

# The Corporation of the Municipality of Brockton



## By-Law 2020-020

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Being a By-Law to Adopt the Estimates of All Sums Required During the Year 2020  
for the Non-Tax Supported Expenses for the Municipality of Brockton.

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**Whereas** the *Municipal Act S.O. 2001, c 25, Section 5(3)*, as amended provides that a municipal power, including a municipality's capacity rights, powers and privileges under section 9, shall be exercised by By-Law;

**And Whereas** the *Municipal Act, 2001, c.25, Section 290*, as amended provides that for each year, a local municipality shall, in the year or immediately preceding year, prepare and adopt a budget including estimates of all sums required during the year for the purposes of the municipality;

**Now Therefore** the Council of The Corporation of the Municipality of Brockton enacts as follows:

- 1.0 That The Corporation of the Municipality of Brockton Council hereby approves the estimates attached hereto as Schedule "A", the 2020 Non-Tax Supported Budget and forming part of this by-law, and that they be adopted as the budget for the year 2020.
- 2.0 This By-Law shall come into full force and effect upon final passage.
- 3.0 This By-Law may be cited as the "Approve 2020 Non-Tax Supported Municipal Budget By-Law".

**Read, Enacted, Signed and Sealed this 18th day of February, 2020.**

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Mayor – Chris Peabody

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Clerk – Fiona Hamilton

# 2020 Non-Tax Supported Budget Report

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## Introduction

The 2020 proposed non-tax supported operating budget represents the Municipality of Brockton's commitment to meeting legislative requirements, maintaining the health and safety of the community, and providing exceptional customer service.

The Municipality's non-tax supported budget is comprised of Water Services and Wastewater Treatment and Collection Services, and the Ontario Building Code (OBC) Administration. Combined, the total proposed 2020 operating budget is \$2,692,396

Based on approved Water Works Financial Plan (2016-2021), the user fees and rates (Water and Wastewater), have a 3% increase, which reflects a flat rate increase of approximately \$6.25 and \$6.56 respectfully.

The proposed budget includes:

- \$1.199 million operating budget for Water Services that allows Brockton to continue to deliver a safe and sustainable water supply while renewing its aging infrastructure.
- \$1.294 million operating for Wastewater Collection & Treatment Services to support continued optimization of Brockton's wastewater systems.
- \$197 thousand operating for OBC Administration, which includes continued investments to maintain the health and safety of the community and to enhance services for our customers.

The operating costs associated with these service areas are recovered 100 per cent through user fees and other non-tax supported revenues, and therefore do not require a property tax transfer.

## Building the Budget

When developing the budget, the Municipality must consider and prioritize projects that are required to meet legislative requirements and community need. To maximize the Municipality's investment, projects that align with Brockton's Sustainable Strategic Plan, Operational/Organizational Review and the Municipality Community Official Plan—to build an exceptional Municipality by providing outstanding municipal service and value, while supporting the environmental, economic, social, and cultural pillars of sustainability—are considered.

Although the budgets are broken down into service areas, the budget is considered and approved as a whole to enhance the Municipality's decision-making process.

The development of the non-tax supported operating budget is based on key elements that align with the Municipality's financial strategy:

- A strong financial foundation that is based on a financial policy framework, which includes debt management, reserve and reserve fund and investment policies. Specifically, water and wastewater have no rate supported debt.
- Solid financial performance as indicated through third party evaluations by the Municipality's external auditor and credit rating assessments.

Water and Wastewater budget development is centered on the objectives of ensuring regulatory compliance, managing our assets from water sources to the customer, and maintaining affordability for our customers.

Annual operating budget development for water and wastewater is based on net-zero funding principles, as defined by the Municipal Act, 2001, where revenues and expenses, including funding transfers to capital reserve funds, are balanced.

## Reserves and Reserve Funds

In the 2020 proposed budget for water and wastewater services, a transfer from the contingency reserve is budgeted to maintain affordability for the ratepayer while ensuring reserve remain adequately funded at the target levels.

Most notably for the Municipality's water and wastewater infrastructure, the transfer to the capital reserve is measured against the municipalities capital need to maintain and replace our current assets. In each of water and wastewater, the operating transfer to fund capital is moving the Municipality closer to achieving sustainable asset investment.

Council receives an annual comprehensive Reserve and Reserve Fund Report that outlines fund balances, funding status compared to targets and significant transactions. Reserve and reserve fund forecasted balances are reflected in the departmental budget documentation.

2019 ending reserve fund balance: \$2.946

2020 forecasted ending reserve fund balance: \$1,653

## Capital Budget

The non-tax supported capital projects are presented as part of the consolidated 2019–2020 capital budget and forecast.



## Water and Wastewater Overview

### Financial planning

As part of the Safe Drinking Water Act, 2002, the Province of Ontario requires municipal water service providers to develop or update a long-range financial plan every five years to renew municipal drinking water licenses. In addition to satisfying provincial requirements, the Water and Wastewater Long-range Financial Plan (2016-2021) helps the Municipality provide long-term financial stability, system sustainability and community safety as it relates to our water supply. The plan also informs the budgets and rate increases submitted annually for Council approval.

Although not required by the province, the Municipality proactively includes Wastewater Services in long-range financial planning to provide a more complete and accountable picture of the water and wastewater systems and to ensure more accurate forecasting.

### Summary of 2020 Proposed Water and Wastewater Rates

The following volumetric rates and basic service charges are proposed for 2020.

**Table 4, Rate change and forecasted residential bill impact**

	2019	2020	Change
Water volume charge \$/cubic metre	\$1.30	\$1.34	\$0.04
Water Annual Flat Rate \$/annual	\$208.25	\$214.53	\$6.25
Wastewater volume charge \$/cubic metre	\$1.36	\$1.40	\$0.04
Wastewater Annual Flat Rate \$/annual	\$231.55	\$238.10	\$6.55

The above-proposed water and wastewater rates reflect an overall expenditure increase of 3.0 and 2.9 per cent respectively to the water and wastewater operating budgets. Internal support costs, realignment of employee compensation, operating increases to utilities and studies required for asset management, and capital reserve transfers represent the largest impacts to the water and wastewater budgets.

## Water Services

Water Services ensures a safe, secure and sustainable water supply for our community including water used for residential, business, recreational and firefighting purposes. The delivery of a safe, reliable water supply is a 24-hour business.

### Council responsibility as owner

"The Safe Drinking Water Act, 2002 includes a statutory standard of care for individuals who have decision-making authority over municipal drinking water systems or who oversee the operating authority of the system.

It is important that members of municipal council and municipal officials with decision making authority over the drinking water system and oversight responsibilities over the accredited operating authority understand that they are personally liable, even if the drinking water system is operated by a corporate entity other than the municipality."

(Excerpted from: Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils)

There are legal consequences for not acting as required by the standard of care, including possible fines or imprisonment.

Council members and senior staff received training on statutory standard of care, in December 2018 with the new term of Council at the Walkerton Clean Water Centre.

