Capital Regional District

625 Fisgard St.,
Victoria, BC V8W 1R7

Notice of Meeting and Meeting Agenda
Cedars of Tuam Water Service Commission

Thursday, June 4, 2026 | **10:00 AM** | **SIMS Boardroom, 124 Rainbow Road, Salt Spring Island BC**

Annual General Meeting

MS Teams Meeting Link

G. Holman, J. Edwards, J. Wu

The Capital Regional District strives to be a place where inclusion is paramount and all people are treated with dignity. We pledge to make our meetings a place where all feel welcome and respected.

Purpose of the Annual General Meeting

The agenda for the Annual General Meeting (AGM) is approved by the members of the Commission. The purposes (and hence the agenda items) of the meeting are:

• To have the last year's AGM minutes approved (by Commission members), and to present reports on the work of the Commission on the past year's operation, maintenance, capital upgrades and financial information of the service to the service residents and owners,
• To nominate members for appointment to the Commission, and
• To enable the public to share comments on subjects which relate to the work of the Commission. The Commission can identify (under "new business") issues on which it wants feedback at the meeting. Motions raised by the public at the AGM will be considered by the commission at a subsequent regular meeting.

The Annual General Meeting is for the 2025 fiscal year.

1. Territorial Acknowledgment

2. Election of Chair

3. Approval of Agenda

4. Adoption of Minutes

4.1. 26-0479 Minutes of June 3, 2025 Cedars of Tuam Water Commission

Recommendation: That the minutes of the June 3, 2025 meetings be adopted as circulated.

Attachments: Minutes: June 3, 2026

5. Director and Chair's Report

6. Senior Manager's Report

7. Report

7.1. 26-0480 Cedars of Tuam Water Service Annual Report 2025

Recommendation: There is no recommendation. This report is for information only.

Attachments: Cedars of Tuam Annual Report 2025

Appendix A: Cedars of Tuam 2025 Capital Projects List – Financial Summary

Appendix B: Cedars of Tuam 2025 Statement of Operations and Reserve Balan

8. Election of Commissioners

2 positions

9. New Business

None

10. Outstanding Business

10.1. 26-0676 Cedars of Tuam - User Rate Structure

Recommendation: There is no recommendation. This report is for information only.

Attachments: Staff Report: Cedars of Tuam - User Rate Structure

Appendix A: Cedars of Tuam Water Annual Consumption and Water Rates

11. Adjournment

Next Meeting:

-Budget meeting TBA

Meeting Minutes - Draft

Cedars of Tuam Water Service Commission

Tuesday, June 3, 2025 **10:00 AM** **SIMS Boardroom**
124 Rainbow Road
Salt Spring Island BC

Annual General Meeting

Present:

Commission Members: J. Edwards, J. Wu, G. Holman,

Staff: D. Ovington, Senior Manager, SSI Administration, C. Hopp, Manager SSI Engineering, SSI Administration, D. Robson, Manager Saanich Peninsula Gulf Island Ops (EP), L. Xu, Manager, Local Services, Finance Services (EP), K. Vincent, Senior Financial Advisor, Finance Services (EP), A. Elliyon Financial Analyst, Finance Services (EP), and M. Williamson, Committee Clerk, (Recorder)

Electronic Participation- (EP)

These minutes follow the order of the agenda although the sequence may have varied.

The meeting was called to order at 10:01 am.

1. Territorial Acknowledgment

D. Ovington provided a Territorial Acknowledgement.

2. Election of Chair

The Senior Manager, SSI Administration called for nominations for the position of Chair of the Cedars of Tuam Water Services Commission for 2025.

Commissioner Wu nominated Commissioner Edwards, Commissioner Edwards accepted the nomination.

D. Ovington called for nominations a second time.

D. Ovington called for nominations a third time.

Hearing no further nominations, the Senior Manager, SSI Administration declared Commissioner Edwards Chair of the Cedars of Tuam Water Services by acclamation.

3. Approval of Agenda

MOVED By Director Holman, SECONDED by Commissioner Wu,
That agenda for the June 03, 2025, Annual General Meeting of the Cedars of Tuam Water Services Commission be approved as amended with the addition of agenda item 8.1. Capital Plan 2025-2029 Update.
CARRIED

4. Adoption of Minutes

4.1. Minutes of October 21, 2024 Cedars of Tuam Water Commission

MOVED By Director Holman, SECONDED by Commissioner Wu,
That the minutes of the October 21, 2024 meetings be adopted as circulated.
CARRIED

5. Director and Chair's Report

Director Holman spoke regarding Carolyn Hopp being appointed as the SSI Engineer Manager.

Commissioner Edwards spoke regarding concerns of costing from the Cedars of Tuam neighbourhood.

6. Report

6.1. Cedars of Tuam Water Service Annual Report 2024

D. Ovington presented the report.

This report was received for information.

- New flow meter installed allowing for water production reading
- Monthly Water Production table to be added for future annual reports with new data

7. Election of Commissioner

Request for volunteers was advertised as per the requirements and staff confirmed no new nominations were received.

Commissioner Edwards and Commissioner Wu, confirmed their intent to serve on the commission for the January 1, 2026 to December 31, 2027 term. Their names will be submitted to the Board for appointment by acclamation.

8. New Business

8.1. Capital Plan 2025-2029 Update

Discussion ensued regarding the Cedars of Tuam Water Service 2025-2029 Capital Plan.

MOVED By Commissioner Wu, SECONDED by Director Holman
That the Cedars of Tuam direct staff to amend the 2.622 Cedars of Tuam Water Service 2025-2029 Five Year Capital Plan to defer Projects 25-01 from 2025 until a future year.
CARRIED

9. Outstanding Business

There was no outstanding business.

10. Adjournment

MOVED By Commissioner Wu, SECONDED by Director Holman,
That the Cedars of Tuam Water Service Commission adjourn the meeting at 11:22am.
CARRIED

_____

CHAIR

_____

SENIOR MANAGER

Cedars of Tuam Water Service

2025 Annual Report

CRD | Drinking Water

INTRODUCTION

This report provides a summary of the Cedars of Tuam Water Service for 2025. It includes a description of the service, summary of the water supply, demand, and production, drinking water quality, operations highlights, capital project updates and financial report.

SERVICE DESCRIPTION

The Cedars of Tuam Water Utility is a rural residential community located on Salt Spring Island. The service was created in 1970 and became a CRD service in 2002. The Cedars of Tuam Water Utility (Figure 1) is comprised of 16 parcels of land with 17 single-family equivalent connections.

