

## **Wastewater**

Wastewater Services delivers reliable sanitary services, high-quality effluent (outflow) that meets or exceeds regulatory requirements and management of the sewer use bylaw. To meet these needs, the wastewater services is a 24/7 business.

### **Key functions**

Wastewater Services is responsible for planning, design, construction, operation, maintenance and overall management of the wastewater infrastructure assets. To meet these needs and care for its infrastructure, the Wastewater Services operating budget provides funding for the following key functions:

#### **Facility operations and maintenance**

- Operation, maintenance, optimization, and compliance of the Wastewater Treatment Facility.
- Management, planning and compliance of the biosolids program.
- Planning and implementation of new capital projects to upgrade the wastewater treatment and biosolids processes.
- Laboratory testing and services.
- Adherence to the Saugeen Conservation Authority voluntary final effluent (outflow) limits.
- Continual improvement through benchmarking against industry best practice.
- Annual flushing program.
- Assume first lift station in the Riverview Subdivision.
- Continue the camera program for Asset Management.

#### **Sewer use by-law enforcement, wastewater collection system operation and maintenance**

- Upholding Brockton's Sewer Use bylaw.
- Addressing customer sewer blocks and carrying out preventative maintenance and repairs as required.
- Coordinating with Engineering and Transportation Services to plan infrastructure replacements and expansions.

## **2021 Accomplishments**

- Finished Grate Replacement at the WWTP
- Installation of UV Disinfection System
- Retrofitted floating mixers
- Installation/ replacement of new scum troughs
- Installation of new Wet Well Sensor
- Replacement of Clarifier pontoons
- Initial Engineering on the replacement of the Ferric Tank
- Replaced the Sanitary Sewer on George Street

## **2022 initiatives**

- Replace Sanitary Sewer on Yonge Street, between Jackson Street and Durham Street
- Complete the Inflow and Infiltration Study
- Replace front gate and fencing around the WWTP
- Replacing backup blowers
- Step Screen Overhaul
- Replace the Clarifier Wear Strip and Sprockets
- Engineer and replace the Automatic Screen for the Wet Well
- Refurbish the Bio generator

## **Our people**

- Continue to work with Veolia Staff
- Encourage staff to participate in internal engagement initiatives and opportunities for interdepartmental collaboration.

## Wastewater Treatment

### Financial information

This budget represents 4.65 per cent increase over 2021.

**Table 9 Revenue Trend 2020 to 2022 (Wastewater Treatment)**

Revenue	2020 budget	2021 approved budget	2022 draft budget	2022 budget change	2022 budget change
User fees and service charges	(\$1,075,347)	(\$1,095,924)	(\$1,147,444)	(\$51,520)	4.70%
Grants	\$0	\$0	\$0	\$0	0.0%
Agreements	(\$11,550)	(\$11,550)	(\$11,550)	(\$0)	0.0%
<b>Total revenue</b>	<b>(\$1,086,897)</b>	<b>(\$1,107,474)</b>	<b>(\$1,158,994)</b>	<b>(\$51,520)</b>	<b>4.65%</b>

### Explanation of change

- \$51,520 increase in revenue due to proposed rate increase.

**Table 10, Expenditure Trend 2020 to 2022 (Wastewater Treatment)**

Expenditure	2020 budget	2021 approved budget	2022 draft budget	2021 budget change	2022 budget change
Salary, wage and benefits	\$92,057	\$89,900	\$95,456	\$5,556	6.18%
Maintenance	\$60,000	\$60,000	\$74,500	\$14,500	24.17%
Utilities	\$150,000	\$150,000	\$150,000	\$0	0.00%
General Maintenance	\$784,840	\$807,574	\$839,038	\$31,464	3.90%
<b>Total expenditures</b>	<b>\$1,086,897</b>	<b>\$1,107,474</b>	<b>\$1,158,994</b>	<b>\$51,520</b>	<b>4.65%</b>

