

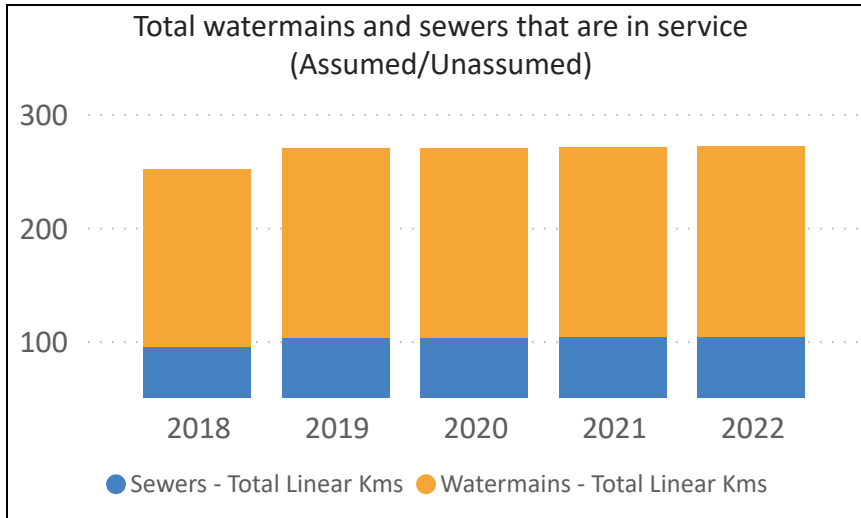
The Water and Wastewater business unit is a branch within the Operations Division of the Community Infrastructure and Environmental Services Department. This business unit is unique from the rest of the department as its operations are funded through the water and wastewater rates rather than through the tax levy. The Water and Wastewater business unit provides for the maintenance of the Town's water distribution and wastewater collection systems in accordance with the Ministry of the Environment, Conservation and Parks regulations. Drinking water quality is of the utmost importance and a significant effort is directed towards maintaining compliance and providing services in this highly regulated area.

The Water and Wastewater business unit is supported by 10 full time positions.

