as Community Works Funds (CWF).

The Capital Regional District (CRD) is required by legislation under the *Local Government Act* (LGA) to prepare an annual operating and capital budget and a 5-year financial plan including Operating Budgets and Capital Expenditure Plans annually. CRD staff have prepared the financial plan shown in Appendix A to this report for the Beddis Water Service.

The Operating Budget includes the regular annual costs to operate the service. The Capital Expenditure Plan shows the anticipated expenditures for capital additions. These may include purchases of new assets or infrastructure, upgrades or improvements to existing assets or asset review and study work potentially leading to future capital improvements.

In preparing the Operating Budget, CRD staff took into account:

1. Actual expenditures incurred between 2015 and 2017
2. Anticipated changes in level of service (if any)
3. Maximum allowable tax requisition
4. Annual Cost per taxpayer and per SFE

Factors taken into consideration in the preparation of the Capital Expenditure Plan included:

1. Available funds on hand
2. Projects already in progress
3. Condition of existing assets and infrastructure
4. Regulatory, environmental, and health and safety factors.

The proposed Operating and Capital budget for the Service will be presented to the Electoral Area Services Committee of the CRD. Adjustments for surpluses or deficits from 2017 may be made in January 2018. The CRD Board will give final approval to the budget and financial plan in March 2018.

The Financial Plan for the years 2019 – 2022 may be changed in future years.

### **BUDGET OVERVIEW**

#### *Operating Budget (Expenditures and Revenue)*

It is anticipated that the final operating expenses in 2017 will be approximately \$4,400 over budget, due to unexpected breakdowns in equipment that include the replacement of electronic turbidity equipment, modifications to electronic level monitoring equipment and unplanned raw water intake system modifications.

It is anticipated that the operating revenue will be approximately \$12,300 under budget due primarily to significantly lower 2017 water sales than budgeted, likely the result of water conservation efforts

As a result, there is an overall 2017 budget deficit of approximately \$17,160. In order to reduce this deficit and balance the budget, CRD staff recommend that:

- \$14,060 of Operating Reserve Funds (ORF) be used as revenue for the unplanned raw water intake work.
- The 2017 transfer to the Capital Reserve Fund (CRF) be reduced by approximately \$3,100.

In further review of the 2018 operating budget, staff were able to identify expenditure areas in the budget that could be reduced from what was presented in November; specifically sludge hauling and disposal costs. These particular water treatment facility operating costs are dependent on the quality of the raw water source quality. The lower the raw water quality the higher the sludge transportation and disposal operating costs. As a result of the operating budget review, the 2018 operating budget increase is approximately 1.2% compared to the 2.7% increase presented in November 2017.

#### *Municipal Finance Authority (MFA) Debt*

MFA debt servicing costs are incurred on debt of \$325,500 issued in 2005 at 1.80% interest and \$300,000 issued in 2013 at 3.15% interest and \$70,000 in 2013 at 3.85% interest. The annual debt servicing cost of \$66,290 is a slight increase from 2017 and is the result of an interest rate adjustment.

*Operating Reserve Fund*

The Operating Reserve Fund is used to undertake maintenance activities that typically do not occur on an annual basis. Typical maintenance activities include hydrant/standpipe maintenance and reservoir cleaning and inspection. The operating reserve also funds the procurement of equipment and supplies that are not purchased on an annual basis. Additionally, the operating reserve could be used for emergency unplanned repairs.

In 2017 there were unplanned repairs/response related to the raw water intake system that resulted in costs of approximately \$14,060. These costs are proposed to be recovered from the Operating Reserve Fund.

It is proposed that transfers to the Operating Reserve Fund increase by 2% in 2018. The Operating Reserve Fund balance at the end of 2017 is projected to be approximately \$6,860.

*Capital Reserve Fund*

The Capital Reserve Fund is to be used to pay for capital expenditures that are not funded by other sources such as grants, operating budget or debt.

It is proposed that transfers to the Capital Reserve Fund be increased from \$5,400 to \$7,000 in 2018. This increase is necessary to ensure the 5 year capital plan is fully funded. The balance at the end of 2017 is projected to be \$69,636.00.

