

2023 Water Wastewater Budget

City of St Catharines Water/Wastewater Budget Summary

	Budget			Forecast	Actual	
	2023	2022	Budget \$ Change		2022	2021
Reserve at Beginning of Year	8,959,287	8,987,572	(28,285)	8,987,572	6,133,084	5,237,749
Revenues	61,073,695	56,674,292	4,399,403	56,111,591	56,536,549	53,691,259
Less: Region expenditures	39,542,992	36,828,256	2,714,736	36,628,256	34,246,615	33,599,776
Safe Restart Funding	-	-	-	-	-	854,282
Net Revenue	21,530,703	19,846,036	1,684,667	19,483,335	22,289,935	20,945,765
City Expenditures						
Water Operating costs	8,084,246	7,692,288	391,958	7,708,705	6,694,765	6,774,039
Water Debenture debt	378,215	439,655	(61,440)	439,655	397,712	426,247
Water Infrastructure costs	7,370,731	5,332,608	2,038,123	5,332,608	4,523,225	5,952,806
Sewer Operating costs	5,254,269	4,738,879	515,390	4,709,505	4,259,577	3,691,226
Sewer Debenture debt	703,316	767,081	(63,765)	767,081	767,390	775,933
Sewer Infrastructure costs	4,201,388	1,849,854	2,351,534	1,849,854	2,430,290	3,063,343
	25,992,165	20,820,365	5,171,800	20,807,408	19,072,958	20,683,594
Annual Surplus/(Deficit)	-4,461,462	-974,329	-3,487,133	-1,324,073	3,216,977	262,171
Transfer from/(to) Capital Projects	-	-	-	1,295,788	(362,489)	633,164
Reserve at End of Year	4,497,825	8,013,242	-3,515,418	8,959,287	8,987,572	6,133,084
City total	25,992,165	20,820,365	5,171,800	20,807,408	19,072,958	20,683,594
Region total	39,542,992	36,828,256	2,714,736	36,628,256	34,246,615	33,599,776
	65,535,157	57,648,621	7,886,536	57,435,664	53,319,573	54,283,370
cm - purchased	14,500,000	14,500,000	0	14,321,439	13,600,140	14,547,750

Appendix 1
2023 Water Wastewater Budget

2023 Water Budget Summary

	Budget			Forecast	Actual	
	2023	2022	Budget \$ Change	2022	2021	2020
Surplus (Deficit) at Beginning of Year	9,088,631	8,757,987	330,643	8,757,987	6,353,151	4,804,089
<u>Revenues:</u>						
Sales of Water	25,983,598	25,169,883	813,715	24,978,275	25,256,523	24,792,722
Fixed Costs	3,270,808	3,151,522	119,286	3,151,522	3,097,272	3,042,931
Purchase of Water	9,696,150	9,222,000	474,150	9,222,000	8,309,686	8,757,751
	13,016,640	12,796,361	220,279	12,604,753	13,849,565	12,992,040
Other Revenues	515,000	515,070	(70)	515,070	533,462	518,290
Safe Restart Funding	-	-	-	-	-	558,660
Net Revenue	13,531,640	13,311,431	220,209	13,119,823	14,383,027	14,068,990
<u>Expenditures:</u>						
General Administration	1,542,918	1,472,931	69,987	1,499,911	1,071,844	1,078,214
Engineering Overhead	2,171,804	1,974,474	197,330	1,956,118	1,874,210	1,848,411
Mains, Valves, Hydrants	2,463,594	2,358,750	104,844	2,366,543	2,361,845	2,045,707
Water Service Lines	610,072	595,982	14,090	595,982	404,959	535,502
Water Meters	661,743	657,047	4,696	657,047	420,423	710,303
New Mains/Valves/Hydrants	155,115	154,104	1,011	154,104	97,167	93,178
Water Services Rendered	-	-	-	0	-27,682	-34,988
Water Capital out of Revenue	2,624,000	1,073,230	1,550,770	1,073,230	325,000	425,250
Water Debenture Costs	378,215	439,655	(61,440)	439,655	397,712	426,247
Water Improvements Program	4,746,731	4,259,378	487,353	4,259,378	4,198,225	5,527,556
Cost Allocations	479,000	479,000	-	479,000	492,000	497,713
Total Expenditures	15,833,192	13,464,551	2,368,641	13,480,968	11,615,702	13,153,092
Net Surplus (Deficit)	-2,301,552	-153,120	-2,148,432	-361,145	2,767,325	915,898
Transfer from/(to) Capital Projects	-	-	-	691,788	(362,489)	633,164
Surplus (Deficit) at End of Year	6,787,079	8,604,868	-1,817,789	9,088,631	8,757,987	6,353,151