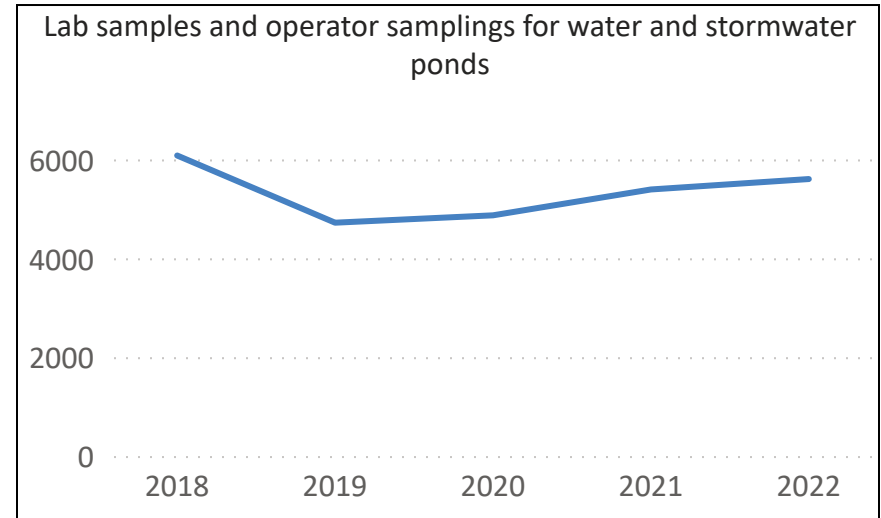


\* All 2022 numbers have been estimated to year end for comparison purposes

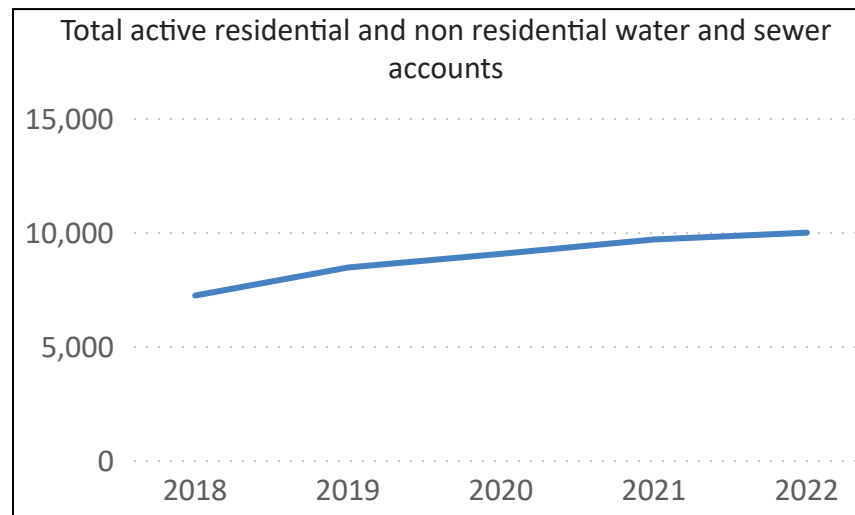
### Total KM's of Infrastructure



### Annual Water Regulatory Samples



### Total Number of Active Accounts



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# Budget Summary

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The Water and Wastewater expenditure budget includes expenditures of approximately \$11 million.

The main driver of cost increases for 2023 is due to the Regional costs for water supply and wastewater treatment. This accounts for approximately \$466,000 of the total \$794,000 expenditure increase for 2023.

Salaries and benefits have increased by approximately \$99,000 due to step and merit increases and benefit cost adjustments. The increase in audit services of \$10,000 relates to a service agreement with York Region audit services to perform a one time follow up review audit. The contingency amount represents a provision for a cost of living allowance adjustment for water and wastewater staff. Contracted Services is increasing by approximately \$58,000 due to services required for locates and for support from water quality experts. Courier and mail processing has been increased by \$40,000 to align budget with actual spend. Materials and supplies has increased by approximately \$48,000 due to growth and the rising cost of supplies. Utilities have been increased by approximately \$6,000 to align with the rising cost of gas and hydro at facilities. Indirect corporate costs have been reviewed and increased to ensure that support costs are equitably charged between the tax supported, fee supported and rate supported areas of the Town.

User fee revenue is projected to increase by approximately \$1.3 million due mainly to the increased growth and resulting water and wastewater volumes throughout the Town. The contributions to reserves have increased by approximately \$489,000 to align closer to the targeted reserve contribution in the Council approved 2020 Water and Wastewater Rate Study.

The proposed variable water and wastewater rates remain unchanged for 2023. This is the fourth consecutive year that these rates have not increased. The rates are shown in the table below.

Service	Usage (Variable) < 35 m <sup>3</sup> per month	Usage (Variable) > 35 m <sup>3</sup> per month Residential	Usage (Variable) > 35 m <sup>3</sup> per month Non-Residential
Water	\$2.28 m <sup>3</sup>	\$3.74 m <sup>3</sup>	\$3.00 m <sup>3</sup>
Wastewater	\$2.19 m <sup>3</sup>	\$2.19 m <sup>3</sup>	\$2.19 m <sup>3</sup>

A review of the fixed water and wastewater rate structure was undertaken. To align with best practices, a charge based on water meter size is recommended. The rate structure is based on a scale developed by the American Water Works Association (AWWA).

Approximately 99% of existing users will not be impacted by this change. Approximately 1%

of existing users will experience an increase to their annual water and wastewater costs. It is proposed that the change to the fixed rates be phased in over a three year period. The following table outlines the revised fixed rate structure and three year phase-in.

