



Making a difference...together

CEDARS OF TUAM WATER SERVICE COMMISSION

Notice of Meeting on **Thursday, October 21, 2021 at 12:30 PM**

Creekside Meeting Room, 108 121 McPhillips Avenue, Salt Spring Island, BC

Gary Holman

Peter Wypkema

(r) regrets

AGENDA

1. Territorial Acknowledgement / Call Meeting to Order

2. Limited Space Meeting Resolution

That this resolution applies to the Cedars of Tuam Water Service Commission for the meeting being held on October 21, 2021, and that the attendance of the public at the place of the meeting will be limited in accordance with the applicable requirements or recommendations under the Public Health Act, despite the best efforts of the Commission because:

- a. The available meeting facilities cannot accommodate more than (10) people in person, including members of the Commission and staff, and
- b. There are no other facilities presently available that will allow physical attendance of the Commission and the public in sufficient numbers; and

That the Commission is ensuring openness, transparency, accessibility and accountability in respect of the open meeting by the following means:

- a. By making the meeting agenda, as well as the other relevant documents, available on the CRD website, and directing interested persons to the website by means of the notices provided in respect of the meeting,
- b. By making the minutes of the meeting available on the CRD website following the meeting.

Zoom Link: <https://us06web.zoom.us/j/86972342977>

3. Approval of Agenda

1-2

4. Approval of Minutes of November 5, 2020

3-5

5. Director, Chair and Commissioner Reports

6. New Business

6.1 2022 Capital and Operating Budget

6-22

That the Cedars of Tuam Water Service Commission:

- 1. Approve the 2022 operating and capital budget as presented, and that the 2021 actual surplus or deficit be balanced on the 2021 transfer to the Capital Reserve Fund, and

To ensure quorum, advise Shayla Burnham 250 537 4448 if you cannot attend.

2. Recommend that the Electoral Area Services Committee recommend that the CRD Board approve the 2022 Operating and Capital Budget and the five-year Financial Plan for the Cedars of Tuam Water Service as presented.

7. Outstanding Business - None

8. Adjournment



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**Minutes of the Cedars of Tuam Water Service Commission Meeting
Held Thursday November 5, 2020 Lions Hall 103 Bonnet Ave, Salt Spring Island, BC**

DRAFT

Present: **CRD Director:** Gary Holman
Commission Members: Peter Wypkema
Staff: Karla Campbell, Senior Manager, Salt Spring Electoral Office; Dan Robson, Manager, Saanich Peninsula and Gulf Islands Operations; Allen Xu, Manager Engineering, Salt Spring; Lia Xu, Manager, Financial Services (via telephone) Tracey Shaver, Recording Secretary.

1. Territorial Acknowledgement / Call Meeting to Order

Chair Wypkema provided a territorial Acknowledgement and called the meeting to order at 1:18 pm.

2. Limited Space Meeting Resolution

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman,
That this resolution applies to the Cedars of Tuam Water Service Commission for the meeting being held on November 5, 2020, and that the attendance of the public at the place of the meeting will be limited in accordance with the applicable requirements or recommendations under the Public Health Act, despite the best efforts of the Commission because:

- a. The available meeting facilities cannot accommodate more than (30) people in person, including members of the Commission and staff, and
- b. There are no other facilities presently available that will allow physical attendance of the Commission and the public in sufficient numbers; and

That the Commission is ensuring openness, transparency, accessibility and accountability in respect of the open meeting by the following means:

- a. By making the meeting agenda, as well as the other relevant documents, available on the CRD website, and directing interested persons to the website by means of the notices provided in respect of the meeting,
- b. By making the minutes of the meeting available on the CRD website following the meeting.

CARRIED

3. Approval of Agenda

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman,
That the Cedars of Tuam Water Service Commission Meeting agenda of November 5, 2020 be approved and amended by reordering the agenda to address item 7.1 prior to item 6.1

CARRIED

4. Approval of Minutes November 22, 2019

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman,
That the Cedars of Tuam Water Service Commission Meeting Minutes of November 22, 2019 be approved.