*Capital Expenditure Plan*

The 5-year plan includes \$207,130 of expenditures to be funded by a combination of Community Works Funds, the service's Capital Reserve Fund and new debt following a public engagement and referendum process planned in 2020. The new debt will fund the construction of the Sky Valley Booster Pump Station project.

The decommissioning of the Lautman Reservoir Project is scheduled to be completed in 2022, funded by the services capital reserves. Staff will investigate alternative funding opportunities, including the use of Community Works Funds, in order for the work to be completed sooner.

*Capital Projects Fund*

As specific capital projects are approved, the funding revenues for them are transferred into this Capital Project Fund. Whenever possible, any funds remaining upon completion of a project are transferred back to the Capital Reserve Fund for use on future capital projects. There is a planned transfer of \$35,881 from the Capital Projects Fund to the Capital Reserve Fund in 2017 with the project for the Creekside Pressure Control project completion.

*User Charges and Parcel Tax*

The annual fixed user charge, the variable water consumption user charge and the parcel tax fund the service. Typically the user charges fund the annual operational costs and the parcel tax funds the debt servicing and Capital Reserve Fund (CRF) contributions. Only those properties connected to the water system pay the user charges and all properties within the local service area are responsible for the parcel tax.

In order to fully fund the 2018 annual operating costs it is proposed that:

- the annual fixed user charge increase from \$561.10 to \$595.05 per user, a 6% increase;
- the parcel tax increase from \$549.99 to \$554.98 per parcel, a 0.9% increase; and
- the variable water consumption user charge rate increase as detailed in **Table A**

**TABLE A**

Water Consumption per quarterly billing cycle*	2017 Rate (\$/m <sup>3</sup> )	2018 Rate (\$/m <sup>3</sup> )	% Increase
First 38 m <sup>3</sup>	\$2.500	\$3.10	24
Next 68 m <sup>3</sup>	\$5.625	\$6.30	12
Greater than 106 m <sup>3</sup>	\$7.500	\$8.50	13

\* 3 month period

Historical user charge and parcel tax rates are included for information.

**RECOMMENDATION**

That the Beddis Water Service Commission:

1. Approve the 2018 operating and capital budget as presented, and that the 2017 actual surplus or deficit be balanced on the 2017 transfer to the Capital Reserve Fund;
2. Recommend that the Electoral Area Services Committee recommend that the CRD Board approve the 2018 Operating and Capital Budget and the five year Financial Plan for the Beddis Water Service as presented.

Submitted by	Karla Campbell, BPA, Senior Manager, Salt Spring Island Electoral Area
Submitted by	Matthew McCrank, MSc., P.Eng., Senior Manager, Infrastructure Operations
Submitted by	Rianna Lachance, BCom, CPA, CA, Senior Manager Financial Services
Concurrence	Ted Robbins, B.Sc., C.Tech., General Manager, Integrated Water Services
Concurrence	Robert Lapham, MCIP, RPP, Chief Administrative Officer

MMc//RL/KC:ls:ts

Attachment: 2018 Budget Beddis Water – Commission Review Revised Jan 10, 2018



# **CAPITAL REGIONAL DISTRICT**

## **2018 Budget**

### **Beddis Water (SSI)**

#### **Commission Review**

Compiled and Presented by CRD Finance

Jan-18

**DEFINITION:**

To provide and operate water supply and distribution facilities for the Salt Spring Island Beddis Water System Service Area. Bylaw No. 3188 (November 24, 2004).

**PARTICIPATION:**

Order in Council No 176, February 24, 2005.

**MAXIMUM LEVY:**

Greater of \$133,000 or \$2.71 / \$1,000 of actual assessed value of land and improvements, to a maximum of \$196,930.

**MAXIMUM CAPITAL DEBT:**

Beddis Waterworks 1994 previous debt paid out 2011	\$95,909		
AUTHORIZED: LA Bylaw No. 3193 (November 24, 2004)		\$325,500	
BORROWED: SI Bylaw No. 3291		(\$325,500)	4.17%
Remainin #####		<u>\$0</u>	
AUTHORIZED: LA Bylaw No. 3825 (July 11, 2012)		\$400,000	
BORROWED: SI Bylaw No. 3882 (Jan 9, 2013) Matured 2023		(\$300,000)	3.15%
BORROWED: SI Bylaw No. 3910 (July 2013)		(\$70,000)	3.85%
Remaining:		<u>\$30,000</u>	

**COMMITTEE:**

Beddis Water Service committee established by Bylaw No. 3247 (Dec 15, 2004)

**FUNDING:**

Any deficiencies after user charge and/or frontage tax or parcel tax to be levied on taxable school assessments, excluding property that is taxable for school purposes by Special Act.