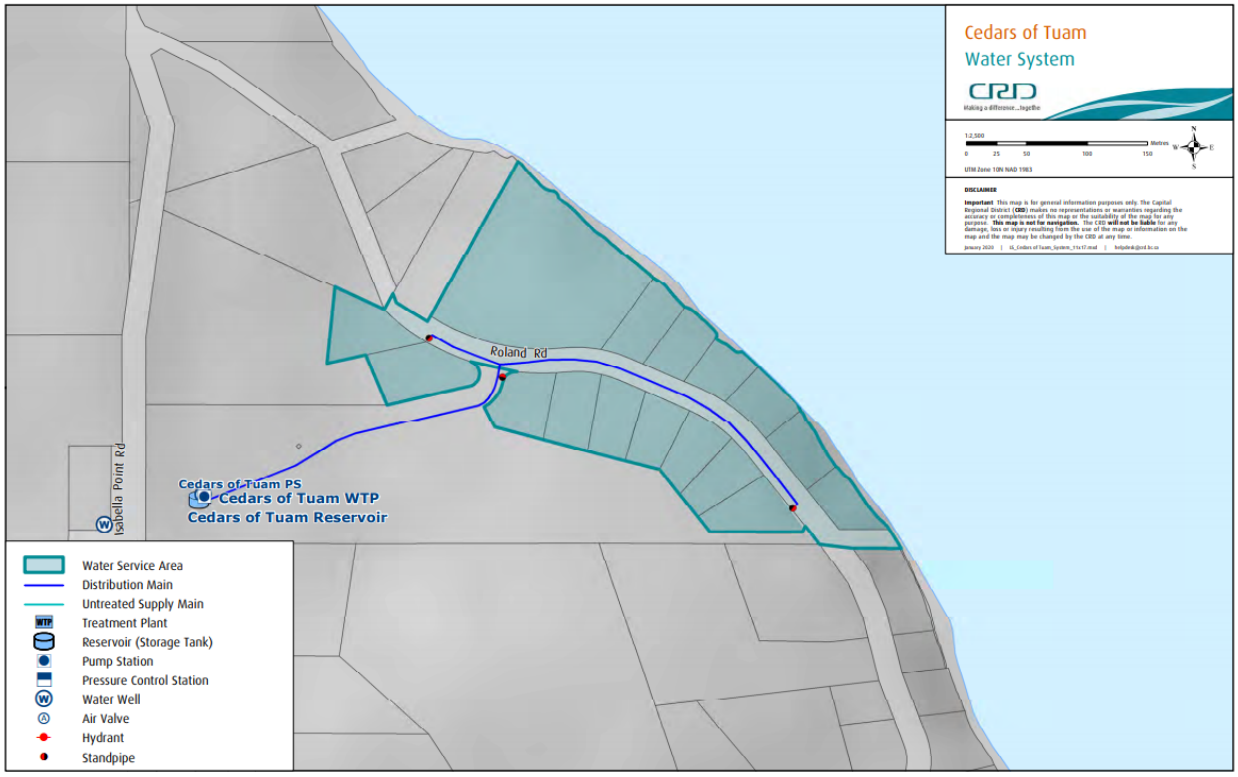


Figure 1: Cedars of Tuam Water Service

The Cedars of Tuam water system is primarily comprised of:

- One ground water source well
- a water treatment plant (WTP) that has a vortex sand separator and provides disinfection using sodium hypochlorite;
- 1 water reservoir – 46 m^3 (10,000 lg);
- 650 meters of water distribution pipe;
- standpipes and gate valves;
- water service connections complete with water meters**.**

WATER PRODUCTION AND DEMAND

Referring to Figure 2, the amount of water extracted (water production) from the groundwater well prior to 2024 is unknown. This is the result of inaccurate water meter readings due to sand intrusion of the groundwater source. Sand from the well was creating a false read. As of late 2023, a new water meter was installed that is not influenced by the sand. The water production from the well in 2025 was 2,201 m3. The 2025 drought was especially challenging for the well and needed to be supplemented in October and November. 176 m3 of water was trucked in to sustain the demand within the system. That volume is not reflected in Figure 2 production volume as it came from an outside source.

Water demand (customer water billing) for the service totaled 1,035 cubic meters (m^3) of water; 11% decrease from the previous year and a 23% decrease from the 5-year rolling average.