CARRIED

5. Director, Chair and Commissioner Reports – None

7.1 Water Rate Structure analysis

- Review and discussion of rate structure analysis models in staff report
- Goal is to maintain enough revenue to run the system, increase awareness and educate rate payers on need for new well
- Higher consumption charges may reduce water use further
- Equalize costs over 16 properties
- Proposed amendments to water rate structure: Reduce annual fixed user fee to \$1900, increase the per cubic metre charges. (up to 38 m³ at a rate of \$3.50 and over 38 m³ at \$9.00)

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman, That the Cedars of Tuam Water Service Commission recommend that the Electoral Area Services Committee recommend that the CRD Board approve amending the Cedars of Tuam rate structure in the 2021 Operating and Capital Budget and the five year Financial Plan for the Cedars of Tuam Water Service to a fixed charge of \$1900; and a tiered water consumption charge as follows: Tier 1 at 38 m³ or less at \$3.50 per m³; Tier 2 at greater than 39 m³ at \$9.00 per m³.

CARRIED

6. New Business

6.1 2021 Capital and Operating Budget

- Finance staff to remodel five year Capital and Operating budget with amendments

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman, That the Cedars of Tuam Water Service Commission:

1. Approve the 2021 operating and capital budget as amended, and that the 2020 actual surplus or deficit be balanced on the 2020 transfer to the Capital Reserve Fund; and,
2. Recommend that the Electoral Area Services Committee recommend that the CRD Board approve the amended 2021 Operating and Capital Budget and the five year Financial Plan for the Cedars of Tuam Water Service as presented.

CARRIED

7. Outstanding Business

7.2 Cedars of Tuam Water Service Concept Design for Connecting to New Well

- Interim option to connect existing treatment plant to new well
- Increase water supply at lower cost

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman, That the Cedars of Tuam Water Service Commission approves proceeding with Option 2 - interim design outlined in the Cedars of Tuam Conceptual Design Technical Memo dated September 12, 2019 and a detailed design to connect a new well in 2022.

CARRIED

7.3 Cedars of Tuam Asset Management Plans

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman,
That the Cedars of Tuam Water Service Commission receive asset management plan
for information.

CARRIED

8. Adjournment

MOVED by Commissioner Wypkema, **SECONDED** by Director Holman
That the meeting adjourn at 2:55 pm.

CARRIED

CHAIR

SENIOR MANAGER



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**REPORT TO CEDARS OF TUAM WATER SERVICE COMMISSION
THURSDAY, OCTOBER 21, 2021**

SUBJECT 2022 Operating and Capital Budget

ISSUE SUMMARY

To present the 2022 operating and capital budget. In accordance with Bylaw No 3055, "Cedars of Tuam Water Service Commission Bylaw No. 1, 2003" the Commission's approval of the annual budget is required.

BACKGROUND

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 five-year Financial Plan. CRD staff have therefore, prepared the financial plan shown in Attachment to this report for the Cedars of Tuam 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 that could potentially lead to future capital improvements.

In preparing the Operating Budget, CRD staff considered:

1. Actual expenditures incurred between 2019 and 2021
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

Adjustments for surpluses or deficits from 2021 may be made in January 2022. The CRD Board will give final approval to the budget and financial plan in March 2022.

The Financial Plan for the years 2022 – 2026 may be changed in future years.

BUDGET OVERVIEW

Operating Budget

It is projected that the 2021 operating expenses will be approximately \$3,176 under budget. The 2021 operating costs include cyclical maintenance programs (reservoir cleaning and inspection and a well pump inspection) that are funded by the operating reserve fund (\$12,500).

It is projected that the 2021 operating revenue will be on budget. As a result, there is an operating surplus of approximately \$3,176. In order to balance the budget, it is proposed that the 2021 transfer to the capital reserve fund be increased by the actual surplus amount.

The 2022 core operating cost has been increased by \$400 (1.4%) over 2021 core budget (excluding cyclical maintenance programs). The increase is primarily due to core inflation and an increase in labour charges. The 2022 total operating budget also includes a \$1,500 cyclical maintenance program to conduct a hydrant/standpipe system flush funded by the Operating Reserve Fund.

Municipal Finance Authority (MFA) Debt

Currently, there is no existing outstanding debt for this service.

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 and ground water well servicing. 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.

It is proposed that transfers to the operating reserve to be set at \$3,000 to ensure maintenance activities are fully funded and an optimal reserve balance be maintained. There is \$11,500 of planned maintenance to be funded by the Operating Reserve over the next five years.