**Explanation of change**

- Increase in equipment maintenance
- Increase in sludge handling

**MUNICIPALITY OF BROCKTON  
BUDGET FOR WASTEWATER TREATMENT PLANT  
FOR THE YEAR 2022**

	ACCOUNT NUMBER 01-3140	2020	2021		2022	% Increase
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Wages	1200	19,719	16,421	69,384	73,883	6.48%
Wages - Public Works	1235	168	-	450	450	0.00%
Benefits	1240	6,354	5,910	19,908	20,965	5.31%
Benefits - Public Works	1244	26	-	158	158	0.00%
Clothing Allowance	1260	-	-	250	250	0.00%
Mileage	1270	-	-	-	-	0.00%
Training & Seminars	1271	-	-	3,200	3,200	0.00%
Longterm Debt Charge-Principal	1300	41,030	35,156	41,520	41,520	0.00%
Longterm Debt Charges-Interest	1301	11,212	8,379	13,620	13,620	0.00%
Supplies - Lab	1305	-	389	2,000	2,000	0.00%
<b>PAYROLL EXPENSES</b>	1315	407	376	-	-	0.00%
Engineering Projects	1317	1,332	-	10,000	10,000	0.00%
Maintenance & Purchase - Equipment	1320	8,293	27,170	43,000	55,000	27.91%
Maintenance - Building	1322	3,507	-	9,000	10,000	11.11%
Maintenance - Grounds	1325	5,574	3,770	6,000	7,500	25.00%
Maintenance - Vehicle	1330	-	-	1,000	1,000	0.00%
Maintenance - Health-Safety	1335	-	-	1,000	1,000	0.00%
Maintenance - Sewers	1337	3,091	4,204	-	-	0.00%
Postage	1340	4,897	5,403	6,000	6,000	0.00%
Service Agreements - Brewery Waste	1341	-	-	-	-	0.00%
Service Agreements	1344	394,271	376,074	437,000	450,068	2.99%
Telephone	1350	1,078	840	874	874	0.00%
Fuel	1358	-	776	1,800	1,800	0.00%
Utilities - Hydro	1360	103,264	96,411	45,000	45,000	0.00%
Utilities - Natural Gas	1365	33,804	8,829	60,000	60,000	0.00%
Utilities - Water	1366	49,086	49,338	45,000	45,000	0.00%
Insurance	1380	19,173	19,144	22,065	25,511	15.61%
Sludge Handling	1385	39,038	1,809	50,000	65,000	30.00%
Sewer Write-off	1390	-	-	-	-	0.00%
Public Works Equipment Costs	1470	-	-	3,000	3,000	0.00%
Miscellaneous Expenses	1530	-	-	-	-	0.00%
Trans. to Capital Fund	1710	-	-	-	-	0.00%
Trans. to Reserve Fund	1720	240,387	-	205,244	205,195	-0.02%
Inter-Department Expense	1820	-	-	11,000	11,000	0.00%
<b>OPERATING EXPENDITURES</b>		<b>985,710</b>	<b>660,399</b>	<b>1,107,474</b>	<b>1,158,994</b>	<b>4.65%</b>
CLEARING ACC'T-METER REV	0001	(1)	(0)	-	-	0.00%
Subsidy	0125	-	-	-	-	0.00%
GRANTS CANADA	0127	-	-	-	-	0.00%
Licenses & Permits	0133	-	-	-	-	0.00%
Sewer Penalty-Treatment Plant	0135	-	-	-	-	0.00%
Trans. from Reserve Fund	0142	-	-	-	-	0.00%
Miscellaneous Revenue	0150	-	-	-	-	0.00%
Agreements	0190	4,564	4,738	-	-	0.00%
Agreements-Leachate	0194	26,299	-	11,550	11,550	0.00%
Meter Revenue	0255	1,044,181	910,854	1,090,424	1,141,944	4.72%
Unit Charges	0256	5,396	4,269	5,500	5,500	0.00%
<b>OPERATING REVENUE</b>		<b>1,080,440</b>	<b>919,860</b>	<b>1,107,474</b>	<b>1,158,994</b>	<b>4.65%</b>
<b>TOTAL OPERATING</b>		<b>(94,730)</b>	<b>(259,461)</b>	<b>0</b>	<b>-</b>	<b>-100.00%</b>