### Key functions

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

### Customer service and conservation

- Customer service and support
- Utility administration and revenue management
- Staff training and development
- Compliance and conformance programs

## Supply, treatment and protection

- Provision of a secure, reliable and continuous supply of treated drinking water to the water distribution system.
- Implementation of programs to ensure operational and environmental compliance.
- Operation and maintenance of related infrastructure including disinfection systems, supply facilities, towers, pumping stations, and reservoirs.
- Management and replacement of water supply assets.

## Distribution and metering

- Provision of a secure, reliable, and continuous supply of treated drinking water to customers and for fire protection.
- Operation and maintenance of infrastructure including water mains, valves, hydrants and service lines.
- Installation of new water billing meters and replacement of aging meter assets.
- Emergency response and reactive infrastructure maintenance.
- Capital infrastructure condition assessments and remediation to support loss mitigation (e.g. leak detection studies of municipal watermains).

## 2019 Accomplishments

- Updated SCADA Servers
- Replaced South Standpipe Mixer, Well 7 & 9 Backup Generator, VFD on North Tower, 3 Hydrants

## 2020 initiatives

### Our services

Initiation of key water supply projects including:

- Water Main Replacement on McGivern Street
- Lake Rosalind Well #3 repair
- Finalizing Engineering on Booster Station
- Purchase of new Turbidity Meter and Surge Protector for the Chepstow System
- Source Water Protection - Hazard Study – Water Quantity at Lake Rosalind
- 36 Month Risk Assessment for all water systems (as per DWQMS 2.0)

### Our people

- Work closely with Veolia on the water supply services.
- Continued training and certification of licensed Water Services staff to support progressive licensing and continuous improvements within the Municipality's operations.

## Water Services

### Financial information

This budget represents 3.53 percent increase over 2019.

Table 6, Revenue budget trend 2018 to 2020 (Water Services)

Revenue	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
User fees & service charges	(\$1,081,514)	(\$1,158,865)	(\$1,199,719)	\$40,854	3.53%
Grants	(\$31,000)	(\$0)	(\$0)	(\$0)	0.00%
Total revenue	(\$1,112,514)	(\$1,158,865)	(\$1,199,719)	\$40,854	3.53%

### Explanation of changes

- \$40,854 increase in water consumption rate revenue

Table 7, Expenditure budget trend 2018 to 2020 Water Services

Expenditure	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
Salary, wage & benefits	\$74,021	\$72,844	\$80,395	\$7,550	10.37%
Maintenance	\$71,000	\$69,500	\$93,500	\$24,000	34.53%
General expenses	\$967,493	\$1,016,521	\$1,025,824	\$9,303	0.92%
Total expenditures	\$1,112,514	\$1,158,865	\$1,199,719	\$40,854	3.53%

Explanation of changes

- Increase in watermain repairs
- Increased in training

Table 8, Water rate trend 2018 to 2020

	2018	2019	2020	2020 change	2020 change
Water - connection	\$202.18	\$208.25	\$214.53	\$6.25	3.0%
Water - consumption	\$1.26	\$1.30	\$1.34	\$0.04	3.0%

**3.00 PERCENTAGE INCREASE  
ON RATES as per Financial Plan**

**MUNICIPALITY OF BROCKTON  
OPERATING BUDGET FOR WATER SERVICES - EXPENSES  
FOR THE YEAR 2020**

OPERATING EXPENDITURES PARTICULARS	ACCOUNT NUMBER 01-3135	2018	2019		2020	% Increase from 2019
		ACTUAL	ACTUAL	BUDGETED	BUDGET	
Wages - Water	1200	58,331	35,929	56,742	62,358	9.90%
Wages - Public Works	1235	-	-	-	-	0.00%
Benefits - Water	1240	18,061	14,460	16,102	18,036	12.02%
Benefits - Public Works	1244	-	-	-	-	0.00%
Clothing Allowance	1260	53	-	200	200	0.00%
Mileage	1270	-	-	250	250	0.00%
Training & Seminars	1271	3,089	1,943	3,500	3,500	0.00%
Longterm Debt -Principal	1300	25,749	34,732	45,482	45,482	0.00%
Longterm Debt -Interest	1301	16,980	19,887	19,804	19,804	0.00%
Memberships	1303	503	125	1,500	1,500	0.00%
Supplies	1305	2,223	12,440	3,000	6,000	100.00%
Legal Services	1310	-	-	-	-	0.00%
Engineering Services	1317	-	1,203	60,000	60,000	0.00%
Payroll Process	1315	-	-	500	500	0.00%
Maintenance - Equipment	1320	14,801	47,562	20,000	20,000	0.00%
Maintenance - Grounds	1325	7,079	7,134	6,500	7,500	15.38%
Maintenance - Vehicle	1330	153	-	1,000	1,000	0.00%
Maintenance - Watermains	1334	50,493	37,625	42,000	65,000	54.76%
Maintenance - Samples	1336	1,942	-	-	-	0.00%
Postage	1340	4,927	2,102	5,500	5,500	0.00%
Service Agreements	1344	350,256	383,149	399,600	411,800	3.05%
Telephone	1350	1,060	794	874	874	0.00%
Fuel - Truck	1358	673	152	1,700	1,700	0.00%
Utilities-Hydro	1360	81,084	75,566	90,000	90,000	0.00%
Utilities-Natural Gas-Walkerton System	1365	-	-	-	-	0.00%
Utilities-Water	1366	114	840	400	400	0.00%
Insurance	1380	22,481	51,927	22,454	19,917	-11.30%
Water Write-offs	1390	-	0	-	-	0.00%
Public Works Equipment Costs	1470	-	-	3,000	3,000	0.00%
Miscellaneous Expenses	1530	-	-	-	-	0.00%
Transfer to Capital Fund	1710	-	-	-	-	0.00%
Transfer to Reserve Fund	1720	344,151	-	343,337	339,977	-0.98%
Inter-Department Expense	1820	-	-	15,420	15,420	0.00%
<b>OPERATING EXPENDITUES</b>		<b>1,004,203</b>	<b>727,571</b>	<b>1,158,865</b>	<b>1,199,719</b>	<b>3.53%</b>

**MUNICIPALITY OF BROCKTON  
OPERATING BUDGET FOR WATER SERVICE - REVENUE  
FOR THE YEAR 2019**

OPERATING PARTICULARS	ACCOUNT NUMBER 01-3135	2018	2019		2020	% Increase from 2019
		ACTUAL	ACTUAL	BUDGETED	BUDGET	
Ontario Grants	0126	-	4,406	-	-	0.00%
Licenses and Permits	0133	-	-	-	-	0.00%
Water Penalty-Walkerton	0135	3,961	4,090	-	-	0.00%
Transfer from Reserves	0141	-	-	-	-	0.00%
Transfer from Reserve Fund	0142	-	-	-	-	0.00%
Recoveries-disconnect/reconnections	0145	1,800	1,575	-	6,000	100.00%
Miscellaneous Revenue	0150	5,841	9,152	-	-	0.00%
Meter Revenue	0255	1,087,643	1,006,122	1,158,865	1,193,719	3.01%
Flat Rate no Meters	0256	3,689	3,800	-	-	0.00%
<b>OPERATING REVENUE</b>		<b>1,102,935</b>	<b>1,029,145</b>	<b>1,158,865</b>	<b>1,199,719</b>	<b>3.53%</b>
<b>TOTAL OPERATING</b>		<b>(98,731.95)</b>	<b>(301,574)</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>