The operating reserve balance at the end of 2021 is projected to be approximately \$2,258.

Capital Reserve Fund

The Capital Reserve Fund (CRF) 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 2022 capital reserve transfer be set at \$5,100. The reserve fund transfer planning process is influenced by the funding requirement to support the five-year capital expenditure plan and further guided by *Capital Reserve Funding Guidelines* endorsed by the CRD Board in aiming to achieve the optimal reserve fund level to ensure long-term prudent and sustainable management of service delivery objectives through capital investments.

The balance of the Capital Reserve Fund at the end of 2021 is projected to be \$18,697.

Capital Expenditure Plan

The 5-year plan includes \$752,000 of expenditures to be funded by a combination of the service's Capital Reserve Fund, grant, and new debt.

No new projects have been added to the 2022 five-year capital plan. Contingent on electoral assent, two borrowings of \$532,000 in 2023 and 2024 are projected to cover the capital expenditures related to the *design and construction of a back-up Power Generation equipment, and a new Well and Distribution System*.

Table 1 below provides the future debt servicing cost simulation for analytical purpose with the indicative interest rate provided by MFA at the time of simulation.

Table 1 – Future New Debt Simulation

<i>Future Borrowing(s) Estimation</i>	<i>Term</i>	<i>Borrowing Year</i>	<i>Retirement Year</i>	<i>Refinance Year</i>	<i>Estimated Interest Rate</i>	<i>Principal</i>	<i>Principal Payment</i>	<i>Interest Payment</i>	<i>Total Annual Debt Cost</i>
	25	2023	2048	2033	3.30%	\$82,000	\$2,479	\$2,706	\$5,185
	25	2024	2049	2034	3.30%	\$450,000	\$13,606	\$14,850	\$28,456
Total						\$532,000	\$16,085	\$17,556	\$33,642

At the commencement of each loan, 1% of the gross amount borrowed is withheld and retained by MFA as Debt Reserve Fund (DRF). In order to provide the full amount to fund the capital project, this 1% DRF amount is budgeted in the operating budget in the year of borrowing. However, there is no principal payment required in the year of borrowing.

Capital Projects Fund

As specific capital projects are approved, the funding revenues for them are transferred into this Capital Project Fund from multiple funding sources if applicable, including Capital Reserve Fund (CRF), grant funding, external contributions and Debt. Any funds remaining upon completion of a project will be transferred back to its original funding source(s).

Fixed Back-up Power Generation Equipment Projects

Specific projects of note, as mentioned above, are Project No. 22-01 - *Power Generation Equipment – Back-up Power Detailed Design* and Project No. 22-02 – *Power Generation Equipment – Back-Up Power Construction* that are planned for 2023. The Cedars of Tuam Water Service has the following sites that require back-up power: 1) Water Treatment Plant and pump station. In the event of a power failure at this site, the water distribution system is pressured by gravity from the water storage tank but no water is produced to replenish the tank volume. Staff’s recommendation is to install fixed back-up power generation equipment at the water treatment plant in order to ensure the community remains with potable water to their service at all times, including during extended utility power outages. The risks of not having back-up power is as follows:

Operations and Maintenance Staff Occupational Health and Safety Risk:

- In the event of a long duration power outage, typically the result of a significant storm event, operations and maintenance staff are responding to a number of emergencies in the water and wastewater services on Salt Spring Island. This response is often completed during inclement weather with dangerous travel conditions due to closed roads as well as cancelled or challenging ferry crossings. These responses result in long working hours during which worker fatigue is a concern. The lack of fixed back-up power generation equipment results in another element of emergency to which the staff have to respond resulting in additional travel risk and fatigue.
- The use of portable or trailered generators would increase this Health and Safety Risk as this would require staff to tow equipment to sites through difficult conditions and continue to expose them to fatigue when there are a number of other issues to resolve.

Service and Fire Risk:

- During an extended power outage, if the water in the storage tank drains through normal usage or due to a main break/leak, there will be no water to users shortly after the power

loss. This will also expose the service to risk in terms of no water in the distribution system for fire-fighting purposes.