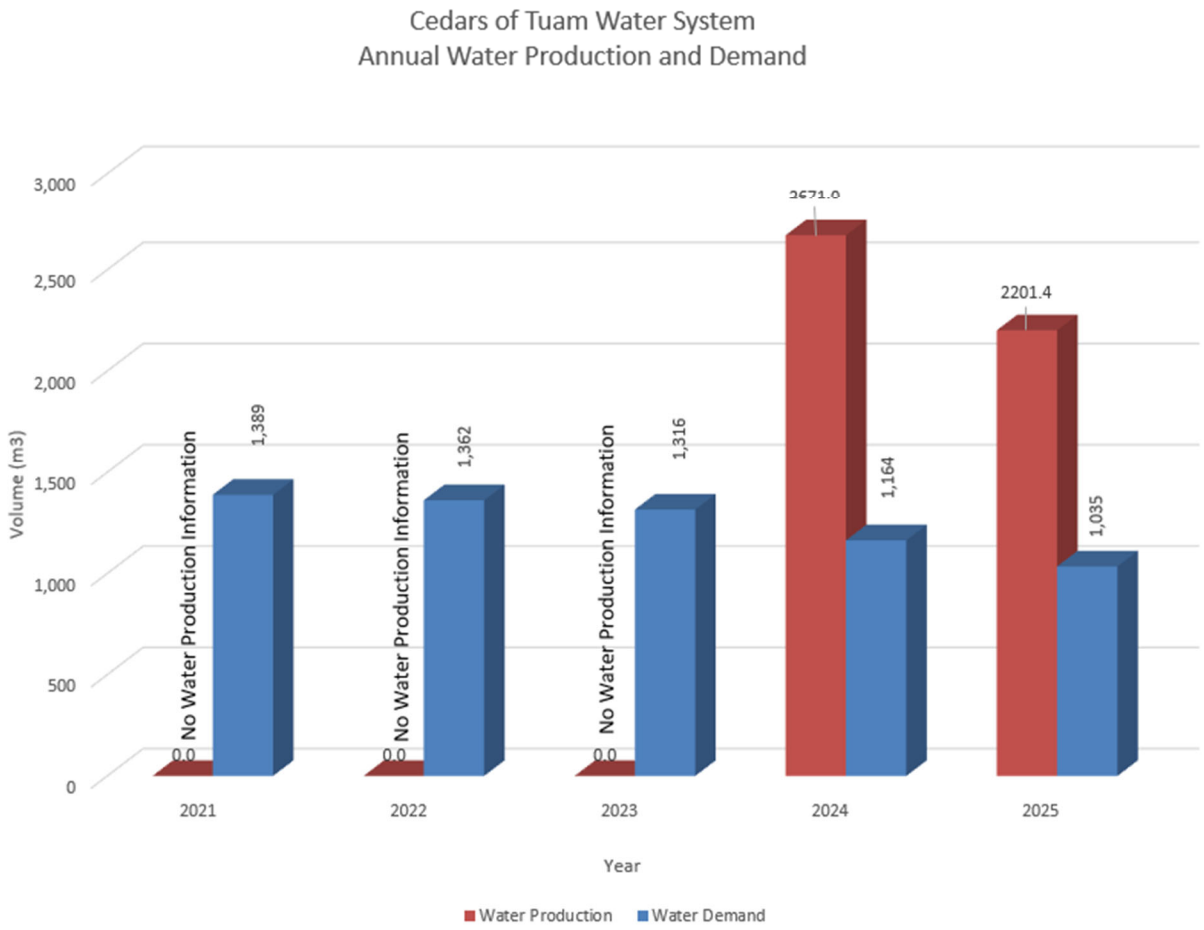


Figure 2: Cedars of Tuam Water Service Annual Water Production and Demand

The Cedars of Tuam Water System is fully metered, and water meters are read quarterly. Water meter information enables water production and consumption to be compared to estimated leakage losses in the distribution system. The difference between water produced and water demand (total metered consumption) is called non-revenue water and includes distribution leaks, residential meter error, and unmetered uses such as standpipe flushing, distribution system maintenance and process water for monitoring chlorine residual. Non-revenue water for 2025 was 1,166 m3 which represents 53% of the total water produced. The majority of the non-revenue water is attributed to residential meter error and weekly operational flushing from a stand-pipe as well as several leaks that were repaired during the reporting year. The CRD will continue to monitor the non-revenue water by comparing quarterly meter reads to water production over periods of time.

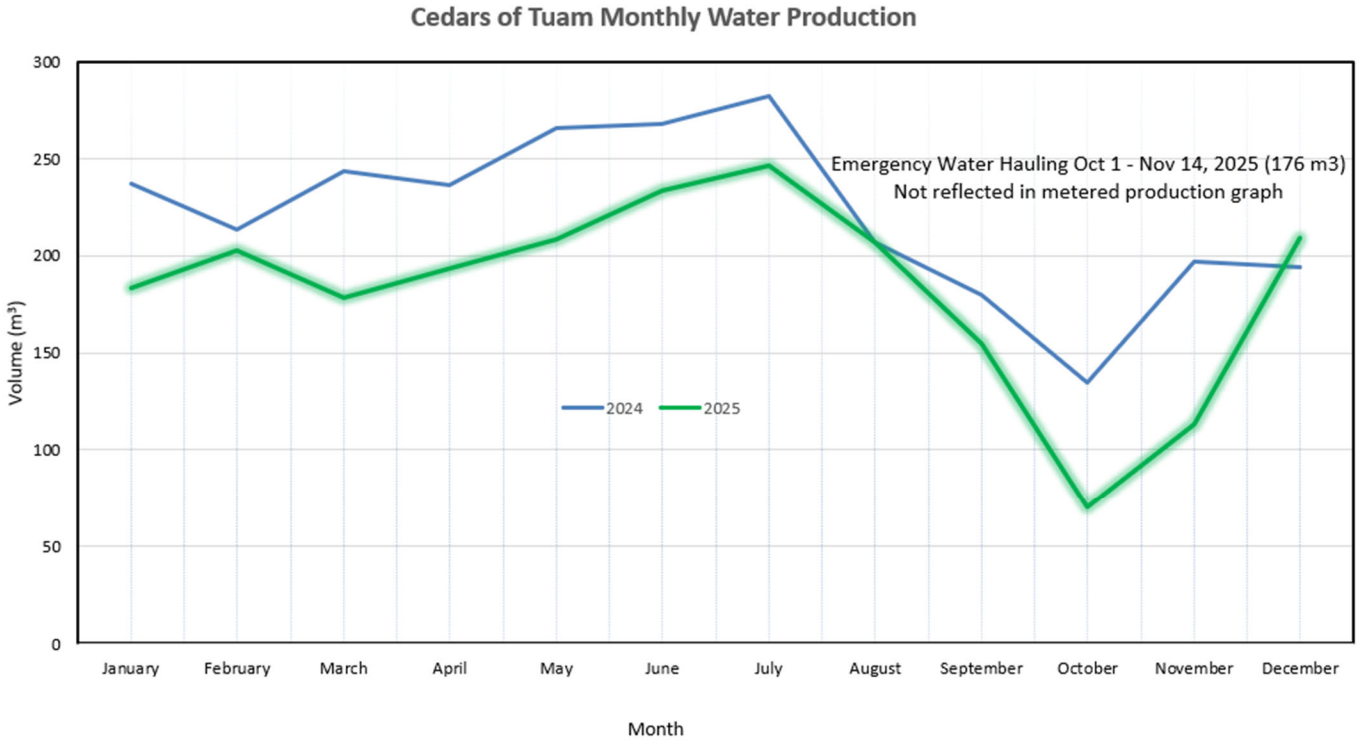


Figure 3: Cedars of Tuam Water Service Monthly Water Production

The monthly water production at Cedars of Tuam is represented in Figure 3. This graph demonstrates the struggle with the existing well to produce water during drought periods starting in August and extending into November each year. Water is hauled by truck to sustain the supply in the system as needed. There is slight increase in demand during the summer months as to be expected.

WATER QUALITY

The analytical results (biological, chemical and physical parameters) of water samples collected in 2025 from the Cedars of Tuam Water System indicated that the drinking water was of good quality and within Guidelines for Canadian Drinking Water Quality (GCDWQ) limits, including disinfection by-products. The treated water temperature exceeded the aesthetic objective from July through September. No indicator bacteria were found in the raw or treated water in 2025.

Typical Cedars of Tuam Water System drinking water quality characteristics for 2025 are summarized as follows:

- Source water from the well was free of *E.coli* and total coliform bacteria throughout the year.
- The raw water turbidity was consistently well below 1 NTU.
- Iron and Manganese concentrations were low throughout the year. For iron, this is a bit unusual in comparison to previous years where exceedances were frequently detected.
- Treated water was bacteriologically safe to drink all year in 2025, no indicator bacteria were found in any sample.
- The treated water turbidity leaving the treatment plant was consistently below 1 NTU during the year.
- Disinfection by-product concentrations were well below the GCDWQ limits. Total organic carbon concentrations were very low throughout 2025.
- The median annual free chlorine concentration in the system was an acceptable 0.67 mg/L.