- User Charge:** Fixed user charge + variable consumption charge to all metered properties.
- Parcel Tax:** Annual, only on properties capable of being connected to the system, starting 2006.
- User Charge:**
  - Annual Fixed Fee per Water Service Connection.
  - The consumption charge for water will be the total volume of water metered to the water service connections, measured in cubic meters at the following rate: (BL4171 March 2017)
    - First 38 cubic metres or portion - \$2.50 / cubic metre
    - Next 68 cubic metres or portion - \$5.625 / cubic metre
    - Greater than 106 cubic metres - \$7.50 / cubic metre

Beddis Water (SSI)	BUDGET REQUEST						FUTURE PROJECTIONS			
	2017		2018				2019	2020	2021	2022
	BOARD BUDGET	ESTIMATED ACTUAL	CORE BUDGET	ONGOING	ONE-TIME	TOTAL				
<b>OPERATING COSTS:</b>										
Operations Contracts	41,820	41,100	42,860	-	-	42,660	43,510	44,380	45,270	46,180
Grit & Waste Sludge Disposal	15,120	12,100	13,000	-	-	13,000	13,260	13,520	13,790	14,070
Repairs & Maintenance	6,000	1,000	6,120	-	-	6,120	6,240	6,360	6,480	6,600
Allocations	13,360	11,730	12,080	-	-	12,080	12,330	12,580	12,840	13,100
Water Testing	8,940	8,000	9,300	-	-	9,300	9,490	9,680	9,870	10,070
Electricity	10,500	10,600	10,710	-	-	10,710	10,920	11,140	11,360	11,590
Supplies	10,000	16,500	10,200	-	-	10,200	10,400	10,600	10,810	11,020
Labour Charges	28,070	16,000	31,000	-	-	31,000	31,610	32,240	32,880	33,540
Other Operating Expenses	19,600	40,791	20,150	-	-	20,150	20,550	20,950	21,370	21,800
<b>TOTAL OPERATING COSTS</b>	<b>153,410</b>	<b>157,821</b>	<b>155,220</b>	<b>-</b>	<b>-</b>	<b>155,220</b>	<b>158,310</b>	<b>161,450</b>	<b>164,670</b>	<b>167,970</b>
*Percentage Increase over prior year						1.2%	2.0%	2.0%	2.0%	2.0%
<b>DEBT/RESERVES</b>										
Transfer to Operating Reserve	2,500	2,500	2,550	-	-	2,550	2,600	2,450	15,000	9,000
Transfer to Capital Reserve Fund	5,400	2,230	7,000	-	-	7,000	7,000	9,500	16,544	13,243
MFA Debt Principal	48,290	48,290	48,290	-	-	48,290	48,287	48,288	30,818	35,812
MFA Debt Interest	17,350	18,000	18,000	-	-	18,000	18,004	18,004	12,978	17,145
<b>TOTAL DEBT / RESERVES</b>	<b>73,540</b>	<b>71,020</b>	<b>75,840</b>	<b>-</b>	<b>-</b>	<b>75,840</b>	<b>75,891</b>	<b>78,242</b>	<b>75,340</b>	<b>75,200</b>
<b>TOTAL COSTS</b>	<b>226,950</b>	<b>228,841</b>	<b>231,060</b>	<b>-</b>	<b>-</b>	<b>231,060</b>	<b>234,201</b>	<b>239,692</b>	<b>240,010</b>	<b>243,170</b>
<b>FUNDING SOURCES (REVENUE)</b>										
Estimated balance C/F from 2017 to 2018	-	-	-	-	-	-	-	-	-	-
Sales - Water	(84,000)	(71,700)	(83,155)	-	-	(83,155)	(84,820)	(86,520)	(88,250)	(90,020)
User Charges	(71,260)	(71,260)	(75,565)	-	-	(75,565)	(82,130)	(82,830)	(82,360)	(84,040)
Transfer from Operating Reserve Fund	-	(14,060)	-	-	-	-	-	-	-	-
Other Revenue	(100)	(231)	(100)	-	-	(100)	(100)	(100)	(100)	(100)
<b>TOTAL REVENUE</b>	<b>(155,360)</b>	<b>(157,251)</b>	<b>(158,820)</b>	<b>-</b>	<b>-</b>	<b>(158,820)</b>	<b>(167,050)</b>	<b>(169,450)</b>	<b>(170,710)</b>	<b>(174,160)</b>
<b>REQUISITION - PARCEL TAX</b>	<b>(71,590)</b>	<b>(71,590)</b>	<b>(72,240)</b>	<b>-</b>	<b>-</b>	<b>(72,240)</b>	<b>(67,151)</b>	<b>(70,242)</b>	<b>(69,300)</b>	<b>(69,010)</b>
*Percentage increase over prior year										
User Fee						6.0%	8.7%	0.9%	-0.6%	2.0%
Requisition						0.9%	-7.0%	4.6%	-1.3%	-0.4%
Combined						3.5%	1.0%	2.5%	-0.9%	0.9%