**CITY OF ST. CATHARINES - WATER/WASTEWATER BUDGET
ESTIMATE 2023**

EXPENDITURE ACCOUNT	2023 BUDGET
310.112 <u>WATER/WASTEWATER EQUIPMENT RESERVE:</u>	
OPENING BALANCE	\$937,408
ANNUAL RESERVE PROVISION	150,000
EST. PROCEEDS FROM AUCTION SALES	5,000
EXPENDITURES, 2023	-479,000
CLOSING BALANCE	<u>\$613,408</u>

2023 EXPENDITURE DETAILS

	REPLACEMENT COST	FUNDED BY RESERVE
ONE (1) FORD TRANSIT CONNECT VAN	75,000	75,000
ONE (1) INTERNATIONAL 7400 SINGLE AXLE DUMP TRUCK	360,000	360,000
ONE (1) 30" ROAD SAW	30,000	30,000
ONE (1) ELECTRIC VALVE TURNER	14,000	14,000
	<u>\$479,000</u>	<u>\$479,000</u>

* There are no outstanding prior year commitments from this reserve.

Water & Wastewater Vehicle & Equipment Reserve (310.112.000)

Year	Reserve Open Balance	Add: Annual Provision	Add: Proceeds from Auction Sales	Less: Planned Purchase (Full Cost)	Add: Debt Funding Support	Reserve Ending Balance	Purchase Detail
2022	989,263	100,000	7,851	(159,707)		937,408	Chevrolet Express Cargo 2500 Van; GMC Savana 3500 Cube Van; Leak Detection Equipment; Electric Valve Turner; 2 x Replacement Sewer Cameras
2023	937,408	150,000	5,000	(479,000)	-	613,408	Ford Transit Connect Van; International 7400 Single Axle Dump Truck; Husqvarna FS4800D 30" Road Saw
2024	613,408	150,000	5,000	(94,000)		674,408	Toyota Camry Hybrid; GMC Savana Cargo Van; GMC Terrain
2025	674,408	200,000	5,000	(455,000)		424,408	GMC STV Cube Van (4); Cae 580SN W/T Backhoe
2026	424,408	200,000	5,000	(650,000)	300,000	279,408	Freightliner Single Axle Dump Truck (debt funded); John Deere 310SL Backhoe (2);
2027	279,408	225,000	5,000	-		509,408	
2028	509,408	250,000	5,000	(276,000)		488,408	Ford E350 Cube Van; GMC STV Cube Van (2); GMC Sierra 1/2 Ton Pickup (2)
2029	488,408	250,000	5,000	(382,000)	345,000	706,408	Freightliner Tandem Dump Truck (debt funded); Sullair 185 Compressor
2030	706,408	275,000	5,000	(619,000)		367,408	John Deere 310SL Backhoe; Wachs LX Valve Maintenance Trailer; Ford F250 Crew Cab Pickup (2); GMC STV Cube Van (3)
2031	367,408	300,000	5,000	(545,000)		127,408	Freightliner 114SD Tri-Axle Dump Truck; Freightliner 114SD Tandem Axle Dump Truck