**MUNICIPALITY OF BROCKTON**  
**CAPITAL BUDGET FOR WATER SERVICE - REVENUE**  
**FOR THE YEAR 2019**

CAPITAL PARTICULARS	ACCOUNT NUMBER 02-3135	2018	2019		2020	% Increase from 2018
		ACTUAL	ACTUAL	BUDGETED	BUDGET	
Purchase - Capital	1600	122,467	4,587	266,000	1,150,500	332.52%
Reconstruction - Thomas Street	1607	-	-	-	-	0.00%
South Standpipe	1604	243,466	58,492	56,000	-	-100.00%
Transfers to Reserve Fund	1720	-	-	-	-	0.00%
<b>CAPITAL EXPENDITURES</b>		<b>365,933</b>	<b>63,080</b>	<b>322,000</b>	<b>1,150,500</b>	<b>257.30%</b>

CAPITAL PARTICULARS	ACCOUNT NUMBER 02-3135	2018	2019		2020	% Increase from 2018
		ACTUAL	ACTUAL	BUDGETED	BUDGET	
Ontario Grants	0126	72,315	-	-	-	0.00%
Grants - County/Municipal	0128	5,000	-	-	-	0.00%
Longterm Debt - bank	0129	69,866	-	-	-	0.00%
Transfer from Reserve Fund	0142	63,000	129,845	322,000	1,150,500	257.30%
Transfer from Revenue Fund	0143	-	-	-	-	0.00%
Unit Charges-Valleyside Condo Meters	0151	-	-	-	-	0.00%
Unit Charges-Local Improvements	0159	-	-	-	-	0.00%
<b>CAPITAL REVENUE</b>		<b>210,182</b>	<b>129,845</b>	<b>322,000</b>	<b>1,150,500</b>	<b>257.30%</b>
<b>TOTAL CAPITAL</b>		<b>155,751</b>	<b>(66,765)</b>	<b>-</b>	<b>0</b>	<b>100.00%</b>

<b>TOTAL WATER</b>	<b>57,019</b>	<b>(368,339)</b>	<b>-</b>	<b>0</b>	<b>100.00%</b>
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## 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.

## 2019 Accomplishments

- Replaced Sludge Tank Mixer, Effluent Pump, and overhauled the Primary Clarifier
- Reconstructed the driveway leading to the WWTP
- Completed Zoom Camera Inspection of Walkerton Sanitary Sewer Mains

## 2020 initiatives

### Our resources

- Finish Engineering of WWTP UV Disinfection System and build (FCM Grant Received)
- McGivern Street Sanitary Sewer Replacement
- Biogenerator Refurbishment
- Engineering of new Ferric Tank and plumbing
- Replacement of Step Screen, Gates, Backup Blowers, Primary Digester Gas Flow Meter, Sludge Holding Tank Mixer, Pontoons in Final Clarifier 3 and 4, Security Fencing and Main Gate, upgrades to driveway inside the facility, and office upgrades.

### 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 2.9211 per cent increase over 2019.

Table 9 Revenue trend 2018 to 2020 (Wastewater Treatment)

Revenue	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
User fees & service charges	(\$1,013,476)	(\$1,044,983)	(\$1,075,347)	(\$30,364)	2.91%
Grants	\$0	\$0	\$0	\$0	0.0%
Agreements	(\$11,550)	(\$11,550)	(\$11,550)	(\$0)	0.0%
Total revenue	(\$1,025,026)	(\$1,056,533)	(\$1,056,533)	(\$30,364)	2.87%

### Explanation of change

- \$30,364 increase in revenue due to proposed rate increase.

Table 10, Expenditure trend 2018 to 2020 (Wastewater Treatment)

Expenditures	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
Salary, wage & benefits	\$72,974	\$81,489	\$92,057	\$10,568	12.97%
Maintenance	\$78,800	\$89,000	\$60,000	(\$ 29,000)	(32.58%)
Utilities	\$105,000	\$150,000	\$150,000	\$0	0.00%
General Maintenance	\$768,252	\$736,044	\$784,840	\$48,797	6.63%
Total expenditures	\$1,025,026	\$1,056,533	\$1,086,897	\$30,364	2.87%

Explanation of change

- Increase in transfer to Reserve Funds due to decrease in operating costs
- Decrease in municipal liability insurance
- Decrease in equipment maintenance due to historical trend being lower than budget

**MUNICIPALITY OF BROCKTON  
BUDGET FOR WASTEWATER TREATMENT PLANT  
FOR THE YEAR 2020**

	ACCOUNT NUMBER 01-3140	2018	2019		2020	% Increase from 2019
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Wages	1200	44,409	19,645	63,312	70,939	12.05%
Wages - Public Works	1235	451	-	450	450	0.00%
Benefits	1240	13,350	6,588	17,570	20,511	16.74%
Benefits - Public Works	1244	-	-	158	158	0.00%
Clothing Allowance	1260	112	-	250	250	0.00%
Mileage	1270	-	-	-	-	0.00%
Training & Seminars	1271	-	(611)	3,200	3,200	0.00%
Longterm Debt Charge-Principal	1300	22,767	39,703	38,904	38,904	0.00%
Longterm Debt Charges-Interest	1301	7,808	12,439	13,620	13,620	0.00%
Supplies - Lab	1305	-	900	2,000	2,000	0.00%
Engineering Projects	1317	22,398	323	10,000	10,000	0.00%
Maintenance & Purchase - Equipment	1320	61,799	28,239	73,000	43,000	-41.10%
Maintenance - Building	1322	-	380	9,000	9,000	0.00%
Maintenance - Grounds	1325	6,471	4,739	5,000	6,000	20.00%
Maintenance - Vehicle	1330	961	-	1,000	1,000	0.00%
Maintenance - Health-Safety	1335	-	366	1,000	1,000	0.00%
Maintenance - Sewers	1337	2,658	6,950	-	-	0.00%
Postage	1340	5,245	2,233	6,000	6,000	0.00%
Service Agreements - Brewery Waste	1341	-	-	-	-	0.00%
Service Agreements	1344	363,911	343,825	414,800	428,000	3.18%
Telephone	1350	739	264	874	874	0.00%
Fuel	1358	457	60	1,800	1,800	0.00%
Utilities - Hydro	1360	37,381	62,057	45,000	45,000	0.00%
Utilities - Natural Gas	1365	49,905	37,147	60,000	60,000	0.00%
Utilities - Water	1366	43,475	46,671	45,000	45,000	0.00%
Insurance	1380	17,802	19,433	20,016	17,857	-10.79%
Sludge Handling	1385	39,062	3,912	40,000	40,000	0.00%
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	153,297	-	170,579	208,335	22.13%
Inter-Department Expense	1820	-	-	11,000	11,000	0.00%
<b>OPERATING EXPENDITURES</b>		<b>894,458</b>	<b>635,264</b>	<b>1,056,533</b>	<b>1,086,897</b>	<b>2.87%</b>
Subsidy	0125	-	-	-	-	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	150	3,919	-	-	0.00%
Agreements-Leachate	0194	-	38,046	11,550	11,550	0.00%
Meter Revenue	0255	988,051	919,620	1,039,483	1,069,847	2.92%
Unit Charges	0256	5,783	5,382	5,500	5,500	0.00%
<b>OPERATING REVENUE</b>		<b>993,984</b>	<b>966,967</b>	<b>1,056,533</b>	<b>1,086,897</b>	<b>2.87%</b>
<b>TOTAL OPERATING</b>		<b>(99,526)</b>	<b>(331,702)</b>	<b>0</b>	<b>-</b>	<b>-100.00%</b>