Table 1 and 2 below provide a summary of the 2025 raw and treated water test results.

Water Quality data collected from this drinking water system can be reviewed on the CRD website: https://www.crd.bc.ca/about/data/drinking-water-quality-reports/

OPERATIONAL HIGHLIGHTS

The following is a summary of the major operational issues that were addressed during the 2024 reporting period:

- 211 Roland Rd service leak at meter
- 206 Roland Rd service line repair
- 226 Roland Road called out to isolate private side leak
- Replacement of leaking reservoir outlet valve

CAPITAL IMPROVEMENTS

The following are capital projects in progress or completed in 2025:

19-03 Safe Work Procedures
The safe work procedures have been developed as needed. This project has been closed.

21-05 Water Systems Upgrade
The scope includes replacing a chlorinator, level transducer and flow meter.

24-03 Public Engagement for Future Projects
This is a project to support informing and engaging the ratepayers on possible future projects requiring debt funding including petition or other approval process.

25-02 Sand Separator & Chlorine Analyzer
This project consists of installation of a sand separator and a chlorine analyzer to improve function of the well and treatment process.

25-01 Well Testing
This project is for the testing of the new well (WIN19325).

23-01 Electrical System Upgrade
The project is for the installation of the new electrical service mast, panel components for safety and code compliance.

The Capital Projects Financial Summary for 2025 can be found in Appendix A.

Upcoming Projects in 2026 include:

- 26-03 Investigation/decommissioning of unused wells
- 26-04 Health and Safety Improvements including eyewash/shower
- 26-05 Installation of new residential water meters

2025 FINANCIAL REPORT

Please refer to the attached 2025 Statement of Operations and Reserve Balances.

Revenue includes parcel taxes (Transfers from Government), fixed user fees (User Charges), water sales (Sale-Water), interest on savings (Interest earnings), transfers from the Operating Reserve Fund, and miscellaneous revenue such as late payment charges (Other revenue).

Expenses include all costs of providing the service. General Government Services includes budget preparation, financial management, utility billing and risk management services. CRD Labour and Operating Costs include CRD staff time as well as the costs 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 it is then added to any surplus or deficit carry forward from the prior year, yielding an Accumulated Surplus (or deficit). In alignment with Local Government Act Section 374 (11), any deficit must be carried forward and included in next year's financial plan.

WATER SYSTEM PROBLEMS - WHO TO CALL:

To report any event or to leave a message regarding the Cedars of Tuam Water System, call either:

CRD water system emergency call centre:	**1-855-822-4426 (toll free)** **1-250-474-9630 (toll)**
CRD water system general enquiries (toll free):	**1-800-663-4425**

When phoning with respect to an emergency, please specify to the operator, the service area in which the emergency has occurred.

Submitted by:	Dan Ovington, BBA , Senior Manager, Salt Spring Island Electoral Area
Concurrence:	Jason Dales, B.Sc, WD IV, Senior Manager, Infrastructure Operations
Concurrence:	Glenn Harris, Ph.D., R.P.Bio., Senior Manager, Environmental Protection
Concurrence:	Varinia Somosan, CPA, CGA, Sr. Mgr., Financial Services / Deputy CFO
Concurrence:	Stephen Henderson, MBA, P.G.Dip.Eng, BSc, General Manager, Electoral Area Services
Concurrence:	Ted Robbins, B. Sc., C. Tech., Chief Administrative Officer