Appendix 1
2023 Water Wastewater Budget

2023 Wastewater Budget Summary

	Estimated Budget			Forecast	Actual	
	2023	2022	Budget \$ Change		2022	2021
Reserve at Beginning of Year	-129,383	229,544	-358,928	229,544	-220,107	433,620
<u>Revenues:</u>						
Wastewater Revenue	34,575,097	30,989,338	3,585,758	30,618,246	30,746,565	28,380,248
Regional Sewage Levy						
Supplemental Taxes						
Tax Appeals and Write-offs						
Vacancy Rebates						
Regional Wastewater (Net)	-26,576,034	-24,454,734	-2,121,300	-24,254,734	-22,839,657	-21,799,094
Safe Restart Funding				-	-	295,622
Net Revenue	<u>7,999,063</u>	<u>6,534,604</u>	<u>1,464,458</u>	<u>6,363,512</u>	<u>7,906,908</u>	<u>6,876,775</u>
<u>Expenditures:</u>						
Sewers General	856,176	742,548	113,628	749,521	756,076	681,362
Sewer Insurance	75,000	75,000	0	75,000	64,405	88,258
FLAP program	346,960	340,611	6,349	302,868	250,074	338,486
Sewer Improvement Projects	3,477,388	1,821,954	1,655,434	1,821,954	2,037,290	2,520,343
Lateral Replacements	718,530	710,573	7,957	709,095	552,257	461,147
New Laterals	-	-	0	0	72,761	2,453
Drain Cleaning	350,154	341,352	8,802	363,247	185,933	165,078
Sanitary Sewers Overhead	961,728	908,500	53,228	901,537	878,244	738,905
Debenture Debt	703,316	767,081	-63,765	767,081	767,390	775,933
Pollution Control	1,295,026	984,428	310,598	973,689	871,876	641,090
Pollution Control Overhead	283,695	268,867	14,828	267,549	247,952	241,880
Pollution Capital/Revenue	724,000	27,900	696,100	27,900	393,000	543,000
Cost Allocations	367,000	367,000	0	367,000	380,000	332,566
Total Expenditures	<u>10,158,973</u>	<u>7,355,814</u>	<u>2,803,159</u>	<u>7,326,440</u>	<u>7,457,256</u>	<u>7,530,503</u>
Net Surplus (Deficit)	<u>-2,159,911</u>	<u>-821,210</u>	<u>-1,338,701</u>	<u>-962,928</u>	<u>449,652</u>	<u>-653,728</u>
Transfer from/(to) Capital Projects	-	-		604,000	-	-
Surplus (Deficit) at End of Year	<u>-2,289,294</u>	<u>-591,665</u>	<u>-1,697,629</u>	<u>-129,383</u>	<u>229,544</u>	<u>-220,107</u>

WATER, WASTEWATER AND RELATED SERVICE RATES

1. The following rates shall be paid to The Corporation of the City of St. Catharines for the use of water supplied by The Corporation of the City of St. Catharines:

	<u>Current</u> <u>(For 2mo</u> <u>Billing)</u>	<u>Proposed</u> <u>(For 2mo</u> <u>Billing)</u>
(a) <u>Consumption - Cubic Metres (for each two month billing period)</u>		
Customer Charge	\$30.50	\$31.50
Consumption Charge - per cubic metre	1.424	1.467
*Note: Large Industrial Users are billed monthly		
Water meter size of 1" or greater will be subject to a water meter equivalency charge when calculating the Customer Charge. Exemption: Single Family Residential classification. See (b) below.		
(b) <u>Meter Equivalency</u>		
Water meter size of 1" or greater will be subject to a water meter equivalency charge when calculating the Customer Charge. Exemption: Single Family Residential classification.		
1" meter = 1.4 meter equivalency units		
1 1/2" meter = 1.8 meter equivalency units		
2" meter = 2.9 meter equivalency units		
3" meter = 11 meter equivalency units		
4" meter = 14 meter equivalency units		
* 6" meter = 21 meter equivalency units		
* >6" meter = 21 meter equivalency units		
* Note: Where a single 6" meter or greater is installed for the purpose of additional fire protection, the multiplier equivalency shall be discounted to 50%.		
(c) <u>Flat Rates (For each two month billing period)</u>		
Per Dwelling unit	\$87.50	\$96.75
Note: Where more than 20 units are being constructed, the maximum number of units charged is 20.		
(d) <u>Estimated Billing</u>		
Where consumption and/or Flat Rate does not apply, estimates are based on previous actual readings. In the absence of previous actual readings, amount to be determined at the discretion of the Treasurer.		
(e) <u>Rates for Services Outside City (For each two month billing period)</u>		
Multiple of Regular Rate	2X	2X
Customer Charge	\$61.00	\$63.00
Consumption Charge - per cubic metre	2.848	2.93344
(f) <u>Bulk Water (Key Pad Operated)</u>		
Multiple of Regular Rate	2X	2X
Per cubic metre	\$2.848	\$2.933
(g) <u>Water Under Construction</u>		
First two month period Per sq. ft. Water Increase 2017 1.22 %, 2018 1.64%, 2019 4.50%, 2020 7.51% increase, 2021 1.85% increase, 2022 5.98% increase, 2023 8.97% increase	\$0.032	\$0.035
Per sq. m.	0.345	\$0.376