**MUNICIPALITY OF BROCKTON  
BUDGET FOR WASTEWATER TREATMENT PLANT  
FOR THE YEAR 2020**

CAPITAL PARTICULARS	ACCOUNT NUMBER 02-3140	2018	2019		2020	% Increase from 2019
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Capital - Purchases	1600	229,652	25,125	169,472	601,500	254.93%
Tran. to Reserve Fund	1720	-	-	-	-	0.00%
<b>CAPITAL EXPENDITURES</b>		<b>229,652</b>	<b>25,125</b>	<b>169,472</b>	<b>601,500</b>	<b>254.93%</b>
Ontario Grants	0126	192,641	-	-	-	0.00%
Longterm Borrowing	0129	450,000	-	-	-	0.00%
Trans. From Reserves Working Cap	0141	-	-	-	-	0.00%
Trans. from Reserve Fund	0142	-	-	169,472	601,500	254.93%
Trans. from Revenue Fund	0143	-	-	-	-	0.00%
Meter Revenue	0155	-	-	-	-	0.00%
Agreements	0190	-	-	-	-	0.00%
<b>CAPITAL REVENUE</b>		<b>642,641</b>	<b>-</b>	<b>169,472</b>	<b>601,500</b>	<b>254.93%</b>
<b>TOTAL CAPITAL</b>		<b>(412,989)</b>	<b>25,125</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>
<b>TOTAL SANITATION</b>		<b>(512,515)</b>	<b>(306,577)</b>	<b>0</b>	<b>-</b>	<b>-100.00%</b>

## Wastewater Collection

### Financial information

This budget represents 1.84 per cent increase over 2019.

Table 1, Revenue trend 2018 to 2020 (Wastewater Collection)

Revenue	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
User fees & service charges	(\$125,261)	(\$128,918)	(\$132,228)	(\$3,753)	2.92%
Grants & Reserve Funds	(\$63,853)	(\$75,603)	(\$75,603)	(\$0.000)	0.00%
Total revenue	(\$189,114)	(\$204,079)	(\$207,831)	(\$3,753)	1.84%

### Explanation of changes

- \$3,753 increase in revenue due to proposed rate increase.

Table 2, Expenditure trend 2017 to 2019 (Wastewater Collection)

Expenditures	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
Wages	\$14,950	\$15,703	\$15,787	\$85	0.54%
Maintenance	\$33,500	\$78,000	\$75,000	(\$3,000)	(3.85%)
General Expenses	\$138,664	\$110,376	\$117,044	\$6,668	6.04%
Total expenditures	\$189,114	\$194,482	\$194,482	\$3,753	1.84%

Explanation of changes

- Slight increase to service agreement with Veolia, as per the agreement



**MUNICIPALITY OF BROCKTON  
OPERATING BUDGET FOR WASTEWATER COLLECTION SYSTEM  
FOR THE YEAR 2020**

OPERATING PARTICULARS	ACCOUNT NUMBER 01-3141	2018	2019		2020	% Increase from 2019
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Wages - Sewers	1200	9,825	-	12,014	12,241	1.89%
Wages - Public Works-Sewers	1216				-	0.00%
Benefits - Sewers	1240	4,527	2,746	3,689	3,546	-3.88%
Benefits-Public Works-Sewers	1246				-	0.00%
Training & Seminars	1271	-	-	-	-	0.00%
Long-term Debt Charge	1300	26,627	36,371	46,480	46,480	0.00%
Long-term Debt Charge - Interest	1301	17,025	18,829	19,696	19,696	0.00%
Engineering Projects	1317	-	-	10,000	10,000	0.00%
Maintenance - Sewers	1337	52,616	38,868	78,000	75,000	-3.85%
Service Agreements - Veolia	1344	33,862	28,968	34,200	35,400	3.51%
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	-	-	-	5,468	100.00%
<b>OPERATING EXPENDITURES</b>		<b>144,482</b>	<b>125,781</b>	<b>204,079</b>	<b>207,831</b>	<b>1.84%</b>
Grants	0126	-	15,000	-	-	0.00%
Permits	0133	-	-	-	-	0.00%
Sewer Penalty-Collection System	0135	-	-	-	-	0.00%
Transfers from Reserve Fund	0142	32,997	-	-	75,603	100.00%
Recoveries	0145	260	-	75,603	-	-100.00%
Miscellaneous Revenue	0150	-	-	-	-	0.00%
Meter Revenue	0255	122,119	113,661	128,475	132,228	2.92%
Unit Charges	0256	-	-	-	-	0.00%
<b>OPERATING REVENUE</b>		<b>155,377</b>	<b>128,661</b>	<b>204,079</b>	<b>207,831</b>	<b>1.84%</b>
<b>TOTAL OPERATING</b>		<b>(10,895)</b>	<b>(2,880)</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>

