

2019 CITY OF CAMBRIDGE

# BUDGET

KNOW YOUR CITY.

KNOW

THE

NUMBERS.

2019 Budget Details - Water Utility

---



[cambridge.ca/budget](http://cambridge.ca/budget)

## Budget Details

### Water Utility Operating Budget Details

Department	2018 Budget Restated	2018 Forecast	2019 Base Budget	% Over (Under) 2018	2019 Growth	2019 Op Imp Fm Capital	2019 One-Time	2019 Total Budget	% Over (Under) 2018
<b>Expenses</b>									
Water	\$34,693,900	\$34,677,900	\$35,560,700	2.50%		\$324,000		\$35,884,700	3.43%
Sewer	\$30,358,100	\$28,306,100	\$31,528,700	3.86%		\$84,600		\$31,613,300	4.13%
<b>Total EXPENSES</b>	<b>\$65,052,000</b>	<b>\$62,984,000</b>	<b>\$67,089,400</b>	<b>3.13%</b>		<b>\$408,600</b>		<b>\$67,498,000</b>	<b>3.76%</b>
<b>Revenue</b>									
Water	(\$34,693,900)	(\$34,677,900)	(\$35,712,700)	2.94%		(\$172,000)		(\$35,884,700)	3.43%
Sewer	(\$30,358,100)	(\$29,058,100)	(\$31,414,700)	3.48%		(\$198,600)		(\$31,613,300)	4.13%
<b>Total REVENUES</b>	<b>(\$65,052,000)</b>	<b>(\$63,736,000)</b>	<b>(\$67,127,400)</b>	<b>3.19%</b>		<b>(\$370,600)</b>		<b>(\$67,498,000)</b>	<b>3.76%</b>
<b>Net Expenditure</b>		<b>(\$1,504,000)</b>	<b>(\$76,000)</b>			<b>\$76,000</b>			

Department	2018 Budget Restated	2018 Forecast	2019 Total Budget	% Over (Under) 2018	2020 Total Budget	% Over (Under) 2019	2021 Total Budget	% Over (Under) 2020	2022 Total Budget	% Over (Under) 2021
<b>Expenses</b>										
Water	\$34,693,900	\$34,677,900	\$35,884,700	3.43%	\$38,116,700	6.22%	\$38,652,600	1.41%	38,772,000	0.31%
Sewer	\$30,358,100	\$28,306,100	\$31,613,300	4.13%	\$33,255,400	5.19%	\$34,634,500	4.15%	35,963,100	3.84%
<b>Total EXPENSES</b>	<b>\$65,052,000</b>	<b>\$62,984,000</b>	<b>\$67,498,000</b>	<b>3.76%</b>	<b>\$71,372,100</b>	<b>5.74%</b>	<b>\$73,287,100</b>	<b>2.68%</b>	<b>74,735,100</b>	<b>1.98%</b>
<b>Revenue</b>										
Water	(\$34,693,900)	(\$34,677,900)	(\$35,884,700)	3.43%	(\$38,116,700)	6.22%	(\$38,652,600)	1.41%	(\$38,772,000)	0.31%
Sewer	(\$30,358,100)	(\$29,058,100)	(\$31,613,300)	4.13%	(\$33,255,400)	5.19%	(\$34,634,500)	4.15%	(\$35,963,100)	3.84%
<b>Total REVENUES</b>	<b>(\$65,052,000)</b>	<b>(\$63,736,000)</b>	<b>(\$67,498,000)</b>	<b>3.76%</b>	<b>(\$71,372,100)</b>	<b>5.74%</b>	<b>(\$73,287,100)</b>	<b>2.68%</b>	<b>(\$74,735,100)</b>	<b>1.98%</b>
<b>Net Expenditure</b>		<b>(\$1,504,000)</b>								

## Budget Details

---

### Water Utility Operating Budget Details

---

	2018 FTE Full Time Restated	2018 FTE Part Time Restated	2019 Base Adj Full Time	2019 Base Adj Part Time	2019 Growth Capital Impact Full Time	2019 Growth Capital Impact Part Time	2019 Total FTE Full Time	2019 Total FTE Part Time
<b>Water</b>								
Water & Sewer billing	2.30	1.71			1.00		3.30	1.71
Water Overhead	3.22	4.53	1.00				4.22	4.53
Water General / Admin	19.55	0.37					19.55	0.37
Watermain Maintenance	4.22						4.22	
Water Connection Maintenance	12.08						12.08	
Water Hydrants Maintenance	2.11						2.11	
Water Locate Services	2.17						2.17	
Water Meter Management	1.20						1.20	
<b>Total Water</b>	<b>46.85</b>	<b>6.61</b>	<b>1.00</b>		<b>1.00</b>		<b>48.85</b>	<b>6.61</b>
<b>Sewer</b>								
Sewer Overhead	9.22		(2.00)				7.22	
Sewer General/Admin	14.45	0.12					14.45	0.12
Sewer Line Maintenance	8.02						8.02	
Sewer Manhole Maintenance	3.11						3.11	
Sewer Lateral Maintenance	2.53						2.53	
Sewer Locate Services	0.56						0.56	
Sewer Pumping Stations	4.56						4.56	
<b>Total Sewer</b>	<b>42.45</b>	<b>0.12</b>	<b>(2.00)</b>				<b>40.45</b>	<b>0.12</b>
<b>Total City of Cambridge Water &amp; Sewer</b>	<b>89.30</b>	<b>6.73</b>	<b>(1.00)</b>		<b>1.00</b>		<b>89.30</b>	<b>6.73</b>