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2023 Water/Wastewater Budget

	<u>Current</u> <u>(For 2mo</u> <u>Billing)</u>	<u>Proposed</u> <u>(For 2mo</u> <u>Billing)</u>
Next Flat Rate per dwelling unit for each two month billing period until meter is installed	\$87.50	\$96.75

If there are extenuating circumstances or if large Industrial/Commercial building, "Next Flat Rate" to be determined at the discretion of the Treasurer.

2. The following rates shall be paid to The Corporation of the City of St. Catharines for the use of water related services supplied by The Corporation of the City of St. Catharines:

(a) **METER RENTALS (Annually)**

Meter Size

*16mm (5/8") Displacement	\$19.00	\$28.00
*16mm (5/8")SR II Displacement with ECR	\$35.00	\$48.00
*16mm (5/8") Accustream/Transmitter	\$40.00	\$60.00
*16mm (5/8") IPERL/Transmitter	\$45.00	\$64.00
19mm (3/4") Displacement	\$25.00	\$36.00
19mm (3/4")SR II Displacement with ECR	\$41.00	\$59.00
19mm (3/4") Accustream/Transmitter	\$46.00	\$62.00
19mm (3/4") IPERL/Transmitter	\$50.00	\$66.00
25mm (1") Displacement	\$29.00	\$44.00
25mm (1") SR II Displacement with ECR	\$46.00	\$64.00
25mm (1") Accustream Transmitter	\$51.00	\$66.00
25mm (1") IPERL/Transmitter	\$55.00	\$72.00
38mm (1-1/2") Displacement	\$82.00	\$94.00
38mm (1-1/2") Displacement with ECR	\$115.00	\$115.00
38mm (1-1/2") Displacement /ECR/ Transmitter	\$120.00	\$120.00
38mm(1-1/2") Turbine	\$111.00	\$144.00
38mm(1-1/2") Turbine/Transmitter	\$116.00	\$149.00
38mm (1 1/2") OMNI C2 Compound	\$140.00	\$188.00
38mm (1 1/2") OMNI R2 Residential	\$100.00	\$114.00
38mm (1-1/2") OMNI T2 Turbine	\$96.00	\$146.00
50mm(2") Displacement	\$92.00	\$109.00
50mm(2") Displacement with ECR	\$128.00	\$128.00
50mm(2") Displacement-ECR/Transmitter	\$133.00	\$133.00

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2023 Water/Wastewater Budget

	<u>Current</u> <u>(For 2mo</u> <u>Billing)</u>	<u>Proposed</u> <u>(For 2mo</u> <u>Billing)</u>
50mm (2") Compound	\$96.00	\$123.00
50mm (2") Compound/Transmitter	\$101.00	\$128.00
50mm (2") Turbine	\$114.00	\$146.00
50mm (2") Turbine/Transmitter	\$119.00	\$151.00
50mm (2") OMNI C2 Compound	\$150.00	\$221.00
50mm (2") OMNI C2 Compound/Trans	\$180.00	\$240.00
50mm (2") OMNI R2 Residential	\$80.00	\$150.00
50mm (2") OMNI T2 Turbine	\$115.00	\$176.00
75mm (3") Compound	\$418.00	\$419.00
75mm (3") Compound/Transmitter	\$423.00	\$424.00
75mm (3") Turbine	\$375.00	\$384.00
75mm (3") Turbine/Transmitter	\$380.00	\$389.00
75mm (3") OMNI C2 Compound	\$402.00	\$420.00
75mm (3") OMNI T2 Turbine	\$375.00	\$401.00
100mm (4") Compound	\$498.00	\$524.00
100mm (4") Compound/Transmitter	\$503.00	\$529.00
100mm (4") Turbine	\$475.00	\$475.00
100mm (4") Turbine/Transmitter	\$480.00	\$480.00
100mm (4") OMNI C2 Compound	\$488.00	\$602.00
100mm (4") OMNI C2 Compound/Transmitter		\$622.00
100mm (4") OMNI F2 Fire Assembly	\$798.00	\$798.00
100mm (4") OMNI T2 Turbine	\$475.00	\$527.00
100mm (4") OMNI T2 Turbine/		\$547.00
150mm (6") Compound	\$671.00	\$825.00
150mm (6") Compound/Transmitter	\$676.00	\$830.00
150mm (6") Turbine	\$587.00	\$715.00
150mm (6") Turbine/Transmitter	\$592.00	\$720.00
150mm (6") Fire Assembly	\$900.00	\$900.00
150mm (6") Fire Assembly /Transmitter	\$905.00	\$905.00
150mm (6") OMNI C2 Compound	\$671.00	\$919.00
150mm (6") OMNI F2 Fire Assembly	\$980.00	\$1,330.00
150mm (6") OMNI F2 Fire Assembly/Trans	\$1,000.00	\$1,352.00