**MUNICIPALITY OF BROCKTON**  
**CAPITAL BUDGET FOR WASTEWATER COLLECTION SYSTEM**  
**FOR THE YEAR 2019**

CAPITAL PARTICULARS	ACCOUNT NUMBER	2018	2019		2020	% Increase from 2019
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
Capital Purchases	1600	49,897	644	190,000	-	-50.00%
Capital Engineering	1601				95,000	0.00%
Reconstruction Gibson Street	1605	-	-	-	-	0.00%
Sanitary Sewers - N.C	1655	-	-	-	-	0.00%
Transfers to Reserve Fund	1720	-	-	-	-	0.00%
<b>CAPITAL EXPENDITURES</b>		<b>49,897</b>	<b>644</b>	<b>190,000</b>	<b>95,000</b>	<b>-50.00%</b>
Ontario Grants	0126	-	-	-	-	0.00%
Long-term Borrowing	0129	68,570	-	-	-	0.00%
Trans. from Reserve Fund	0142	-	-	190,000	95,000	-50.00%
Trans. from Revenue Fund	0143	-	-	-	-	0.00%
Meter Charges - Capital Levy	0155	-	-	-	-	0.00%
<b>CAPITAL REVENUE</b>		<b>68,570</b>	<b>-</b>	<b>190,000</b>	<b>95,000</b>	<b>-50.00%</b>
<b>TOTAL CAPITAL</b>		<b>(18,673)</b>	<b>644</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>
0% Decrease						
<b>TOTAL COLLECTION SYSTEM</b>		<b>(29,567)</b>	<b>(2,235)</b>	<b>-</b>	<b>-</b>	<b>0.00%</b>

## Budgeted Capital Projects – See Appendix A for project detail sheet

- New Gate at W/WTP
- Fence Repairs
- Gravel Roadway (New Gravel and Grading)
- Office Air Conditioner
- UV Disinfection System
- Building for UV Disinfection System (includes - utilities and security)
- McGivern Street Replacement - Sanitary Sewer
- Step Screen Overall
- Remove/ Replace Stuck Gates
- Backup Blowers
- Primary Digester Gas Flow Meter
- Sludge Holding Tank Mixer
- Final Clarifier 3 and 4 Pontoon Replacement
- Engineering of Ferric Tank Replacement
- Biogenerator Refurb
- Sealing of Lobies Park Manholes
- Inflow and Infiltration Study
- Booster Station - Walker West Estates
- North Water Tower Fence
- Water Meter Purchase
- Fire Hydrant Installation
- Lake Rosalind Well #3 Repair
- Water Quantity Report (SWP)
- Water Main - McGivern Street
- Chepstow Turbidity Analyzer
- Chepstow Surge Protection

## Ontario Building Code Administration

The Municipality's Building Services division authorizes all building construction and demolition in Brockton. The division is provincially mandated to administer and enforce the Ontario Building Code (OBC); provincial legislation requires staff to maintain certification to meet provincial standards, perform mandatory inspections, and issue permits within mandated time frames.

Building Services provides the following public services associated with the administration and enforcement of the OBC:

- Pre-permit consultation, plans examination, technical reviews and application processing.
- Issuance of permits within mandated time frames to ensure conformity to the OBC.
- On-site inspections to ensure conformity with approved permit drawings, specifications, the OBC and regulations.
- Response to all technical inquiries throughout building projects.
- Enforcement of OBC and initiation of legal proceedings as required.

These activities are completely funded by revenue generated from building permit and administration fees.

### 2020 initiatives

#### Our services

- Review permit and inspection processes to find efficiencies and enhancements.

#### Our people

- Continue education and training on new recruitment
- Encourage staff involvement in departmental initiatives to enhance work place culture and improve service delivery.

## Financial information

This budget represents a 13.31 per cent increase over 2019.

Table 12, Revenue trend 2018 to 2020 (OBCA)

Revenue	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
Licenses & permits	(\$155,000)	(\$155,000)	(\$178,250)	(\$23,250)	15.0%
Reserve Fund	(\$0)	(\$17,699)	(\$17,699)	\$0	0.00%
Internal recoveries	(\$1,397)	(\$2,000)	(\$2,000)	\$0	0.00%
<b>Total revenue</b>	<b>(\$156,397)</b>	<b>(\$174,699)</b>	<b>(\$197,949)</b>	<b>(\$23,250)</b>	<b>13.31%</b>

### Explanation of changes

- December 2019 increase in permit fees will lead to potential revenue increase.

Table 13, Expenditure trend 2018 to 2020 (OBCA)

Expenditure	2018 budget	2019 approved budget	2020 purposed budget	2020 budget change	2020 budget change
Wages	\$113,502	\$100,052	\$98,780	\$35,388	35.37%
Maintenance	\$808	\$1,300	\$1,300	\$0	0.00%
General Expenses	\$18,249	\$55,045	\$97,869	\$42,824	77.99%
<b>Total expenditure</b>	<b>\$132,559</b>	<b>\$156,397</b>	<b>\$197,949</b>	<b>\$18,302</b>	<b>13.31%</b>

## Explanation of changes

- In decrease in wages due to staffing changes partially offset by training and vacation coverage
- Increase in Reserve Fund transfer due to the decrease in operating costs and increase in fees.

**MUNICIPALITY OF BROCKTON  
OPERATING  
BUDGET FOR BUILDING  
2020**

PARTICULARS 01-3123	ACCOUNT NUMBER	2018	2019		2020	% Increase from PY
		ACTUAL	ACTUAL	BUDGETED	BUDGETED	
EXPENDITURES						
Wages	1200	79,115	89,995	102,829	81,818	-20.43%
Benefits	1240	24,688	27,447	32,611	15,962	-51.05%
Mileage	1270	-	-	-	-	0.00%
Training & Seminars	1271	2,541	4,691	5,000	30,000	500.00%
Memberships	1303	1,342	749	1,900	1,900	0.00%
Supplies	1305	316	3,337	4,000	4,000	0.00%
License & Permits	1308	-	-	-	-	0.00%
Legal Services	1310	-	1,564	10,000	10,000	0.00%
Payroll Service	1315	-	-	374	374	0.00%
Engineering Services	1317	-	-	-	-	0.00%
Maintenance - Vehicle	1330	972	789	1,300	1,300	0.00%
Service Agreements	1344	6,519	6,852	6,518	6,518	0.00%
Telephone	1350	620	306	2,017	2,017	0.00%
Fuel	1358	2,530	4,541	3,000	3,000	0.00%
Advertising	1370	-	1,207	-	-	0.00%
Insurance	1380	1,526	5,100	5,150	2,253	-56.25%
Transfers to Capital fund	1710	-	-	-	-	0.00%
Transfers to Reserve Fund	1720	17,634	-	-	38,807	100.00%
Operating Expenditures		137,802	146,578	174,699	197,949	13.31%
REVENUE						
Licenses & Permits	0133	135,834	169,559	155,000	178,250	15.00%
Transfer from Reserve Fund	0142	-	-	17,699	17,699	0.00%
Fines	0146	10	-	-	-	0.00%
Miscellaneous	0150	-	-	-	-	0.00%
Agreements	0190	-	-	-	-	0.00%
Employee Reimbursement	0199	1,958	2,620	2,000	2,000	0.00%
Applications	0241	-	-	-	-	0.00%
Operating Revenue		137,802	172,180	174,699	197,949	13.31%
Total Building Operating		-	(25,602)	0	(0)	0.00%

0% Increase/(Decrease)  
(\$1) Increase/(Decrease)

## Reserve funds: Building Services OBC stabilization

The Building Code Act allows municipalities to establish permit fees to cover the cost of administering and enforcing the Building Code Act, and make reasonable contributions to a reserve fund. The reserve fund can be used to offset periods of lower building and construction activity, make service enhancements and cover unexpected expenses.