<b>Meter Size</b>	<b>2023 Fixed Charge per service (monthly)</b>	<b>2024 Fixed Charge per service (monthly)</b>	<b>2025 Fixed Charge per service (monthly)</b>
5/8" & 3/4"	\$23.00	\$23.00	\$23.00
1"	\$34.50	\$46.00	\$57.50
1.5"	\$53.67	\$84.33	\$115.00
2"	\$76.67	\$130.33	\$184.00
3"	\$130.33	\$237.67	\$345.00
4"	\$207.00	\$391.00	\$575.00
6"	\$398.67	\$774.33	\$1,150.00

<b>Water and Wastewater 2023 Rate Supported Budget</b>	<b>2023 Budget</b>	<b>2022 Budget</b>	<b>Variance \$</b>	<b>Variance %</b>
Expenditures				
Salaries and Benefits	1,474,575	1,375,550	99,025	7%
Audit Services	10,000		10,000	
Communications	8,500	8,500		
Contingency	37,000		37,000	
Contracted Services	453,375	395,025	58,350	15%
Courier and Mail Processing	100,000	60,000	40,000	67%
Equipment Repair	2,000	2,000		
Materials and Supplies	276,588	228,650	47,938	21%
Mileage	1,500	1,500		
Software Licences and Maintenance	59,000	59,000		
Training, Professional Development and Memberships	31,000	31,000		
Uniforms and Safety Clothing	12,500	12,500		
Utilities	28,750	22,500	6,250	28%
Indirect Corporate Costs	1,359,550	1,329,550	30,000	2%
Regional Water Charges	3,503,812	3,222,251	281,561	9%
Regional Wastewater Charges	3,604,157	3,420,007	184,150	5%
<b>Total Expenditures</b>	<b>10,962,307</b>	<b>10,168,033</b>	<b>794,274</b>	<b>8%</b>
Revenues				
Miscellaneous	(51,000)	(51,000)		
Sales	(55,000)	(55,000)		
User Fees	(13,198,530)	(11,915,603)	(1,282,927)	11%
<b>Total Revenues</b>	<b>(13,304,530)</b>	<b>(12,021,603)</b>	<b>(1,282,927)</b>	<b>11%</b>
Transfers				
Contributions to Reserves	2,342,223	1,853,570	488,653	26%
<b>Total Transfers</b>	<b>2,342,223</b>	<b>1,853,570</b>	<b>488,653</b>	<b>26%</b>
<b>NET BUDGET</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>



**Water & Wastewater Capital Budget Summary  
2023**

	Previously Approved	2023 Budget	Water and Sewer Rate	Development Charges	Community Capital Contribution	Reserves	Grants/Sponsorships	Future Years Budget	Total Budget	Funding Source
Water and Wastewater										
Water Operations										
WW-23-001 Water Quality Improvements		85,000				-85,000			85,000	Water Infrastructure
<b>Total Water Operations</b>		85,000				-85,000			85,000	
Wastewater Operations										
WW-23-002 Regulatory Sanitary ECA Requirements		75,000				-75,000			75,000	Sewer Infrastructure
<b>Total Wastewater Operations</b>		75,000				-75,000			75,000	
WWW Fleet										
WW-23-003 Trailer, Single Axle (W88-52) Replacement		13,000				-13,000			13,000	Vehicle & Equip - W&S
<b>Total WWW Fleet</b>		13,000				-13,000			13,000	
<b>Total Water and Wastewater Capital Program</b>		<b>173,000</b>				<b>-173,000</b>			<b>173,000</b>	

# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-001 Water Quality Improvements		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

Description
<b>Project Description</b>
Expansion of water quality improvement study completed in 2021-2022 for Bales Drive area with the Region to include a larger scope looking at Sharon/Queensville including Bales.
<b>Project Justification</b>
Building upon the results of the consultant assignment completed under WW-21-001, changes in the Region's operations were implemented. These changes improved the Bales Drive Area, however, additional flushing in Sharon/Queensville was required to meet regulatory water quality requirements in 2022. A collaborative approach with York Region and the Town of Newmarket is recommended for this study.



# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-001 Water Quality Improvements		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

Budget							
	Total LTD Budget	2023	2024	2025	2026	2027	2028
<b>Expenditures</b>							
<b>Professional Fees</b>							
Contracted Services - Consultants	85,000	85,000					
	85,000	85,000					
<b>Expenditures Total</b>	<b>85,000</b>	<b>85,000</b>					
<b>Funding</b>							
<b>Reserve / Reserve Funds</b>							
Water Infrastructure Reserve	85,000	85,000					
	85,000	85,000					
<b>Funding Total</b>	<b>85,000</b>	<b>85,000</b>					

Attributes		
Attribute	Value	Comment
Organization		
Department	Water and Wastewater	
Branch	Water Operations	
Attributes		
Year Proposed	2023	
Project Type	Repair and Replacement	
Strategic Plan Link	Quality Programs & Services	
Expected Start Month	January	
Approval Status	Submitted	
Reserve Funding Source	Water Infrastructure	

# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-001 Water Quality Improvements		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

### Gallery

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# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-002 Regulatory Sanitary ECA Requirements		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

Description	
<b>Project Description</b>	
<p>Consultant resource to support meeting the new Sanitary Environmental Compliance Approval (ECA) regulatory requirements and inform future operating budget impacts.</p>	
<b>Project Justification</b>	
<p>Regulatory changes for environmental approvals for municipal sewage collections works were recently downloaded by the Ministry of Environment, Conservation and Parks. This project will help support meeting the new requirements within the required deadlines for the sanitary ECA's Town wide.</p>	

# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-002 Regulatory Sanitary ECA Requirements		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

Budget							
	Total LTD Budget	2023	2024	2025	2026	2027	2028
<b>Expenditures</b>							
<b>Professional Fees</b>							
Contracted Services - Consultants	75,000	75,000					
	75,000	75,000					
<b>Expenditures Total</b>	<b>75,000</b>	<b>75,000</b>					
<b>Funding</b>							
<b>Reserve / Reserve Funds</b>							
Sewer Infrastructure Reserve	75,000	75,000					
	75,000	75,000					
<b>Funding Total</b>	<b>75,000</b>	<b>75,000</b>					

Attributes		
Attribute	Value	Comment
Organization		
Department	Water and Wastewater	
Branch	Wastewater Operations	
Attributes		
Year Proposed	2023	
Project Type	Legislative Requirement	
Strategic Plan Link	Responsible Growth & Env. Protection	
Expected Start Month	January	
Approval Status	Submitted	
Reserve Funding Source	Sewer Infrastructure	

# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-002 Regulatory Sanitary ECA Requirements		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

### Gallery

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# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-003 Trailer, Single Axle (W88-52) Replacement		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

Description
<b>Project Description</b>
Replacement of 1988 single axle trailer (Asset W88-52).
<b>Project Justification</b>
This utility trailer is 35 years old and, due to excessive corrosion and wear and tear, can no longer be feasibly repaired for continued use. This utility trailer is used by the Water & Wastewater department to transport material for emergency repairs

# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-003 Trailer, Single Axle (W88-52) Replacement		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

Budget							
	Total LTD Budget	2023	2024	2025	2026	2027	2028
<b>Expenditures</b>							
<b>Equipment / Vehicle</b>							
Purchase - Major Equipment and	13,000	13,000					
	13,000	13,000					
<b>Expenditures Total</b>	<b>13,000</b>	<b>13,000</b>					
<b>Funding</b>							
<b>Reserve / Reserve Funds</b>							
Vehicle & Equip't Res -W/S	13,000	13,000					
	13,000	13,000					
<b>Funding Total</b>	<b>13,000</b>	<b>13,000</b>					

Attributes		
Attribute	Value	Comment
Organization		
Department	Water and Wastewater	
Branch	WWW Fleet	
Attributes		
Year Proposed	2023	
Project Type	Repair and Replacement	
Strategic Plan Link	Quality Programs & Services	
Expected Start Month	January	
Approval Status	Submitted	
Reserve Funding Source	Vehicle & Equip - W&S	

# TOWN OF EAST GWILLIMBURY

## Capital Projects

<b>Project</b>	WW-23-003 Trailer, Single Axle (W88-52) Replacement		
<b>Department</b>	Water and Wastewater		
<b>Version</b>	Budget Deliberations	<b>Year</b>	2023

### Gallery

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**Ten-Year Capital Budget Summary  
2028**