**Reserve Schedule**

**Reserve Fund: Operating Reserve Fund**

Reserve fund used for: unforeseen operational repairs and maintenance; infrequent maintenance activities such as reservoir cleaning and inspection, hydrant maintenance. Optimum minimum balance of \$14,000 (approximately 10%) of the annual operating budget.

**Reserve Cash Flow**

**Fund: 1500 Fund Center: 105206**

	<b>Budget</b>					
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
<b>Beginning Balance</b>	18,418	6,858	9,408	4,008	6,458	1,458
<b>Transfer from Operating Budget</b>	2,500	2,550	2,600	2,450	15,000	9,000
<b>Expenditures</b>	(14,060)	-	(8,000)	-	(20,000)	-
Planned maintenance activity			Hydrant maintenance		Reservoir cleaning and inspection	
<b>Interest Income</b>		-	-	-	-	-
<b>Ending Balance \$</b>	<b>6,858</b>	<b>9,408</b>	<b>4,008</b>	<b>6,458</b>	<b>1,458</b>	<b>10,458</b>

**Reserve Schedule**

**Reserve Fund: Capital Reserve Fund - Bylaw 3274**

For capital repairs, additions and improvements to water system infrastructure

**Reserve Cash Flow**

**Fund: 1069 Fund Center: 101894**

	<b>Budget</b>					
	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
<b>Beginning Balance</b>	36,825	69,636	56,636	63,636	33,136	49,680
<b>Transfer from Ops Budget</b>	2,230	7,000	7,000	9,500	16,544	13,243
<b>Transfer to Cap Fund (Based on Capital Plan)</b>	(5,300)	(20,000)	-	(40,000)	-	(30,000)
<b>Transfer from Cap Fund</b>	35,881	-	-	-	-	-
<b>Interest Income</b>		-	-	-	-	-
<b>Ending Balance \$</b>	<b>69,636</b>	<b>56,636</b>	<b>63,636</b>	<b>33,136</b>	<b>49,680</b>	<b>32,923</b>



**Service: 2.624**                      **Beddis Water (SSI)**

**Proj. No. 17-01**                      **Capital Project Title** Lautman reservoir                      **Capital Project Description** Dismantle and remove Lautman reservoir

**Asset Class** Equipment                      **Board Priority Area** Integrated Water Management                      **Corporate Priority Area** Drinking Water

**Project Rationale** *Lautman reservoir has been decommissioned and requires dismantling and removal to mitigate risk. Tank was not designed to withstand seismic loading and would likely fail in a seismic event.*

**Proj. No. 17-02**                      **Capital Project Title** Strategic Asset Management Plan                      **Capital Project Description** Identify condition of assets, develop prioritized list of infrastructure replacement

**Asset Class** Engineered Structures                      **Board Priority Area** Integrated Water Management                      **Corporate Priority Area** Drinking Water

**Project Rationale** *The Strategic Asset Management Plan will recommend a prioritized list of infrastructure replacements, which will serve as the basis for future capital spending plans. Additional funds may be required for staff to complete the plan.*

**Proj. No. 18-01**                      **Capital Project Title** Intake Assessment and Design                      **Capital Project Description** Complete assessment, designs, construction estimates, and permit requirements.