Public Health and Safety Risk:

- In the event that the water distribution system and storage tanks depressurize, the service is typically placed under a Boil Water Advisory when water service is restored. This is as a result of the risk of foreign and contaminated materials entering the system through groundwater infiltration. This water quality risk exposes the public to a health concern as well as staff to further emergency response in terms of communicating the Advisory and then completing the water service recovery plan which involves extensive water main flushing and water quality sampling.

Financial Risk:

- The lack of back-up power results in extensive staff involvement as outlined above. This operational response labour is a cost funded by the service and often results in unforeseen operational budget overruns.

For the reasons outlined above, it is staff’s recommendation that the Cedars of Tuam Water Local Service Commission approve these Fixed Back-up Power Generation Projects as presented in the 5 year capital plan.

User Charge

The service is primarily funded by fixed user charges and variable water consumption charge. Properties connected to the water system pay the annual user charge. The tiered water consumption rates remain unchanged from 2021. The water consumption revenue is projected to be the same as 2021 in alignment with historical actual water sales of previous years.

Table 2 below summarizes the 2022 over 2021 changes for user charge.

Table 2 – User Charge Summary

<i>Budget Year</i>	<i>User Charge</i>	<i>SFE Numbers</i>	<i>User Charge per SFE</i>
2021	\$32,300	17	\$1,900.00
2022	\$33,000	17	\$1,941.18
Change (\$)	\$700	0	\$41.18
Change (%)	2.17%	0.00%	2.17%

RECOMMENDATION

That the Cedars of Tuam Water Service Commission:

1. Approve the 2022 operating and capital budget as presented, and that the 2021 actual surplus or deficit be balanced on the 2021 transfer to the Capital Reserve Fund, and
2. Recommend that the Electoral Area Services Committee recommend that the CRD Board approve the 2022 Operating and Capital Budget and the five-year Financial Plan for the Cedars of Tuam Water Service as presented.

Submitted by	Karla Campbell, 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	Robert Lapham, MCIP, RPP, Chief Administrative Officer

KC/MMc/RL/:sb

Attachment: 2022 Budget Cedars of Tuam Service Budget

CAPITAL REGIONAL DISTRICT

2022 Budget

Cedars of Tuam Water (SSI)

Commission Review

OCTOBER 2021

Service: 2.622 Cedars of Tuam Water (SSI)

Committee: Electoral Area

DEFINITION:

To provide and operate water supply and distribution facilities for the Salt Spring Island Cedars of Tuam Water System Service Area. Bylaw No. 3021 (October 9, 2002).

PARTICIPATION:

Local Service Area #45, T(764).

MAXIMUM LEVY:

Greater of \$25,425 or \$6.75 / \$1,000 of actual assessed value of land and improvements. To a maximum of \$81,899.

MAXIMUM CAPITAL DEBT:

AUTHORIZED:	LA Bylaw No. 3024 (October 10, 2002)	24,000
BORROWED:	SI Bylaw No. 3050 (March 12, 2003)	5.5%
		(24,000) (Rate reduced to 2.1% June 2013)

REMAINING: _____
_____ \$0

COMMITTEE:

Cedars of Tuam Water Service Committee established by bylaw No 3055 (March 12, 2003).

FUNDING:

- User Charge**
 - Annual Fixed Fee per per single family dwelling unit or equivalent plus consumption charge
 - 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:
 - First 38 cubic metres or portion - \$3.50 / cubic metre
 - Greater than 38 cubic metres - \$9.00 / cubic metre
- Water Connection Charge**
 - Actual cost for the connection.

RESERVE FUND:

Fund 1057, established by Bylaw #3136 (June 14, 2004); amended by Bylaw 3948 (April 16, 2014).