## Budget Details

### Water Utility Operating Budget Details

	2018 Forecast	2018 Total Budget	2019 Base Budget	% Change Over 2018 Budget	2019 Growth	2019 Capital Impact	2019 One Time	2019 Total Budget	% Change Over 2018 Budget
<b>Water</b>									
<b>101340 Water &amp; Sewer billing</b>									
EXPENSES									
Salaries & Benefits				0.00%					0.00%
Materials & Supplies	344,700	359,200	359,900	0.19%		153,100		513,000	42.82%
Contract Services	208,900	194,400	194,400	0.00%		41,400		235,800	21.30%
Internal Recoveries	(53,500)	(53,500)	(23,400)	(56.26%)		(56,300)		(79,700)	48.97%
<b>Total EXPENSES</b>	<b>500,100</b>	<b>500,100</b>	<b>530,900</b>	<b>6.16%</b>		<b>138,200</b>		<b>669,100</b>	<b>33.79%</b>
REVENUES									
User Fees & Charges	(64,700)	(103,200)	(57,200)	(44.57%)				(57,200)	(44.57%)
Fines, Penalties & Interest	(147,000)	(175,000)	(163,000)	(6.86%)				(163,000)	(6.86%)
<b>Total REVENUES</b>	<b>(211,700)</b>	<b>(278,200)</b>	<b>(220,200)</b>	<b>(20.85%)</b>				<b>(220,200)</b>	<b>(20.85%)</b>
<b>101430 Water Overhead</b>									
EXPENSES									
Salaries & Benefits	713,500	713,500	793,500	11.21%				793,500	11.21%
Materials & Supplies	50,000	101,600	21,600	(78.74%)				21,600	(78.74%)
Contract Services				0.00%					0.00%
<b>Total EXPENSES</b>	<b>763,500</b>	<b>815,100</b>	<b>815,100</b>	<b>0.00%</b>				<b>815,100</b>	<b>0.00%</b>
<b>101720 Water General / Admin</b>									
EXPENSES									
Salaries & Benefits	642,200	642,200	662,100	3.10%				662,100	3.10%
Materials & Supplies	263,500	293,500	302,000	2.90%		21,900		323,900	10.36%
Utilities	3,600	3,600	3,800	5.56%				3,800	5.56%
Contract Services	16,694,300	16,594,300	16,876,300	1.70%		(133,300)		16,743,000	0.90%

## Budget Details

### Water Utility Operating Budget Details

	2018 Forecast	2018 Total Budget	2019 Base Budget	% Change Over 2018 Budget	2019 Growth	2019 Capital Impact	2019 One Time	2019 Total Budget	% Change Over 2018 Budget
Rents & Financial Expenses	27,300	27,300	27,300	0.00%				27,300	0.00%
Debt Charges	988,100	988,100	927,700	(6.11%)		289,500		1,217,200	23.19%
Fund Transfers	6,398,400	6,398,400	7,362,300	15.06%				7,362,300	15.06%
Internal Recoveries	2,124,900	2,124,900	2,095,600	(1.38%)				2,095,600	(1.38%)
<b>Total EXPENSES</b>	<b>27,142,300</b>	<b>27,072,300</b>	<b>28,257,100</b>	<b>4.38%</b>		<b>178,100</b>		<b>28,435,200</b>	<b>5.03%</b>
REVENUES									
User Fees & Charges	(33,130,200)	(33,730,200)	(34,799,200)	3.17%		(24,300)		(34,823,500)	3.24%
Fund Transfers	(315,200)	(315,200)	(323,000)	2.47%		(147,700)		(470,700)	49.33%
<b>Total REVENUES</b>	<b>(33,445,400)</b>	<b>(34,045,400)</b>	<b>(35,122,200)</b>	<b>3.16%</b>		<b>(172,000)</b>		<b>(35,294,200)</b>	<b>3.67%</b>
<b>101730 Watermain Maintenance</b>									
EXPENSES									
Salaries & Benefits	499,400	499,400	501,000	0.32%				501,000	0.32%
Materials & Supplies	987,100	1,037,100	926,500	(10.66%)				926,500	(10.66%)
<b>Total EXPENSES</b>	<b>1,486,500</b>	<b>1,536,500</b>	<b>1,427,500</b>	<b>(7.09%)</b>				<b>1,427,500</b>	<b>(7.09%)</b>
REVENUES									
User Fees & Charges	(173,800)	(173,800)	(173,800)	0.00%				(173,800)	0.00%
<b>Total REVENUES</b>	<b>(173,800)</b>	<b>(173,800)</b>	<b>(173,800)</b>	<b>0.00%</b>				<b>(173,800)</b>	<b>0.00%</b>
<b>101740 Water Connection Maintenance</b>									
EXPENSES									
Salaries & Benefits	1,303,800	1,305,600	1,305,600	0.00%				1,305,600	0.00%
Materials & Supplies	1,545,900	2,141,300	1,901,500	(11.20%)				1,901,500	(11.20%)
<b>Total EXPENSES</b>	<b>2,849,700</b>	<b>3,446,900</b>	<b>3,207,100</b>	<b>(6.96%)</b>				<b>3,207,100</b>	<b>(6.96%)</b>
<b>101750 Water Hydrants Maintenance</b>									