**Asset Class** Engineered Structures                      **Board Priority Area** Integrated Water Management                      **Corporate Priority Area** Drinking Water

**Project Rationale** *To resolve the intermittent operation issue where the Cusheion Lake raw water intake pumps lose their prime (become air-locked) and either pump erratically or completely stop pumping raw water into treatment plant. Complete intake assessment, construction estimates, designs for construction and complete required permits. .*

**Service:** 2.624 **Beddis Water (SSI)**

**Proj. No.** 20-01 **Capital Project Title** Design booster pump at Sky Valley low **Capital Project Description** Complete designs, construction estimates, and permit requirements.

**Asset Class** Engineered Structures **Board Priority Area** Integrated Water Management **Corporate Priority Area** Drinking Water

**Project Rationale** *The existing booster pump at the decommissioned Lautman reservoir site is to be abandoned and replaced with a new booster pump at the Sky Valley Lower reservoir. Work to be confirmed through SAMP. The booser pump designs and development of detailed cost estimates will permit accurate cost estimating prior to initiating a referendum for borrowing to fund project.*

**Proj. No.** 20-02 **Capital Project Title** Referendum for Sky Valley booster pur **Capital Project Description** Seek service area electors approval to fund project

**Asset Class** Engineered Structures **Board Priority Area** Integrated Water Management **Corporate Priority Area** Drinking Water

**Project Rationale** *As per Commission request (Dec. 15/2015), capital construction projects greater than \$50,000 are to be funded thru debt, in which case a referendum may be required*

**Proj. No.** 20-03 **Capital Project Title** Construct booster pump at Sky Valley l **Capital Project Description** Construction of booster pump at Sky Valley lower reservoir

**Asset Class** Engineered Structures **Board Priority Area** Integrated Water Management **Corporate Priority Area** Drinking Water

**Project Rationale** *The existing booster pump at take decommissioned Lautman reservoir site is to be abandoned and replaced with a new booster pump at the Sky Valley reservoir. This project need and value should be confirmed through a SAMP and funded through a successful referendum.*

**Proj. No.** **Capital Project Title** 0 **Capital Project Description** 0

**Asset Class** #N/A **Board Priority Area** 0 **Corporate Priority Area** 0



**Beddis Water (SSI)**

**Capital Projects Fund**

Year/Project#	Status	Capital Project Description	Total Budget	Expenditure Actuals	Remaining Funds	Funding Source-CRF*	Funding Source-CWF**	Return Surplus to CRF*	Return Surplus to CWF**
2011 / CE.291	OPEN	SAMP Study	20,000	(2,873)	17,127		20,000		
2015 / CE.446	CLOSED	Creekside PCS Rebuild	50,000	(20,727)	29,273	50,000		29,273	
2016 / CE.513	OPEN	Freshwater Backwash Tank	8,000	(1,885)	6,115	8,000			
		Unspent fund						6,608	
		<b>Totals</b>	<b>78,000</b>	<b>(25,485)</b>	<b>52,515</b>	<b>58,000</b>	<b>20,000</b>	<b>35,881</b>	<b>0</b>

\* CRF (Capital Reserve Fund)

\*\* CWF (Community Works Fund)