2.622 - Cedars of Tuam Water (SSI)		BUDGET REQUEST				FUTURE PROJECTIONS				
OPERATING COSTS	2021	2022			2023 - 2026					
	BOARD BUDGET	CORE BUDGET	ONGOING	ONE-TIME	TOTAL	2023	2024	2025	2026	
Repairs & Maintenance	13,060	560	-	1,500	2,060	560	560	560	10,560	
Allocations	3,314	3,209	-	-	3,209	3,330	3,331	3,468	3,457	
Water Testing	2,060	2,100	-	-	2,100	2,140	2,180	2,220	2,260	
Electricity	640	650	-	-	650	660	670	680	690	
Supplies	720	730	-	-	730	740	750	760	770	
Labour Charges	20,369	20,774	-	-	20,774	21,202	21,625	22,063	22,495	
Other Operating Expenses	1,400	1,440	-	-	1,440	1,460	1,480	1,500	1,520	
TOTAL OPERATING COSTS	41,563	29,463	-	1,500	30,963	30,092	30,596	31,251	41,752	
						-2.8%	1.7%	2.1%	33.6%	
*Percentage Increase over prior year										
DEBT / RESERVES										
Transfer to Capital Reserve Fund	5,000	5,100	-	-	5,100	6,000	5,000	3,000	3,000	
Transfer to Operating Reserve Fund	2,800	3,000	-	-	3,000	3,100	3,160	3,220	3,280	
MFA Debt Reserve Fund	-	-	-	-	-	820	4,500	-	-	
MFA Debt Principal	-	-	-	-	-	-	2,479	16,086	16,086	
MFA Debt Interest	-	-	-	-	-	677	6,419	17,556	17,556	
TOTAL DEBT / RESERVES	7,800	8,100	-	-	8,100	10,597	21,558	39,862	39,922	
TOTAL COSTS	49,363	37,563	-	1,500	39,063	40,689	52,154	71,113	81,674	
FUNDING SOURCES (REVENUE)										
Transfer from Operating Reserve Fund	(12,500)	-	-	(1,500)	(1,500)	-	-	-	(10,000)	
Sales - Water	(4,513)	(4,513)	-	-	(4,513)	(4,513)	(4,513)	(4,513)	(4,513)	
User Charges	(32,300)	(33,000)	-	-	(33,000)	(36,126)	(47,591)	(66,550)	(67,111)	
Other Revenue	(50)	(50)	-	-	(50)	(50)	(50)	(50)	(50)	
TOTAL REVENUE	(49,363)	(37,563)	-	(1,500)	(39,063)	(40,689)	(52,154)	(71,113)	(81,674)	
REQUISITION - PARCEL TAX	-	-	-	-	-	-	-	-	-	
*Percentage increase over prior year										
Sales						0.0%	0.0%	0.0%	0.0%	
User Charge						9.5%	31.7%	39.8%	0.8%	
Other						0.0%	0.0%	0.0%	0.0%	
Combined						9.5%	31.7%	39.8%	0.8%	

Cedars of Tuam Water (SSI)
 Reserve Summary Schedule
 2022 - 2026 Financial Plan

Reserve/Fund Summary

	Estimated		Budget			
	2021	2022	2023	2024	2025	2026
Operating Reserve Fund	2,258	3,758	6,858	10,018	13,238	6,518
Capital Reserve Fund	18,697	13,797	19,797	24,797	27,797	30,797
Total	20,955	17,555	26,655	34,815	41,035	37,315

Reserve Schedule

Reserve Fund: 2.622 Cedars of Tuam Water (SSI) - Operating Reserve Fund

Reserve fund used for: unforeseen operational repairs and maintenance; infrequent maintenance activities such as reservoir cleaning and inspection, hydrant teardowns and ground water well maintenance. Optimum minimum balance of \$2,500 (approximately 10%) of the annual operating budget.

Reserve Cash Flow

Fund: Fund Centre:	1500 105532	Estimated	Budget				
		2021	2022	2023	2024	2025	2026
Beginning Balance		11,838	2,258	3,758	6,858	10,018	13,238
Transfer from Op Budget		2,800	3,000	3,100	3,160	3,220	3,280
Expenditures		(12,500)	(1,500)	-	-	-	(10,000)
Planned Maintenance Activity		Reservoir cleaning and inspection/ Well inspection	Hydrant/Standpipe Maintenance/ System Flush				Reservoir cleaning and inspection
Interest Income*		120					
Ending Balance \$		2,258	3,758	6,858	10,018	13,238	6,518

Assumptions/Background:

* 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.

Reserve Schedule

Reserve Fund: 2.622 Cedars of Tuam Water (SSI) - Capital Reserve Fund - Bylaw 3948

Monies in the reserve fund will be used to provide for capital works, including the planning, study, design, onstruction of water facilities, conveyance, treatment, storage, distribution of water, land purchases, machinery or equipment necessary for the extension or renewal of existing capital works and related debt servicing payments.