Appendix A: 2025 Capital Projects List – Financial Summary

Appendix B: 2025 Statement of Operations and Reserve Balances

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

Table 1: 2025 Summary of Raw Water Test Results, Cedars of Tuam Water System											
PARAMETER		**2025 ANALYTICAL RESULTS**				**CANADIAN GUIDELINES**	**2015 - 2024 ANALYTICAL RESULTS**			
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Minimum	Range Maximum	≤ = Less than or equal to	Median	Samples Analyzed	Range Minimum	Range Maximum
ND means Not Detected by analytical method used										
Physical Parameters/Biological										
Hardness as $CaCO_3$	mg/L	**68.65**	4	66.2	69	No Guideline Required	63.1	31	54.5	89.8
Turbidity	NTU	**0.25**	12	0.15	0.6	1.0 NTU	0.46	88	< 0.14	28
pH	pH Units	Not tested in 2025				7.0-10.5 AO	6.77	25	2.2	7.4
Carbon, Total Organic	mg/L	**0.59**	2	0.47	0.71	Guideline Archived	0.745	18	0.4	1.3
Water Temperature	Degrees C	**11**	25	9.5	13	≤ 15 AO	11	147	1.47	16
Microbial Parameters										
Indicator Bacteria										
Coliform, Total	CFU/100 mL	**< 1**	12	< 1	< 1	0 MAC	< 1	122	<1	56
E. coli	CFU/100 mL	**< 1**	12	< 1	< 1	0 MAC	< 1	122	<1	1
Hetero. Plate Count, 7 day	CFU/1 mL	Not tested in 2024					200	41	< 10	3630
Parasites										
Cryptosporidium, Total oocysts	oocysts/100 L	Last tested in 2014				Zero detection desirable	Last tested in 2014			
Giardia, Total cysts	cysts/100 L	Last tested in 2014				Zero detection desirable	Last tested in 2014			
Metals										
Aluminum	ug/L as Al	**5.65**	4	< 3	9.5	2900 MAC / 100 OG	7.5	31	< 3	142
Antimony	ug/L as Sb	**< 0.5**	4	< 0.5	< 0.5	6 MAC	< 0.5	31	< 0.5	< 0.5
Arsenic	ug/L as As	**< 0.1**	4	< 0.1	< 0.1	10 MAC	< 0.1	31	< 0.1	0.13
Barium	ug/L as Ba	**4.35**	4	4.2	4.8	1000 MAC	5	31	3.8	11.8
Beryllium	ug/L as Be	**< 0.1**	4	< 0.1	< 0.1		< 0.1	31	< 0.1	< 0.1
Bismuth	ug/L as Bi	**< 1**	4	< 1	< 1		< 1	31	< 1	< 1
Boron	ug/L as B	**157.5**	4	132	209	5000 MAC	65	31	< 50	260
Cadmium	ug/L as Cd	**< 0.01**	4	< 0.01	< 0.01	7 MAC	< 0.01	31	< 0.01	0.012
Calcium	mg/L as Ca	**21**	4	20	21.6	No Guideline Required	19.3	31	15.8	29.9
Chromium	ug/L as Cr	**< 1**	4	< 1	< 1	50 MAC	< 1	31	< 1	1.2
Cobalt	ug/L as Co	**< 0.2**	4	< 0.2	< 0.2		< 0.2	31	< 0.2	< 0.5
Copper	ug/L as Cu	**3.24**	4	2.5	4.09	2000 MAC / ≤ 1000 AO	4	31	1.94	24
Iron	ug/L as Fe	**33**	4	16.7	50	≤ 100 AO	42.75	32	9.9	921
Lead	ug/L as Pb	**< 0.2**	4	< 0.2	< 0.2	5 MAC	< 0.2	31	< 0.2	1.9
Lithium	ug/L as Li	**< 2**	4	< 2	< 2		< 2	21	< 2	< 5
Magnesium	mg/L as Mg	**3.89**	4	3.5	4.15	No Guideline Required	3.65	31	2.96	4.5
Manganese	ug/L as Mn	**2.55**	4	< 1	6.9	120 MAC / ≤ 20 AO	1.4	31	< 1	14
Molybdenum	ug/L as Mo	**< 1**	4	< 1	< 1		< 1	31	< 1	< 1
Nickel	ug/L as Ni	**< 1**	4	< 1	< 1		< 1	31	< 1	4.3
Potassium	mg/L as K	**0.883**	4	0.846	0.927		0.844	31	0.585	0.965
Selenium	ug/L as Se	**< 0.1**	4	< 0.1	< 0.1	50 MAC	< 0.1	31	< 0.1	0.11
Silicon	ug/L as Si	**6990**	4	6870	7690		7050	31	6440	7970
Silver	ug/L as Ag	**< 0.02**	4	< 0.02	< 0.02	No Guideline Required	< 0.02	31	< 0.02	< 0.02
Sodium	mg/L as Na	**17.85**	4	16.8	18.4	≤ 200 AO	17.5	31	14.3	22.8
Strontium	ug/L as Sr	**79.95**	4	72.7	83.1	7000 MAC	77.7	31	63.9	98.4
Sulfur	mg/L as S	**< 3**	4	< 3	< 3		< 3	31	< 3	< 3
Tin	ug/L as Sn	**< 5**	4	< 5	< 5		< 5	31	< 5	< 5
Titanium	ug/L as Ti	**< 5**	4	< 5	< 5		< 5	31	< 5	8.7
Thallium	ug/L as Tl	**< 0.01**	4	< 0.01	< 0.01		< 0.01	31	< 0.01	< 0.05
Uranium	ug/L as U	**< 0.1**	4	< 0.1	< 0.1	20 MAC	< 0.1	31	< 0.1	< 0.1
Vanadium	ug/L as V	**< 5**	4	< 5	< 5		< 5	31	< 5	< 5
Zinc	ug/L as Zn	**6.1** 5	4	<	6.8	≤ 5000 AO	6.9	31	< 5	22.5
Zirconium	ug/L as Zr	**< 0.1**	4	< 0.1	< 0.1		< 0.1	31	< 0.1	< 0.5

Table 2: 2025 Summary of Treated Water Test Results, Cedars of Tuam Water System										
PARAMETER	**2025 ANALYTICAL RESULTS**					**CANADIAN GUIDELINES**	**2015-2024 ANALYTICAL RESULTS**			
Parameter Name	Units of Measure	Annual Median	Samples Analyzed	Range Minimum	Range Maximum	≤ = Less than or equal to	Median	Samples Analyzed	Range Minimum	Range Maximum
ND means Not Detected by analytical method used										
Physical Parameters										
Hardness	mg/L as CaCO3	**80.95**	4	76.3	104		75.55	26	61.5	91.9
pH	pH units	Not tested in 2025				AO pH 7.0 -10.5	7	70	6.5	8.1
Turbidity	NTU	**0.3**	48	0.1	0.85		0.4	313	0.05	17
Total Organic Carbon	mg/L	**0.535**	2	0.27	0.8		0.66	19	0.31	1.12
Water Temperature	deg C	**10.15**	94	3.5	19	≤ 15 AO	11	555	5	20
Microbial Parameters										
Indicator Bacteria										
Coliform, Total	CFU/100 mL	**< 1**	48	< 1	< 1	0 MAC	< 1	347	<1	1
E. coli	CFU/100 mL	**< 1**	48	< 1	< 1	0 MAC	< 1	348	<1	< 1
Hetero. Plate Count, 7 day	CFU/1 mL	Not tested in 2025				No Guideline Required	40	3	10	130
Disinfectants										
Disinfectants										
Chlorine, Free Residual	mg/L as Cl2	**0.67**	110	0.21	1.11		0.45	1133	0	2.4
Chlorine, Total Residual	mg/L as Cl2	**0.89**	4	0.86	1.19		0.53	618	0.17	2.5
Disinfection By-Products										
Disnfection Byproducts										
Bromodichloromethane	ug/L	**6.95**	2	6.2	7.7		6.2	19	0.61	13
Bromoform	ug/L	**1.65**	2	1.2	2.1		1.2	19	< 0.1	2
Chloroform	ug/L	**6.25**	2	5.2	7.3		6.2	19	3.8	18
Chlorodibromomethane	ug/L	**6.5**	2	6.4	6.6		5.4	19	<0.1	8.4
Total Trihalomethanes	ug/L	**21**	2	20	22	100 MAC	20	19	8.73	39
Haloacetic Acids (HAA)										
HAA5	ug/L	Not tested in 2025				80 MAC	< 5	3	3.61	5.9
Metals										
Aluminum	ug/L as Al	**4.55**	4	3.2	7.8	2900 MAC / 100 OG	5.6	26	3.5	276
Antimony	ug/L as Sb	**< 0.5**	4	< 0.5	< 0.5	6 MAC	< 0.5	26	< 0.5	< 0.5
Arsenic	ug/L as As	**< 0.1**	4	< 0.1	0.18	10 MAC	< 0.1	26	< 0.1	0.62
Barium	ug/L as Ba	**11.8**	4	10.6	12.5	1000 MAC	10.6	26	4.5	15.8
Beryllium	ug/L as Be	**< 0.1**	4	< 0.1	< 0.1		< 0.1	26	< 0.1	< 0.1
Bismuth	ug/L as Bi	**< 1**	4	< 1	< 1		< 1	26	< 1	< 1
Boron	ug/L as B	**117.5**	4	98	159	5000 MAC	77.5	26	< 50	165
Cadmium	ug/L as Cd	**< 0.01**	4	< 0.01	< 0.01	7 MAC	< 0.01	26	< 0.01	0.011
Calcium	mg/L as Ca	**26.95**	4	25.5	37.8	No Guideline Required	26.35	26	18.5	35
Chromium	ug/L as Cr	**1.25**	4	< 1	2.3	50 MAC	1.1	26	< 1	3.2
Cobalt	ug/L as Co	**< 0.2**	4	< 0.2	< 0.2		< 0.2	26	< 0.2	0.67
Copper	ug/L as Cu	**7.525**	4	4.61	9.95	2000 MAC / ≤ 1000 AO	7.415	26	1.53	83.1
Iron	ug/L as Fe	**33.7**	4	15.2	37.2	≤ 100 AO	41.25	26	14.2	2440
Lead	ug/L as Pb	**0.21**	4	< 0.2	0.23	5 MAC	0.325	26	< 0.2	5.76
Lithium	ug/L as Li	**< 2**	4	< 2	< 2		< 2	17	< 2	< 2
Magnesium	mg/L as Mg	**3.08**	4	2.3	3.56	No Guideline Required	2.375	26	1.04	4.69
Manganese	ug/L as Mn	**1.1**	4	< 1	2.1	2 120 MAC / ≤ 10 O	<	1 26	<	73
Molybdenum	ug/L as Mo	**< 1**	4	< 1	1.8		< 1	26	< 1	1
Nickel	ug/L as Ni	**< 1**	4	< 1	< 1		< 1	26	< 1	1.8
Potassium	mg/L as K	**0.87**	4	0.764	0.921		0.827	26	0.705	0.952
Selenium	ug/L as Se	**< 0.1**	4	< 0.1	< 0.1	50 MAC	< 0.1	26	< 0.1	< 0.1
Silicon	ug/L as Si	**7785**	4	6760	8700		7495	26	6170	8210
Silver	ug/L as Ag	**< 0.02**	4	< 0.02	< 0.02	No Guideline Required	< 0.02	26	< 0.02	< 0.02
Sodium	mg/L as Na	**17.9**	4	12.9	20.1	≤ 200 AO	18.15	26	15.1	20.7
Strontium	ug/L as Sr	**85.85**	4	82.7	104	7000 MAC	79.5	26	68.5	98
Sulphur	mg/L as S	**< 3**	4	< 3	< 3		< 3	26	< 3	< 3
Thallium	ug/L as Tl	**< 0.01**	4	< 0.01	< 0.01		< 0.01	26	< 0.01	< 0.01
Tin	ug/L as Sn	**< 5**	4	< 5	< 5		< 5	26	< 5	< 5
Titanium	ug/L as Ti	**< 5**	4	< 5	< 5		< 5	26	< 5	16
Uranium	ug/L as U	**< 0.1**	4	< 0.1	0.43	20 MAC	< 0.1	26	< 0.1	0.27
Vanadium	ug/L as V	**< 5**	4	< 5	< 5		< 5	26	< 5	6.4
Zinc	ug/L as Zn	**9.8**	4	7.3	14.8	≤ 5000 AO	10.75	26	< 5	268
Zirconium	ug/L	**< 0.1**	4	< 0.1	< 0.1		< 0.1	26	< 0.1	0.26