**MUNICIPALITY OF BROCKTON  
BUDGET FOR WASTEWATER TREATMENT PLANT  
FOR THE YEAR 2022**

CAPITAL PARTICULARS	ACCOUNT NUMBER 02-3140	2020	2021		2022	% Increase
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Capital - Purchases	1600	-	-	169,472	602,000	255.22%
Tran. to Reserve Fund	1720	-	-	-	-	0.00%
<b>CAPITAL EXPENDITURES</b>		-	-	<b>169,472</b>	<b>602,000</b>	<b>255.22%</b>
3140-1600						
3140-1720						
Ontario Grants	0126	-	-	-	-	0.00%
Longterm Borrowing	0129	-	-	-	-	0.00%
Trans. From Reserves Working Cap	0141	-	-	-	-	0.00%
Trans. from Reserve Fund	0142	241,963	57,790	555,000	602,000	8.47%
Trans. from Revenue Fund	0143	-	-	-	-	0.00%
Meter Revenue	0155	-	-	-	-	0.00%
Agreements	0190	-	-	-	-	0.00%
3140-0142						
<b>CAPITAL REVENUE</b>		<b>241,963</b>	<b>57,790</b>	<b>555,000</b>	<b>602,000</b>	<b>8.47%</b>
3140-0155						
<b>TOTAL CAPITAL</b>		<b>(241,963)</b>	<b>(57,790)</b>	<b>(385,528)</b>	<b>-</b>	<b>100.00%</b>
<b>TOTAL SANITATION</b>		<b>(336,693)</b>	<b>(317,251)</b>	<b>(385,528)</b>	<b>-</b>	<b>100.00%</b>

## Wastewater Collection

### Financial information

This budget represents 32.52 per cent increase over 2021.

**Table 1, Revenue trend 2020 to 2022 (Wastewater Collection)**

Revenue	2020 budget	2021 approved budget	2022 draft budget	2022 budget change	2022 budget change
User fees and service charges	(\$132,228)	(\$134,771)	(\$137,660)	(\$62,057)	82.08%
Grants and Reserve Funds	(\$75,603)	(\$75,603)	(\$141,139)	(\$6,368)	4.72%
<b>Total revenue</b>	<b>(\$207,831)</b>	<b>(\$210,375)</b>	<b>(\$278,799)</b>	<b>(\$68,424)</b>	<b>32.52%</b>

### Explanation of changes

- \$68,424 increase in revenue due to increased transfer from Reserve Fund required to assist with the increased operational costs.

**Table 2, Expenditure Trend 2020 to 2022 (Wastewater Collection)**

Expenditures	2020 budget	2021 approved budget	2022 draft budget	2022 budget change	2022 budget change
Wages	\$15,787	\$13,981	\$16,775	\$2,795	19.99%
Maintenance	\$75,000	\$75,000	\$80,000	\$5,000	6.67%
General Expenses	\$117,044	\$121,394	\$182,024	\$60,630	49.94%
<b>Total expenditures</b>	<b>\$194,482</b>	<b>\$210,375</b>	<b>\$211,697</b>	<b>\$68,424</b>	<b>32.52%</b>

**Explanation of changes**

- Increase in Service Agreements for inflow and infiltration study to be completed in 2022