Reserve Cash Flow

Fund: Fund Centre:	1057 101843	Estimated	Budget				
		2021	2022	2023	2024	2025	2026
Beginning Balance		16,367	18,697	13,797	19,797	24,797	27,797
Transfer from Ops Budget		8,176	5,100	6,000	5,000	3,000	3,000
Transfer from Cap Fund		-	-	-	-	-	-
Transfer to Cap Fund		(6,000)	(10,000)	-	-	-	-
Interest Income*		154					
Ending Balance \$		18,697	13,797	19,797	24,797	27,797	30,797

Assumptions/Background:

Transfer as much as operating budget will allow.

* 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.

CAPITAL REGIONAL DISTRICT

FIVE YEAR CAPITAL EXPENDITURE PLAN SUMMARY - 2022 to 2026

Service No.	2.622	Carry Forward from 2021	2022	2023	2024	2025	2026	TOTAL
Cedars of Tuam Water (SSI)								
EXPENDITURE								
Buildings		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Equipment		\$0	\$5,000	\$15,000	\$650,000	\$0	\$0	\$670,000
Land		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Engineered Structures		\$0	\$5,000	\$77,000	\$0	\$0	\$0	\$82,000
Vehicles		\$0	\$0	\$0	\$0	\$0	\$0	\$0
		\$0	\$10,000	\$92,000	\$650,000	\$0	\$0	\$752,000
SOURCE OF FUNDS								
Capital Funds on Hand		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Debtenture Debt (New Debt Only)		\$0	\$0	\$82,000	\$450,000	\$0	\$0	\$532,000
Equipment Replacement Fund		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grants (Federal, Provincial)		\$0	\$0	\$10,000	\$200,000	\$0	\$0	\$210,000
Donations / Third Party Funding		\$0	\$0	\$0	\$0	\$0	\$0	\$0
Reserve Fund		\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000
		\$0	\$10,000	\$92,000	\$650,000	\$0	\$0	\$752,000

CAPITAL REGIONAL DISTRICT
5 YEAR CAPITAL PLAN
2022 - 2026

<p>Project Number Project number format is "YY-##" "YY" is the last two digits of the year the project is planned to start "##" is a numerical value. For example 22-01 is a project planned to start in 2022</p>	<p>Capital Project Description Briefly describe the 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".</p>	<p>Capital Project Input the carryforward amount from the 2021 capital plan that is remaining to be spent. Forecast this spending in 2022 to 2026.</p>	<p>Project Drivers Maintain Level of Service - Project maintains existing or improved level of service. Advance Board or Corporate Priority - Project is a Board or Corporate priority. Emergency - Project is required for health or safety reasons. Cost Benefit - Economic benefit to the organization.</p>
<p>For projects in previous capital plans, use the same project numbers previously assigned.</p>	<p>Total Project Budget Provide the total project budget, even if it extends beyond the 5 years of this capital plan.</p>	<p>Long-term Planning Master Plan / Servicing Plan - Plan that identifies new assets required to meet future needs. Asset Management Plan / Sustainable Service Delivery Plan - Integrated plan that identifies asset replacements based on level of service, critically, condition, risk, replacement costs as well as external impacts. Replacement Plan - Plan that identifies asset replacements based primarily on asset age or asset material/type. Condition Assessment - Assessment that identifies asset replacements based on asset condition.</p>	
<p>Capital Expenditure 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.</p>	<p>Asset Class L - Land S - Engineering Structure B - Buildings V - Vehicles</p>	<p>Cost Estimate Class Class A (±10-15%) = Estimate based on final drawings and specifications; used to evaluate tenders. Class B (±15-25%) = Estimate based on investigations, studies or preliminary design; used for budget planning. Class C (±25-40%) = Estimate based on limited site information; used for program planning. Class D (±50%) = Estimate based on little/no site information; used for long-term planning.</p>	
<p>Capital Project Title Input title of project. For example "Asset Name - Roof Replacement", "Main Water Pipe Replacement".</p>	<p>Funding Source Codes Debt = Debt (new debt only) EIR = Equipment Replacement fund Grant = Grants (Federal, Provincial) Gsp = Capital funds on Hand Other = Donations / Third Party funding Res = Reserve fund Stuan = Short term loans WU = Water Utility If there is more than one funding source, use additional rows for the project.</p>		