The following chart describes the purpose of the reserve, the forecasted 2019 year-end balance.

Reserve Fund	Description	Balance as of December 2019
Protective Inspection/Building	Funds that may only be used to help stabilize slow years in terms of building activity and permit revenue	\$99,578



## Appendix A -Budgeted Capital Projects

MUNICIPALITY OF BROCKTON

2020 NON-TAX SUPPORTED CAPITAL BUDGET

Project #	Dept.	Project	Description	Estimated Cost	Reserve Fund	Deferred Revenue	Grants	Borrowing	2018 Tax Rate Carry over	Tax Rate Funded
2019 Carry Forward										
	Utilities - Water	Capital Engineering UV Disinfectant	Utilities Reserve Fund	40,000	40,000					
	Utilities - Wastewater Collection	Capital Engineering Road Reconstruction (Yonge St)	Utilities Reserve Fund	40,000	40,000					
			Total 2019 Carryforward	80,000	80,000	-	-	-	-	-
2020 Proposed Projects - High Priority										
	Utilities - WWTP	New Gate at WWTP	Utilities Reserve Fund	10,000	10,000					
	Utilities - WWTP	Fence Repairs	Utilities Reserve Fund	10,000	10,000					
	Utilities - WWTP	Gravel Roadway (New Gravel and Grading)	Utilities Reserve Fund	10,000	10,000					
	Utilities - WWTP	Office Air Conditioner	Utilities Reserve Fund	15,000	15,000					
	Utilities - WWTP	UV Disinfection System	Utilities Reserve Fund	150,000	150,000					
	Utilities - WWTP	Building for UV Disinfection System (includes - utilities and secur	Utilities Reserve Fund	40,000	40,000					
	Utilities - WWTP	McGivern Street Replacement - Sanitary Sewer	Utilities Reserve Fund	100,000	100,000					
	Utilities - WWTP	Step Screen Overall	Utilities Reserve Fund	10,000	10,000					
	Utilities - WWTP	Remove/ Replace Stuck Gates	Utilities Reserve Fund	6,000	6,000					
	Utilities - WWTP	Backup Blowers	Utilities Reserve Fund	45,000	45,000					
	Utilities - WWTP	Primary Digester Gas Flow Meter	Utilities Reserve Fund	8,000	8,000					
	Utilities - WWTP	Sludge Holding Tank Mixer	Utilities Reserve Fund	35,000	35,000					
	Utilities - WWTP	Final Clarifier 3 and 4 Pontoon Replacement	Utilities Reserve Fund	7,500	7,500					
	Utilities - WWTP	Engineering of Ferric Tank Replacement	Utilities Reserve Fund	30,000	30,000					
	Utilities - WWTP	Biogenerator Refurb	Utilities Reserve Fund	125,000	125,000					
	Utilities - Wastewater Collection	Sealing of Lobies Park Manholes	Utilities Reserve Fund	65,000	65,000					
	Utilities - Wastewater Collection	Inflow and Infiltration Study	Utilities Reserve Fund	30,000	30,000					
	Utilities - Water	Booster Station - Walker West Estates	Utilities Reserve Fund	750,000	750,000					
	Utilities - Water	North Water Tower Fence	Utilities Reserve Fund	5,000	5,000					
	Utilities - Water	Water Meter Purchase	Utilities Reserve Fund	18,000	18,000					
	Utilities - Water	Fire Hydrant Installation	Utilities Reserve Fund	25,000	25,000					
	Utilities - Water	Lake Rosalind Well #3 Repair	Utilities Reserve Fund	65,000	65,000					
	Utilities - Water	Water Quantity Report (SWP)	Utilities Reserve Fund	125,000	125,000					
	Utilities - Water	Water Main - McGivern Street	Utilities Reserve Fund	150,000	150,000					
	Utilities - Water	Chepstow Turbidity Analyzer	Utilities Reserve Fund	6,500	6,500					
	Utilities - Water	Chepstow Surge Protection	Utilities Reserve Fund	6,000	6,000					
			TOTALS FOR CAPITAL PROJECTS FOR 2020	1,847,000	1,847,000	0	0	0	0	0

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - Chepstow Surge Protection		
Year	2020		
Projected Cost	\$ 6,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Installation of a surge protection system - Chepstow.

### Justification of Project Need

A surge protection system is required to protect the security of the water treatment system during an electrical power surge

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - Chepstow Turbidity Analyzer		
Year	2020		
Projected Cost	\$ 6,500		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Replace the Turbidity Analyzer at the Chepstow water treatment facility

### Justification of Project Need

The Turbidity Analyzer is a necessary part of the water treatment system. It determines how 'dirty' the incoming water is which guides the kind and amount of treatment necessary. A new analyzer is necessary as this current one is older. Analyzers have a relatively short life expectancy as they are always in operation.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - Fire Hydrant Replacement and Installation		
Year	2020		
Projected Cost	\$ 25,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

New Fire Hydrants and Installation

### Justification of Project Need

The municipality has 3 fire hydrants to purchase and install in 2020

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Water Service - Lake Rosalind Well #3 Repair		
Year	2020		
Projected Cost	\$ 65,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Carry-over from 2019 - Well #3 Repair

### Justification of Project Need

Carry-over from 2019 - Extend Well Casing and repair hole in casing

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - Radio Read Water Meter Reader		
Year	2020		
Projected Cost	\$ 18,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

New Radio Read Water Meter Reader

### Justification of Project Need

The Municipality's current meter reader unit is not capable of reading the new radio read meters. The upgraded unit will ensure that meter reading continues to be seamless.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - North Water Tower Fence Repair (Security)		
Year	2020		
Projected Cost	\$ 5,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Security Fence around North Water Tower needs to be repaired in several places and has a broken entrance gate.

### Justification of Project Need

North Water Tower Facility requires security fence repairs and a new entrance gate. Facility also houses Emergency Services Radio System which is a public safety issue. It is important to have this facility secure.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - Walker West Booster Station		
Year	2020		
Projected Cost	\$ 800,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Walker West Booster Station

### Justification of Project Need

A Water Booster Station has been engineered in 2019 to deal with pressure zone issues and to make sure there is enough water pressure to the new subdivision. The EA process will be finalized in 2020. The Booster Station will need to be constructed in 2020.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Water Service - Water Main Installation on McGivern Street		
Year	2020		
Projected Cost	\$ 150,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Water Main Installation on McGivern Street

### Justification of Project Need

Road work is due for McGivern Street in 2020 and so is the installation of a new water main and sanitary Sewer main.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Water Service - Water Quantity Study (SWP)		
Year	2020		
Projected Cost	\$ 125,000		
Funding Source	02-3135-0142 - Utilities RF	Account #	02-3135-1600

### Project Description

Water Quantity Report/ Study for the Lake Rosalind, Chepstow, and Walkerton Wells