**Service:**

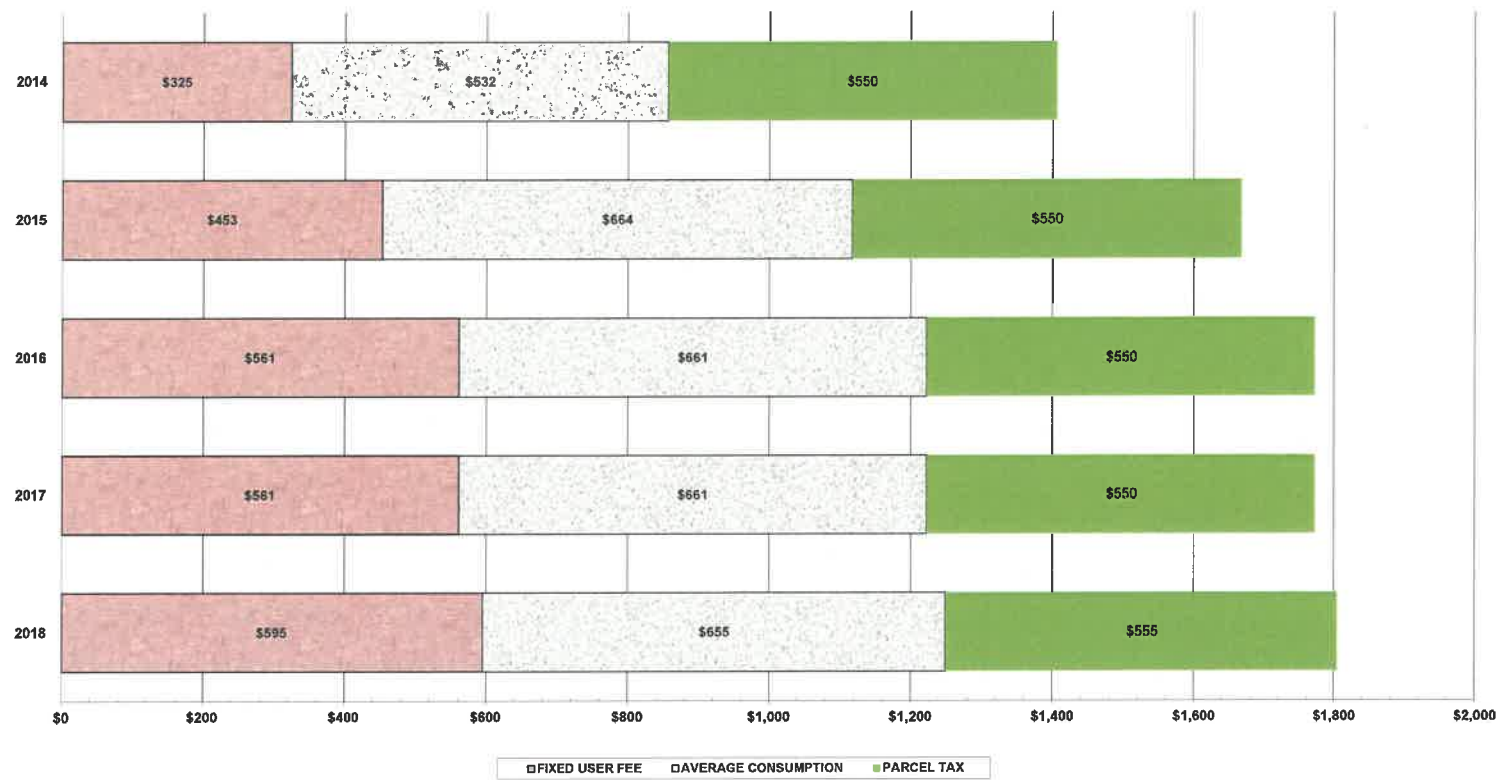
**2.624 Beddis Water (SSI)**

**Committee: Electoral Area Services**

<u>Year</u>	<u>Taxable Folios</u>	<u>Parcel Tax</u>	<u>SFE's</u>	<u>User Charge*</u>	<u>Tax &amp; Charges</u>	<u>Bylaw</u>	<u>Assessments \$(000's)</u>
2011	138	\$449.63	127	\$313.00	\$762.63	3777	80,257
2012	138	\$449.63	126	\$324.56	\$774.19	3822	79,242
2013	137	\$500.00	126	\$324.56	\$824.56	3822	77,082
2014	137	\$550.00	126	\$324.56	\$874.56	3925	74,107
2015	137	\$550.00	127	\$453.00	\$1,003.00	3993	72,593
2016	137	\$549.99	127	\$561.10	\$1,111.09	4073	72,669
2017	137	\$549.99	127	\$561.10	\$1,111.09	4171	80,096
2018	137	\$554.98	127	\$595.00	\$1,149.98		

\* A variable consumption charge is paid in addition to the fixed user charge

## CAPITAL REGIONAL DISTRICT BEDDIS WATER FUNDING ANALYSIS 2014-2018



Actual Costs 2014-2017, Projected 2018  
Prepared by CRD Finance  
01/10/2018