2.622 - Cedars of Tuam Water

Capital Projects - Financial Summary

Updated @ 31/12/2025

Year	Project#	Capital Plan#	Status	Capital Project Description	Total Project Budget	Spending		Funding Sources			Total Funding in Place
						Expenditure Actuals	Remaining Spending	CRF	CWF	Grant	
2019	CE.699.4502	19-03	Closed	Safe Work Procedures	3,000	767	2,233	3,000	-	-	3,000
2021	CE.792.1601	21-05	Open	Water Systems Upgrade	36,000	17,163	18,837	6,000	-	30,000	36,000
2022	CE.802.8301	24-03	Open	Public Engagement	5,000	-	5,000	5,000	-	-	5,000
2025	CE.792.4601	25-02	Open	Sand Separator & Chlorine Analyzer	8,000	29	7,972	8,000			8,000
2025	CE.887.4501	25-01	Open	Well Testing for WIN 19325-Study	58,000	-	58,000	8,000	50,000		58,000
2025	CE.887.4601	23-01	Open	Electrical System Upgrade	50,000	9,554	40,446	8,000	42,000		50,000
				Totals	**160,000**	**27,513**	**132,488**	**38,000**	**92,000**	**30,000**	**160,000**

CAPITAL REGIONAL DISTRICT

CEDARS OF TUAM WATER
Statement of Operations (Unaudited)
For the Year Ended December 31, 2025

		2025	2024
Revenue			
User Charges		44,690	39,061
Sale - Water		9,918	9,657
Other revenue from own sources:			
Interest earnings		53	20
Recovery from Claim Reimbursement		12,656	2,800
Other revenue		361	223
Total Revenue		67,678	51,761
Expenses			
General government services		1,799	2,106
Contract for Services		120	181
CRD Labour and Operating costs		34,122	31,813
Other expenses		20,445	9,256
Total Expenses		56,486	43,356
Net revenue (expenses)		11,192	8,405
Transfers to own funds:			
Capital Reserve Fund		7,522	8,405
Operating Reserve Fund		3,670	-
Annual surplus/(deficit)		-	-
Accumulated surplus/(deficit), beginning of year			
Accumulated surplus/(deficit), end of year	$	-	-

CAPITAL REGIONAL DISTRICT

CEDARS OF TUAM WATER
Statement of Reserve Balances (Unaudited)
For the Year Ended December 31, 2025

	Capital Reserve 2025	2024
Beginning Balance	25,370	16,170
Transfer from Operating Budget	7,522	8,405
Transfer from Completed Capital Projects	2,233	-
Transfer to Capital Project	(24,000)	-
Interest Income	171	795
Ending Balance	11,296	25,370

	Operating Reserve 2025	2024
Beginning Balance	2,865	2,722
Transfer from Operating Budget	3,670	-
Transfer to Operating Budget	-	-
Interest Income	142	143
Ending Balance	6,677	2,865

Making a difference...together

REPORT TO CEDARS OF TUAM WATER SERVICES COMMISSION
MEETING OF THURSDAY, JUNE 4, 2026

SUBJECT **Cedars of Tuam – User Rate Structure**

ISSUE SUMMARY

The purpose of this report is to review the implications of adjusting the current user rate structure to reflect higher consumption charges and lower fixed rate charges for the Cedars of Tuam Water Service.