### Justification of Project Need

This report will give the Municipality an opportunity to address the Source Water Protection Plan concerns at Lake Rosalind. It will also give the Municipality some piece of mind in supporting future growth demands (housing, commercial, and industrial)

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Collection System - East Ridge Road Extension		
Year	2020		
Projected Cost	\$ 150.000		
Funding Source	02-3141-0142 - Utilities RF	Account #	02-3141-1600

### Project Description

East Ridge Road Extension

### Justification of Project Need

With the East Ridge Master Servicing Plan now approved by Council and the New Hospice to be built and additional Commercial and Industrial inquiries for East Ridge Business Park, plans need to be put in place to upgrade and ready the area for growth.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Collection System - Inflow and Infiltration Study		
Year	2020		
Projected Cost	\$ 30,000		
Funding Source	02-3141-0142 - Utilities RF	Account #	02-3141-1600

### Project Description

The Inflow and Infiltration Study will identify areas within the wastewater collection system that are in need of repair to cap off infiltration issues which lead to additional wastewater treatment.

### Justification of Project Need

Inflow and Infiltration can account for an additional 20% to 50%, depending on the time of year, of additional waste water treatment (additional chemical and physical treatment and wear and tear on equipment). We can use the 2019 zoom camera information to aid in this project. The report will help guide future capital asset planning.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Collection System - Sealing Lobies Park Manholes		
Year	2020		
Projected Cost	\$ 65,000		
Funding Source	02-3141-0142 - Utilities RF	Account #	02-3141-1600

### Project Description

Sealing Manholes within Lobies Park

### Justification of Project Need

During flooding events at Lobies Park, the Sanitary Sewer Manholes tend to accept a lot of rain water. Sealing those manholes, still being accessible when needed, will prevent the rain water from entering the wastewater collection system and then we won't have to treat the excessive water each spring.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Replace Backup Blowers		
Year	2020		
Projected Cost	\$ 45,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Backup blowers need to be replaced.

### Justification of Project Need

Blowers are needed to provide oxygen to the treatment system to feed the aerobic bacteria that eat the solids within the wastewater. Backup blowers are the fail safe when the primary blowers go off line for repairs/ maintenance. Sometimes the blowers are put through an alternating process so that we can extend the life expectancy of the motors. This backup system is an imperative failsafe.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Biogas Generator Refurbishment		
Year	2020		
Projected Cost	\$ 125,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

A major overhaul of the Biogas Generator Engine.

### Justification of Project Need

The Biogas Generator Engine needs a full overhaul. It runs constantly and although it has had routine maintenance, it is time, based on hours of service, to be fully overhauled.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Building A/C		
Year	2020		
Projected Cost	\$ 15,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

The office Air Conditioning Unit has failed. Replacement is needed

### Justification of Project Need

The office is also the control room where there are banks (2 full walls) of monitors, computers, and electrical transformers that are all giving off excessive amounts of heat. In the summer time, the extra heat is very hard on staff and the equipment. This is a health and safety issue.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Treatment Plant - Engineering of Ferric Tank Replacement		
Year	2020		
Projected Cost	\$ 30,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Engineering for Ferric Tank Replacement (tank, containment, piping, and building)

### Justification of Project Need

The Walkerton Pollution Control Plant uses Ferric Chloride for coagulation. It is very corrosive. A new tank, containment area, piping, and building to house the chemical is needed from both a functional and health and safety perspective. Engineering would happen in 2020 with the actual build to take place in 2021.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Final Clarifier 3 and 4 Pontoon Replacement		
Year	2020		
Projected Cost	\$ 7,500		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Replace Pontoons in Final Clarifier 3 and 4

### Justification of Project Need

Pontoons are used to float aerators on the surface of the clarifier. Pontoons get holes or get damaged due to weather and other maintenance activities and need to be replaced from time to time to make sure that the equipment that they are holding remains in the correct position.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Treatment Plant - Front Gates		
Year	2020		
Projected Cost	\$ 10,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Replace Front Gates - Security

### Justification of Project Need

Front Gates need to be replaced. Gates are old and falling apart. Gates are left open when staff are there, however for security reasons, they need to be closed.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Gravel Driveway within Compound		
Year	2020		
Projected Cost	\$ 10,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Gravel driveway grading and gravel replacement within WWTP Compound

### Justification of Project Need

The gravel driveway portion, within the compound, is severely degraded due to large truck travel. The driveway needs to be regraded and gravel replaced.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Treatment Plant - Perimeter Fence Repairs		
Year	2020		
Projected Cost	\$ 10,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Perimeter Fence Repairs- Security

### Justification of Project Need

The Perimeter Fence needs to be repaired in a number of places. There are areas that have completely fallen down.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Primary Digester Gas Flow Meter		
Year	2020		
Projected Cost	\$ 8,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Replace older Primary Digester Gas Flow Meter

### Justification of Project Need

The Primary Digester Gas Flow Meter is an instrument that measures a number of parameters that the Operator needs to monitor in order to maximize the efficiency of the treatment of the wastewater.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Treatment Plant - Replace Stuck Gates		
Year	2020		
Projected Cost	\$ 6,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Flow control gates in and around primary clarify are stuck/ corroded and need to be replaced.

### Justification of Project Need

Flow control gates act like 'valves' throughout the Waste Water Treatment Plant. As such they all need to function properly. There are 3 or 4 sets of gates that need to be removed and replaced so that staff can control flow more easily.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



**Municipality of Brockton  
Capital Projects**

Department	Utilities		
Project	Waste Water Treatment Plant - Sludge Holding Tank Mixer		
Year	2020		
Projected Cost	\$ 35,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Replace Sludge Holding Tank Mixer

### Justification of Project Need

The Sludge Holding Tank Mixer keeps the sludge in a more liquid form so that the wastewater to be treated flows through the wastewater treatment system easier (pipes and troughs). It gets 'gummed-up' and corroded given the environment it works in. It needs to be replaced on a regular basis.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Treatment Plant - Step Screen Overhaul		
Year	2020		
Projected Cost	\$ 10,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

The step screen system needs to be overhauled - primary removal of large debris

### Justification of Project Need

The Step Screen is the primary removal of larger debris that is collected in the Waste Water Treatment System. This debris needs to be removed so that these items do not end up going through and clogging up pipes and pumps within the Waste Water Treatment Plant system.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
Total	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

## Municipality of Brockton Capital Projects

Department	Utilities		
Project	Waste Water Treatment Plant - UV Disinfection System Building		
Year	2020		
Projected Cost	\$ 40,000		
Funding Source	02-3140-0142 - Utilities RF	Account #	02-3140-1600

### Project Description

Building to house new UV Disinfection System

### Justification of Project Need

The new UV Disinfection System needs to be housed in its own building in order to keep the system, its monitors, and supplies from inclement weather. Staff also need a place to do maintenance and replace bulbs that is clean.