**MUNICIPALITY OF BROCKTON  
OPERATING BUDGET FOR WASTEWATER COLLECTION SYSTEM  
FOR THE YEAR 2022**

OPERATING PARTICULARS	ACCOUNT NUMBER 01-3141	2020	2021		2022	% Increase
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Wages - Sewers	1200	9,537	9,063	11,332	12,744	12.47%
Wages - Public Works-Sewers	1216				-	0.00%
WAGES - SEWERS	1222	-	-	-	-	
Benefits - Sewers	1240	3,156	3,059	2,649	4,031	52.17%
Benefits-Public Works-Sewers	1246				-	0.00%
Training & Seminars	1271	-	-	-	-	0.00%
Long-term Debt Charge	1300	38,268	33,930	46,480	47,251	1.66%
Long-term Debt Charge - Interest	1301	19,056	15,074	20,810	20,810	0.00%
Engineering Projects	1317	1,978	2,820	10,000	15,000	50.00%
Maintenance - Sewers	1337	15,021	13,326	75,000	80,000	6.67%
Service Agreements - Veolia	1344	31,705	33,431	36,000	98,963	174.90%
Sewer Write-offs	1390	-	-	-	-	0.00%
Public Works-Equipment Costs	1470	-	-	-	-	0.00%
Trans. to Capital Fund	1710	-	-	-	-	0.00%
Trans. to Reserve Fund	1720	-	-	8,104	-	-100.00%
<b>OPERATING EXPENDITURES</b>		<b>118,720</b>	<b>110,703</b>	<b>210,375</b>	<b>278,799</b>	<b>32.52%</b>
Grants	0126	-	-	-	-	0.00%
Permits	0133	-	-	-	-	0.00%
Sewer Penalty-Collection System	0135	-	-	-	-	0.00%
Transfers from Reserve Fund	0142	15,899	-	75,603	137,660	82.08%
Recoveries	0145	-	-	-	-	0.00%
Miscellaneous Revenue	0150	-	-	-	-	0.00%
Meter Revenue	0255	128,261	125,136	134,771	141,139	4.72%
Unit Charges	0256	-	-	-	-	0.00%
<b>OPERATING REVENUE</b>		<b>144,160</b>	<b>125,136</b>	<b>210,375</b>	<b>278,799</b>	<b>32.52%</b>
<b>TOTAL OPERATING</b>		<b>(25,440)</b>	<b>(14,433)</b>	<b>(0)</b>	<b>-</b>	<b>100.00%</b>

**MUNICIPALITY OF BROCKTON  
CAPITAL BUDGET FOR WASTEWATER COLLECTION SYSTEM  
FOR THE YEAR 2022**

CAPITAL PARTICULARS	ACCOUNT NUMBER	2020	2021		2022	% Increase
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Capital Purchases	1600	-	-	-	800,000	100.00%
Capital Engineering	1601	-	-	-	-	0.00%
Reconstruction Gibson Street	1605	-	-	-	-	0.00%
Sanitary Sewers - N.C	1655	-	-	-	-	0.00%
Transfers to Reserve Fund	1720	-	-	-	-	0.00%
SEALING OF LOBIES PARK MANHOLE	2000	-	-	65,000	-	-100.00%
INFLOW & INFILTRATION STUDY	2280	-	4,231	30,000	-	-100.00%
<b>CAPITAL EXPENDITURES</b>		-	<b>4,231</b>	<b>95,000</b>	<b>800,000</b>	<b>742.11%</b>
Ontario Grants	0126	-	-	-	-	0.00%
Long-term Borrowing	0129	-	-	-	800,000	100.00%
Trans. from Reserve Fund	0142	-	-	245,000	-	-100.00%
Trans. from Revenue Fund	0143	-	-	-	-	0.00%
Meter Charges - Capital Levy	0155	-	-	-	-	0.00%
<b>CAPITAL REVENUE</b>		-	-	<b>245,000</b>	<b>800,000</b>	<b>226.53%</b>
<b>TOTAL CAPITAL</b>		-	<b>4,231</b>	<b>(150,000)</b>	-	<b>100.00%</b>

0% Decrease

<b>TOTAL COLLECTION SYSTEM</b>		<b>(25,440)</b>	<b>(10,201)</b>	<b>(150,000)</b>	-	<b>-100.00%</b>
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