BACKGROUND

The Chair of the Cedars of Tuam Water Service Commission has requested consideration of a revised rate structure that shifts a greater portion of costs from fixed user charges to metered consumption charges. The intent is to improve fairness and transparency in billing by giving customers more control over costs, better aligning charges with actual water use, and reinforcing conservation objectives. To mitigate the potential risk of revenue variability associated with reduced consumption, the Chair proposes reallocating $3,600 in emergency water trucking costs from the fixed charge to the water sales revenue stream. This adjustment would increase consumption rates to $12.50/m³ for the first 38 m³ and $25.00/m³ thereafter, while reducing the annual fixed charge by approximately $211 per single-family equivalent (SFE).

IMPLICATIONS

Financial Implications
The Cedars of Tuam water system continues to experience declining annual consumption, falling from 1,389 m³ in 2021 to 1,035 m³ in 2025, as shown (Appendix A).

This downward trend reduces variable-rate revenue and increases reliance on fixed charges to meet operating costs. At the same time, the number of high-use customers remains very small typically 0–2 users per quarter, limiting the effectiveness of tiered pricing.

Historical rate increases have primarily been applied to the fixed quarterly charge, which rose from $475/SFE in 2021 to $657/SFE in 2025, while consumption rates increased more modestly. To address revenue stability concerns, the appendix evaluates three 2026 rate structures:

- Budgeted 2026 Rates: Highest fixed charge ($878/quarter), lowest variable rates; maintains revenue.
- Proposed Scenario Rates: Moderately reduced fixed charge ($825/quarter) with higher consumption rates ($12.50 and $25.00/m³). Revenue remains relatively stable ($839/quarter for fixed charge) with an estimated 7% consumption drop based on the consumption downward trend for the last five years.
- Half-Half Rates: Significant shift to variable charges (up to $61–$81/m³) with a much lower fixed charge ($507/quarter). This model introduces high volatility and very steep consumption rates.

Service Implications
Other considerations to note:

- 15 of the properties have one SFE connection, while one property has two connections.
- Due to the small size of the service, the behaviour of one household can significantly impact aggregate consumption, making projections less predictable.
- Moving water trucking costs to user charge will likely not generate $3,600 more in revenue with a fee increase.

CONCLUSION

The analysis shows that the Cedars of Tuam water system continues to experience declining annual consumption. Shifting system costs from fixed charges to consumption-based rates increases higher uncertainty on recovering costs required to operate the service. Given the system's small size and unpredictable consumption patterns, any changes to the cost recovery model need to be given careful consideration.

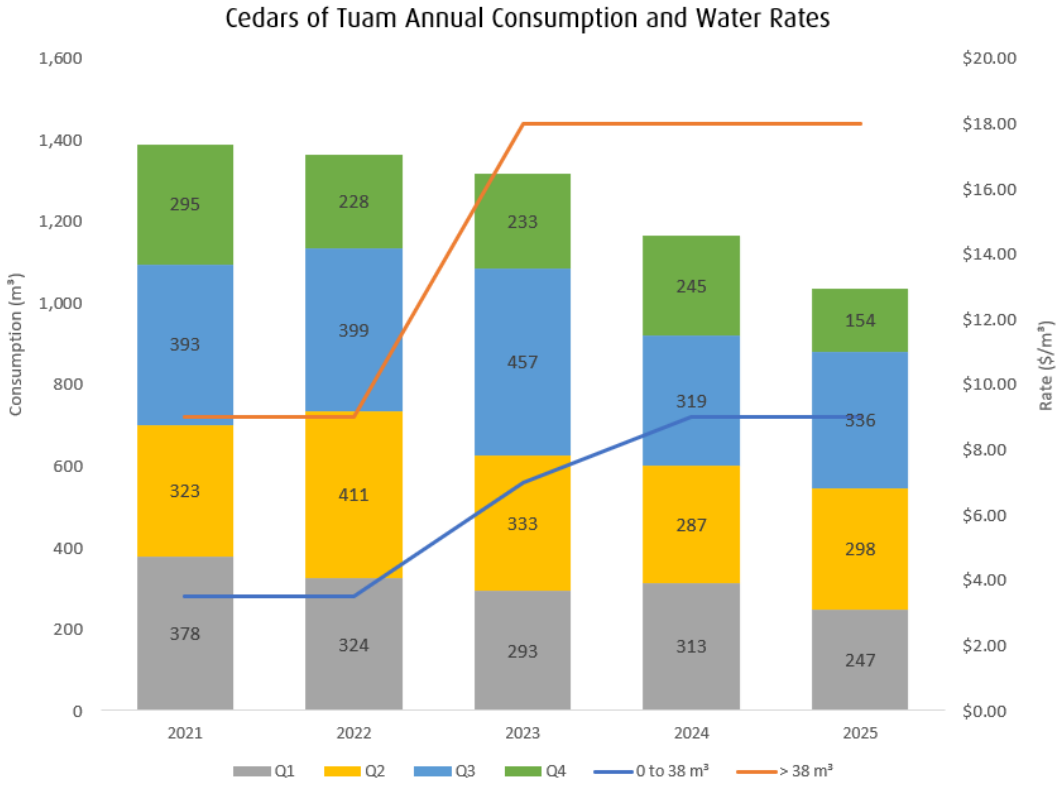
RECOMMENDATION

There is no recommendation. This report is for information only.

Submitted by:	Dan Ovington, BBA, Senior Manager, SSI Administration
Concurrence:	Stephen Henderson, MBA, P.G.Dip.Eng, BSc, General Manager, Electoral Area Services