### Future Operation Costs

Description	2019	2020	2021	2022	2023
<b>Total</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00



AVERAGE INCREASE WOULD BE APP 3.0% ON A BILL

# WATER - 2020

Flat Rate increase \$8.25  
\$ 0.04

2020			Input % here	2019		
Water Rates	Per 30 Days	Annual Rate	% Increase	Water Rates	Per 30 Days	Annual Rate
Flat Rate	17.50	214.53	3.00000%	Flat Rate	17.09068	208.28000
Consumption	1.3441		3.00000%	Consumption	1.30491	
after 292/mth	1.10		3.00000%	after 292/mth	1.07151	
after 1.400/mth	0.94				0.91078	

Must input opening figures

## WATER FLAT RATES

Walkerton	Size	Flat Rate	2019	2020	Annual Flat Rate
Residential	3/4"	\$ 215	2042	438,066.99	
Res- Flat No Mtrs	FLAT	\$ 676	7	4,730.35	
Commercial	3/4"	\$ 243	2	486.55	
Commercial	3/4" X 5/8"	\$ 215	23	4,934.15	
Res/Commercial	1"	\$ 300	68	20,423.10	
Commercial	1.5"	\$ 386	12	4,633.81	
Commercial	2.0"	\$ 544	27	17,376.80	
Comm-Subtr-Parent	2.0"	\$ 644	2	1,287.17	
Commercial	3.0"	\$ 3,003	1	3,003.40	
Commercial	4.0"	\$ 4,505	2	9,010.19	
Commercial	6.0"	\$ 6,436	1	6,435.85	

## WATER CONSUMPTION

		First 3550	Balance	2018 Consumption	Consumption @	Cost @	Consumption @	Cost @	Consumption @	Cost @	TOTALS	2018
Walkerton		2187	\$10,388.36	457,151	303,134	407,428.53	1.10	0.94	0.84	0.84	1,106,650.70	1,081,513.93
Lake Rosalind												
Residential	3/4" X 5/8"	215	62	13,300.76	1.34	1.10	6808	9,150.32	50,102	55,295.29	77,746.37	16,075.92
Chepstow												
Residential	3/4" X 5/8"	215	24	5,149.68	1.34	1.10	3105	4,173.29			9,321.97	11,862.36
TOTAL ALL 3		2273	528,638	467,064	412,402	587,814	50,102	185,866	4,875		1,193,719.04	1,081,513.93

UPDATE WITH PREVIOUS YEARS RATES FIRST-WATER AND SEWER			
WATER RATES	2020 Annual Rates	Annual Rate	Times the Residential
Residential	3/4"	2,018.00	1%
Res Flat/No Meter	FLAT	656.00	3.15%
Commercial	3/4"	236.00	1.13%
Commercial	3/4" X 5/8"	208.00	1.00%
Res/Commercial	1"	292.00	1.40%
Commercial	1.5"	375.00	1.80%
Commercial	2.0"	625.00	3.00%
Commercial	3.0"	2,815.00	14.00%
Commercial	4.0"	4,373.00	21.00%
Commercial	6.0"	6,247.00	30.00%

Total Revenue 2018	Budget	1,158,865.23
Proposed Inc 2019	Budget	1,193,719.04
Difference		34,853.81
Percentage Increase		3.0076%

Percentage Increase

Water Rate required to meet expenditures-current budget

(0.00)

2020  
Using Calculated Costs  
2017 Total Calc.  
Increase/Decrease  
2017 Total Calc.

Percentage  
Plus/Minus  
1,193,719.04  
112,205.11  
1,081,513.93

**SEWAGE - 2020**

Flat Rate increase: \$6.56 the sewage rate is 1.26097 percent of the Water rate

2020			Input % here	2019		
Water Rates	Per 30 Days	Annual Rate	% increase	Water Rates	Per 30 Days	Annual Rate
Flat Rate	17.96	238.10		Flat Rate	17.45603	231,54540
Consumption	1.40		3.0000%	Consumption	1.35795	
after 282/mth	1.15		3.0000%	after 282/mth	1.11395	
after 1,400/mth	0.98			after 1,400/mth	0.94685	

Must input opening figures.

**SEWER FLAT RATES**

Walkerton	Size	Flat Rate	2019 Users	Annual Flat Rate
Residential	3/4"	238	2042	486,203.80
Res- Flat No Mtr	FLAT	750	7	5,250.14
Commercial	3/4"	270	2	540.01
Commercial	3/4" X 5/8"	238	19	4,523.93
Res/Commercial	1"	333	68	22,667.28
Commercial	1.5"	429	12	5,143.00
Commercial	2.0"	714	25	17,857.63
Commercial	3.0"	3,333	1	3,333.42
Commercial	4.0"	5,000	2	10,000.27
Commercial	6.0"	7,143	1	7,143.05
<b>Walkerton</b>			<b>2179</b>	<b>562,862.56</b>

**SEWER CONSUMPTION**

First 3550	Balance	2019 Consumption	Consumption 1.40	Cost @ 1.40	Consumption @ 1.15	Cost @ 1.15	TOTALS 2020	Budget Totals 2019
1.40	1.15	303,134	303,134	423,991	-	-	810,194.46	804,188.79
							5,250.14	5,250.14
							1,281.32	1,281.32
							46,340.59	38,323.10
							78,062.43	84,888.86
							16,368.28	15,201.45
							117,637.42	91,170.85
							3,655.12	3,125.44
							15,063.60	17,824.30
							7,192.01	8,903.80
							1,202,075.35	1,045,279.75
							<b>1,202,075.35</b>	<b>1,045,279.75</b>

SEWER RATES		2020 Annual Rates	Annual Rate	Times the Residential
Residential	3/4"		323.00	1%
Res Flat/No Meter	FLAT		728.00	3.15%
Commercial	3/4"		263.00	1.13%
Commercial	3/4" X 5/8"		232.00	1.00%
Res/Commercial	1"		324.00	1.40%
Commercial	1.5"		417.00	1.80%
Commercial	2.0"		695.00	3.00%
Commercial	3.0"		3,242.00	14.00%
Commercial	4.0"		4,862.00	21.00%
Commercial	6.0"		6,946.00	30.00%

<b>Total Revenue 2018</b>	<b>Budget</b>	<b>1,167,958.22</b>
<b>Proposed Inc 2019</b>	<b>Budget</b>	<b>1,202,075.35</b>
<b>Difference</b>		<b>34,117.13</b>
<b>Percentage Increase</b>		<b>2.9211%</b>

Percentage Increase

Sewage Rate required to meet expenditures-current budget

(0)

 2017 Total Calc.  
 Increase/Decrease  
 2017 Total Calc.

 1,202,075.35  
 156,795.60  
 1,045,279.75  
 Percentage Plus Minus

## UPDATE BUDGET CELLS FOR THIS

Treatment Plant % Meter Revenue	89.00%
Collection System % Meter Revenue	11.00%
	100.00%