APPENDIX 1
2023 Water/Wastewater Budget

	<u>Current</u> <u>(For 2mo</u> <u>Billing)</u>	<u>Proposed</u> <u>(For 2mo</u> <u>Billing)</u>
150mm (6") OMNI T2 Turbine	\$587.00	\$808.00
200mm (8") Fire Assembly	\$1,340.00	\$1,340.00
200mm (8") Fire Assembly /Transmitter	\$1,345.00	\$1,345.00
200mm (8") Turbine	\$665.00	\$816.00
200mm (8") Turbine/Transmitter	\$670.00	\$821.00
200mm (8") OMNI C2 Compound	\$930.00	\$1,261.00
200mm (8") OMNI F2 Fire Assembly	\$1,400.00	\$1,910.00
200mm (8") OMNI T2 Turbine	\$830.00	\$1,134.00
250mm (10") Fire Assembly	\$1,750.00	\$2,458.00
250mm (10") Fire Assembly/Transmitter	\$1,515.00	\$2,463.00
250mm (10")Turbine	\$900.00	\$1,375.00
250mm (10")Turbine/Transmitter	\$905.00	\$1,398.00
250mm (10") OMNI C2 Compound	\$1,125.00	\$1,546.00
250mm (10")OMNI F2 Fire Assembly	\$1,950.00	\$2,458.00
250mm (10") T2 OMNI Turbine	\$1,000.00	\$1,375.00

* NOTE: No charge for 16mm (5/8") meter unless installed outside the City.

Where meter type consists of two meters combined, one rental rate is applicable, based on the predominant use of the meter.

(a)(i) METER PITS (CHAMBER) RENTALS (Annually)

<u>Meter Size</u>		
16mm (5/8")	\$90.00	\$93.00
19mm (3/4")	\$77.00	\$80.00
25mm (1")	\$106.00	\$110.00
38mm (1-1/2")	\$224.00	\$234.00
50mm (2")	\$252.00	\$263.00
75mm (3")	Actual Cost	
100mm (4")	Actual Cost	
150mm (6")	Actual Cost	
200mm (8")	Actual Cost	
250mm (10")	Actual Cost	