ATTACHMENT

Appendix A: Cedars of Tuam Water Annual Consumption and Water Rates

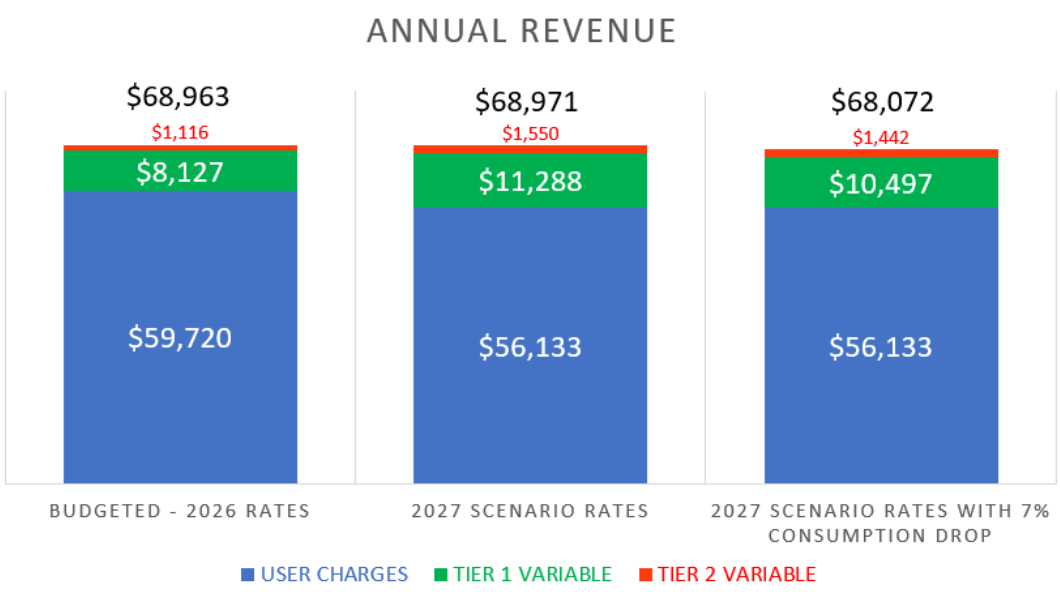


Historical Consumption (m³)

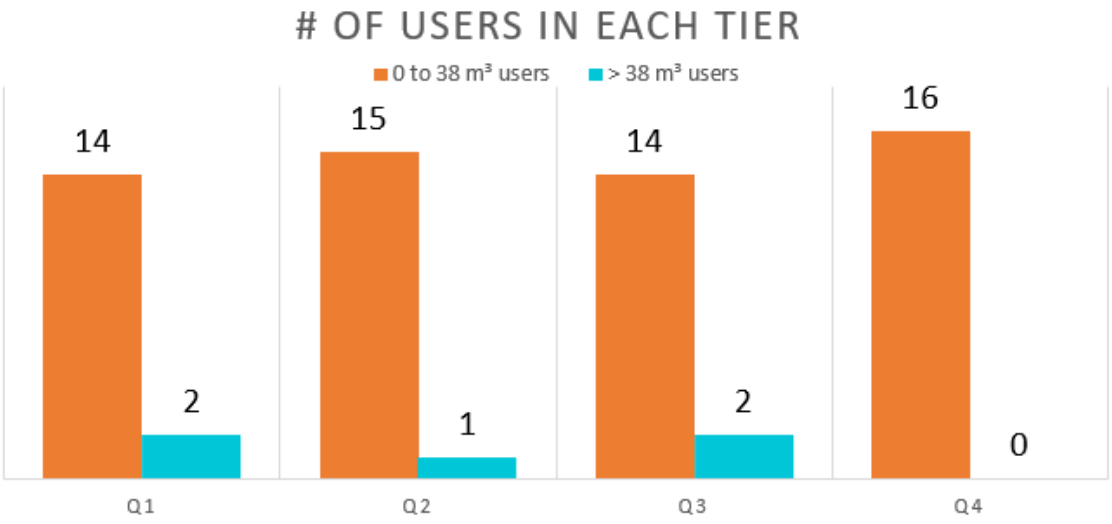
	2021	2022	2023	2024	2025
Q1	378	324	293	313	247
Q2	323	411	333	287	298
Q3	393	399	457	319	336
Q4	295	228	233	245	154
Total	**1,389**	**1,362**	**1,316**	**1,164**	**1,035**
Year over year change:		-2%	-3%	-12%	-11%

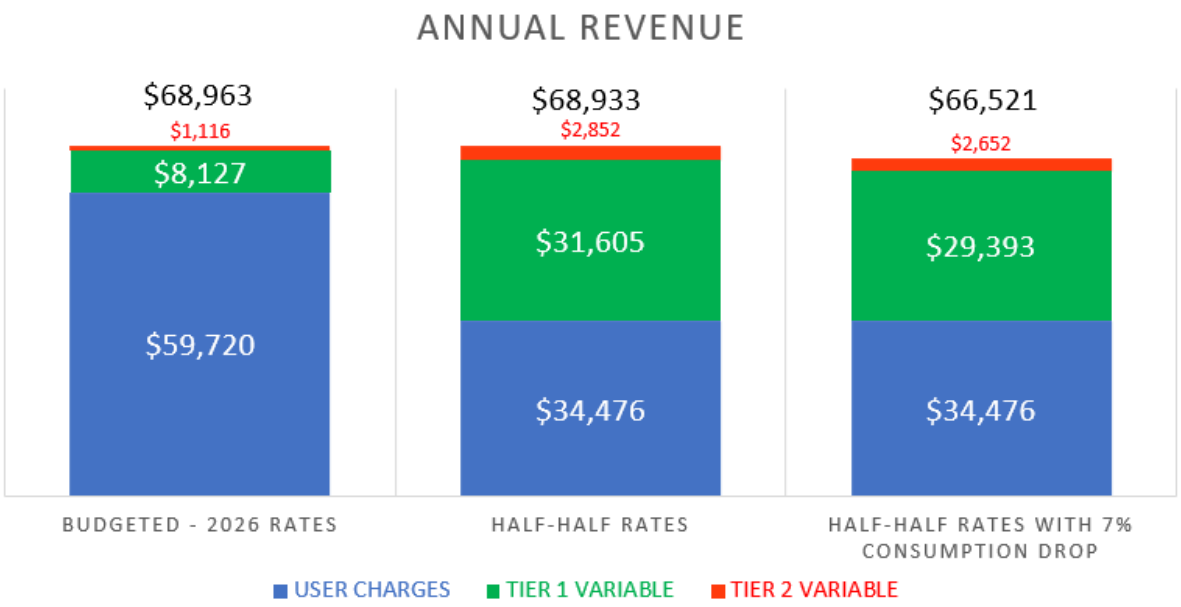
Historical Water Rates

	2021	2022	2023	2024	2025
0 to 38 m³	$3.50/m³	$3.50/m³	$7.00/m³	$9.00/m³	$9.00/m³
> 38 m³	$9.00/m³	$9.00/m³	$18.00/m³	$18.00/m³	$18.00/m³
Fixed Quarterly	$475.00/SFE	$485.30/SFE	$485.30/SFE	$574.43/SFE	$657.21/SFE



Fee Schedule	2026 Rates	Scenario Rates
Fixed Use Charge		
Quarterly Charge	$878.24	$825.49
Water Consumption Charge		
0 to 38 m^3	$9.00	$12.50
> 38 m^3	$18.00	$25.00





Fee Schedule	2026 Rates	Half- Half Rates
Fixed Use Charge		
Quarterly Charge	$878.24	$507.00
Water Consumption Charge		
0 to 38 m^3	$9.00	$35.00
> 38 m^3	$18.00	$46.00