Service #: 2.622
Service Name: Cedars of Tuan Water (SSI)

Project List and Budget		Capital Project Description		Total Project Budget	Asset Class	Funding Source	Carryforward from 2021	2022	2023	2024	2025	2026	5 - Year Total
18-01	Decommission Abandon unused walls	Decommission walls	Inform and engage public within service area on upcoming works that will require borrowing to fund and electrical participating area permit for borrowing (sec-08 USA)	\$5,000	S	Res	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
21-01	Renewal Public Engagement for Future Projects	Public Engagement for Future Projects	participating area permit for borrowing (sec-08 USA)	\$27,000	E	Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$27,000
21-02	Study New-wall detailed designs	New-wall detailed designs	detailed designs, risk application, construction documents	\$650,000	E	Debt	\$0	\$0	\$0	\$0	\$0	\$0	\$650,000
21-04	New Construct new wall and GIS system	Construct new wall and GIS system	Construction of new infrastructure for future needs	\$5,000	E	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
22-01	Study Power generation equipment	Power generation equipment	Back up power detailed designs	\$10,000	E	Grant	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
22-02	New Back up power generation equipment	Back up power generation equipment	Back up power construction										\$10,000
GRAND TOTAL				\$752,000			\$0	\$10,000	\$92,000	\$650,000	\$0	\$0	\$752,000

Service:

2.622

Cedars of Tuam Water (SSI)

Project Number 18-01	Capital Project Title Abandon unused wells	Capital Project Description Decommission wells
Project Rationale Abandon unused wells to prevent groundwater contamination.		

21-01	Public Engagement for Future Projects	
Project Number	Capital Project Title	Capital Project Description Inform and engage public within service area on upcoming works that will require borrowing to fund and electoral participating area petition for borrowing (sec 408 I GA)
Project Rationale Public engagement for projects to fund and electoral participating area petition for borrowing (section 408 LGA)		

Project Number 21-03	Capital Project Title New well detailed designs	Capital Project Description Detailed designs, IHA application, construction documents
Project Rationale Detailed design for new well		

Project Number 21-04	Capital Project Title Construct new well and dist system	Capital Project Description Construction of new infrastructure for future needs
Project Rationale Construction of new well.		

Project Number 21-05	Capital Project Title #N/A	Capital Project Description #N/A
Project Rationale Replace chlorinator and chlorine analyzer, install well level transducer and replace raw water flow meter		

Project Number 22-01	Capital Project Title Power generation equipment	Capital Project Description Back up power detailed designs
Project Rationale Design of back up power. Project contingent on the the new well project not proceeding		

Project Number 22-02	Capital Project Title Power generation equipment	Capital Project Description Back up power construction
Project Rationale Construct back up power		

Project Number 22-03	Capital Project Title #N/A	Capital Project Description #N/A
Project Rationale Need to investigate current issues and install a suitable sand separator.		

2.622 - Cedars of Tuam Water (SSI)

Capital Projects

Updated @ Sep 7th, 2021

Year	Project#	Status	Capital Project Description	Total Project Budget	Expenditure Actuals	Remaining Funds
2019	CE.699.4502	Open	Safe Work Procedures	3,000	660	2,340
			Totals	3,000	660	2,340

Service: **2.622 Cedars of Tuam Water (SSI)**

Committee: **Electoral Area Services**

<u>Year</u>	<u>SFE's</u>	<u>User Charge*</u>	<u>Bylaw</u>	<u>Actual Assessments \$(000's)</u>
2011	16	\$1,603.87	3777	8,855.30
2012	16	\$1,603.87	3822	8,731.60
2013	16	\$1,373.62	3891	8,248.70
2014	16	\$1,373.62	3925	8,198.50
2015	16	\$1,470.63	3993	8,199.00
2016	16	\$1,544.38	4073	7,716.70
2017	16	\$1,623.76	4171	8,070.00
2018	17	\$1,741.18	4236	9,419.00
2019	17	\$1,841.76	4311	10,129.00
2020	17	\$1,950.76	4339	10,690.70
2021	17	\$1,900.00	4395	12,133.20
2022	17	\$1,941.18		

Change from 2021 to 2022

\$41.18
2.17%

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

Cedar of Tuam Water (SSI)
Funding Analysis 2018 - 2022