APPENDIX 1
2023 Water/Wastewater Budget

	<u>Current</u> <u>(For 2mo</u> <u>Billing)</u>	<u>Proposed</u> <u>(For 2mo</u> <u>Billing)</u>
3. The following rates shall be paid to the Corporation of the City of St. Catharines for the wastewater system and services as outlined herein:		
(a) <u>Wastewater Fees (for each two month period)</u>		
Sewer Replacement Program	\$25.50	\$31.00
Wastewater charges – per cubic metre	2.147	2.372
Water meter size of 1" or greater will be subject to a water meter equivalency charge when calculating the Customer Charge. Exemption: Single Family Residential classification. See (b) below.		
(b) <u>Meter Equivalency</u>		
Water meter size of 1" or greater will be subject to a water meter equivalency charge when calculating the Customer Charge. Exemption: Single Family Residential classification.		
1" meter = 1.4 meter equivalency units		
1 1/2" meter = 1.8 meter equivalency units		
2" meter = 2.9 meter equivalency units		
3" meter = 11 meter equivalency units		
4" meter = 14 meter equivalency units		
6" meter = 21 meter equivalency units		
>6" meter = 21 meter equivalency units		
Note: Where a single 6" meter or greater is installed for the purpose of additional fire protection, the multiplier equivalency shall be discounted to 50%.		
(c) <u>Flat Rates (for each two month billing period)</u>		
Per Dwelling unit	\$112.50	\$128.25
(d) <u>Wastewater Under Construction</u>		
First two month period	0.00	
Next Flat Rate per dwelling unit for each two month period until meter is installed	\$112.50	\$128.25
Note: Where more than 20 units are under construction, the maximum number of units charged is 20.		
If there are extenuating circumstances or if large Industrial/Commercial building, "Next Flat Rate" to be determined at the discretion of the Treasurer.		
4. <u>Unauthorized Use of Water</u>		
(a) Rate when bypass valve is opened without Authorization or any other unauthorized use of water or determination that water provided has not passed through the meter:		
Two (2) times the average of last three representative bills.	2X	
If not applicable, estimate to be determined at the discretion of the Treasurer. (for each two month billing period)		
(b) Where property has operated a grow-op, amount is three (3) times the total Flat Rate per dwelling unit as outlined in Sections 1 and 3 (for each two month billing period)		
	\$600.00	\$ 675.00

		<u>Current</u> <u>(For 2mo</u> <u>Billing)</u>	<u>Proposed</u> <u>(For 2mo</u> <u>Billing)</u>
5.	<u>Miscellaneous</u>		
(a)	<u>Meter Relocation</u> to a more appropriate position to facilitate reading and/or maintenance:		
	When requested by homeowner, equivalent to applicable Water Service Call as defined in Rates and Fees.		
	When determined by City Engineer, amount charged at the discretion of the Treasurer		
(b)	Installation of Automated Meter Reading (AMR) apparatus when performed not in accordance with scheduled deployment :		
	When requested by homeowner	\$450.00	
	When determined by City Engineer, amount charged at the discretion of the Treasurer		
	Customer non compliance with AMR installation	\$500.00	
(c)	<u>Late Payment Penalty</u>		
	A penalty for late payment of 1.5% per month is added the day following the due date and the first day of each month thereafter.		
(d)	The rates set out above shall be deemed to have become effective on all accounts with Billing periods ending on or after March 1, 2023 .		

* NOTE: METRIC CONVERSION: 1 cubic metre (CM) equals 220 gallons or 1,000 litres

*bolded script = proposed changes for 2023

APPENDIX 2
2023 Water / Wastewater Budget

City St. Catharines
Water / Wastewater Budget
Annual Bill Change Comparison (2 month basis)

	2023 New Rates	2022 Old Rates	Change	
			\$	%
<u>Consumption</u>				
Normal Consumption	170	170		
	<u>170</u>	<u>170</u>	<u>0</u>	<u>0.00%</u>
<u>Water - Retail Rate</u>				
Rate per billing period (2 months)	\$31.50	\$30.50		
Fixed Fee - Annual	\$189.00	\$183.00	6.00	3.28%
Consumption Rate per CM	\$1.467	\$1.424		
Consumption Fee	\$249.34	\$242.08	7.26	3.00%
Total Water	<u>\$438.34</u>	<u>\$425.08</u>	<u>\$13.26</u>	<u>3.12%</u>
<u>Wastewater - Retail Rate</u>				
Rate per billing period (2 months)	\$31.00	\$25.50		
Fixed Fee - Annual	\$186.00	\$153.00	33.00	21.57%
Consumption Rate per CM	\$2.372	\$2.147		
Consumption Fee	\$403.31	\$364.99	38.32	10.50%
Total Wastewater	<u>\$589.31</u>	<u>\$517.99</u>	<u>\$71.32</u>	<u>13.77%</u>
<u>Total Water and Wastewater Bill</u>	<u>\$1,027.65</u>	<u>\$943.07</u>	<u>\$84.58</u>	<u>8.97%</u>
Fixed Component	\$375.00	\$336.00		
Variable Component	<u>\$652.65</u>	<u>\$607.07</u>		
	<u>\$1,027.65</u>	<u>\$943.07</u>		
Fixed Percentage	36.49%	35.63%		
Variable Percentage	<u>63.51%</u>	<u>64.37%</u>		
	<u>100.00%</u>	<u>100.00%</u>		