	LTD Budget	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	Total	Funding Source
<b>Water and Wastewater</b>													
Water Operations													
WW-19-066 Water Loss Control Program	100,000											100,000	Water Infrastructure
WW-20-049 Water Meter Replacement Project	1,044,000											1,044,000	Water Infrastructure
WW-20-050 Water Service Replacement -Pilot Program	100,000											100,000	Water Infrastructure
WW-21-001 Bales Drive Water Quality Improvements	75,000											75,000	Capital Fund - Water
WW-21-002 2021 Water Wastewater Master Plan Update	196,000											196,000	Water DC & Sewer DC
WW-22-001 Automated Meter Reading Study	100,000											100,000	Water Infrastructure
WW-22-002 Watermain Replacement Design	650,000											650,000	Water Infrastructure
WW-23-001 Water Quality Improvements		85,000										85,000	Water Infrastructure
WW-25-001 Watermain Replacements (Sharon)				3,160,000								3,160,000	Water Infrastructure, Grant
<b>Total Water Operations</b>	<b>2,265,000</b>	<b>85,000</b>		<b>3,160,000</b>								<b>5,510,000</b>	
Wastewater Operations													
WW-20-047 Retrofit of Holland Landing Boulevard SPS	1,100,000											1,100,000	Sewer Infrastructure
WW-23-002 Regulatory Sanitary ECA Requirements		75,000										75,000	Sewer Infrastructure
WW-28-001 Water Wastewater Master Plan							200,000					200,000	Water DC & Sewer DC
<b>Total Wastewater Operations</b>	<b>1,100,000</b>	<b>75,000</b>					<b>200,000</b>					<b>1,375,000</b>	
WWW Fleet													
WW-22-003 Heavy Duty Pick-up Truck (W13-23) Replacement	70,000											70,000	Vehicle & Equip - W&S
WW-22-004 Water Supervisor Truck (W16-25) Replacement	80,000						80,000					160,000	Vehicle & Equip - W&S
WW-22-005 Service Van (W14-31) Replacement	70,000								70,000			140,000	Vehicle & Equip - W&S
WW-22-006 1/2 Ton Water Pick-up Truck (New)	70,000								70,000			140,000	Water DC
WW-23-003 Trailer, Single Axle (W88-52) Replacement		13,000										13,000	Vehicle & Equip - W&S
WW-24-001 2018 CHEV Silverado 1500 4WD Crew (W17-21) Replacement			80,000							90,000		170,000	Vehicle & Equip - W&S
WW-24-002 2013 Valve and HydroVac Trailer (W13-41) Replacement			75,000									75,000	Vehicle & Equip - W&S
WW-25-002 2007 Tandem Trailer (W07-51) Replacement				16,000								16,000	Vehicle & Equip - W&S
WW-27-001 2020 Pick Up (W20-10) Replacement						82,000						82,000	Vehicle & Equip - W&S
WW-29-001 Heavy Duty Pick-up Truck (W13-23) Replacement								80,000				80,000	Vehicle & Equip - W&S
WW-29-002 Service Van (W14-31) Replacement								80,000				80,000	Vehicle & Equip - W&S
WW-29-003 3/4 Ton Water Pick-up Truck (Replacement)								80,000				80,000	Vehicle & Equip - W&S
WW-29-004 Water Supervisor Truck (W16-25) Replacement								84,000				84,000	Vehicle & Equip - W&S
<b>Total WWW Fleet</b>	<b>290,000</b>	<b>13,000</b>	<b>155,000</b>	<b>16,000</b>		<b>82,000</b>	<b>80,000</b>	<b>324,000</b>	<b>140,000</b>	<b>90,000</b>		<b>1,190,000</b>	
<b>Total Water and Wastewater Capital Program</b>	<b>3,655,000</b>	<b>173,000</b>	<b>155,000</b>	<b>3,176,000</b>		<b>82,000</b>	<b>280,000</b>	<b>324,000</b>	<b>140,000</b>	<b>90,000</b>		<b>8,075,000</b>	