## Budget Details

### Water Utility Operating Budget Details

	2018 Forecast	2018 Total Budget	2019 Base Budget	% Change Over 2018 Budget	2019 Growth	2019 Capital Impact	2019 One Time	2019 Total Budget	% Change Over 2018 Budget
<b>EXPENSES</b>									
Salaries & Benefits	201,400	201,400	201,400	0.00%				201,400	0.00%
Materials & Supplies	232,700	382,200	382,200	0.00%				382,200	0.00%
<b>Total EXPENSES</b>	<b>434,100</b>	<b>583,600</b>	<b>583,600</b>	<b>0.00%</b>				<b>583,600</b>	<b>0.00%</b>
<b>101760 Water Locate Services</b>									
<b>EXPENSES</b>									
Salaries & Benefits	275,000	210,600	210,600	0.00%				210,600	0.00%
Materials & Supplies	82,700	87,700	87,700	0.00%				87,700	0.00%
<b>Total EXPENSES</b>	<b>357,700</b>	<b>298,300</b>	<b>298,300</b>	<b>0.00%</b>				<b>298,300</b>	<b>0.00%</b>
<b>101770 Water Meter Management</b>									
<b>EXPENSES</b>									
Salaries & Benefits	132,500	119,000	119,000	0.00%				119,000	0.00%
Materials & Supplies	135,000	125,600	125,600	0.00%		7,700		133,300	6.13%
<b>Total EXPENSES</b>	<b>267,500</b>	<b>244,600</b>	<b>244,600</b>	<b>0.00%</b>		<b>7,700</b>		<b>252,300</b>	<b>3.15%</b>
<b>101780 Water Regional Work Orders</b>									
<b>EXPENSES</b>									
Materials & Supplies	196,500	196,500	196,500	0.00%				196,500	0.00%
<b>Total EXPENSES</b>	<b>196,500</b>	<b>196,500</b>	<b>196,500</b>	<b>0.00%</b>				<b>196,500</b>	<b>0.00%</b>
<b>REVENUES</b>									
User Fees & Charges	(196,500)	(196,500)	(196,500)	0.00%				(196,500)	0.00%
<b>Total REVENUES</b>	<b>(196,500)</b>	<b>(196,500)</b>	<b>(196,500)</b>	<b>0.00%</b>				<b>(196,500)</b>	<b>0.00%</b>
<b>Total Water</b>	<b>(\$29,500)</b>		<b>(\$152,000)</b>			<b>\$152,000</b>			

## Budget Details

### Water Utility Operating Budget Details

	2018 Forecast	2018 Total Budget	2019 Base Budget	% Change Over 2018 Budget	2019 Growth	2019 Capital Impact	2019 One Time	2019 Total Budget	% Change Over 2018 Budget
<b>Sewer</b>									
<b>101440 Sewer Overhead</b>									
EXPENSES									
Salaries & Benefits	503,900	423,900	503,900	18.87%				503,900	18.87%
Materials & Supplies	21,600	101,600	21,600	(78.74%)				21,600	(78.74%)
Contract Services				0.00%					0.00%
<b>Total EXPENSES</b>	<b>525,500</b>	<b>525,500</b>	<b>525,500</b>	<b>0.00%</b>				<b>525,500</b>	<b>0.00%</b>
<b>101790 Sewer General/Admin</b>									
EXPENSES									
Salaries & Benefits	451,100	451,100	429,300	(4.83%)				429,300	(4.83%)
Materials & Supplies	308,700	162,400	171,400	5.54%				171,400	5.54%
Utilities	235,500	179,900	191,600	6.50%		8,000		199,600	10.95%
Contract Services	18,300,000	20,537,900	21,356,800	3.99%		(381,200)		20,975,600	2.13%
Rents & Financial Expenses	88,300	88,300	112,000	26.84%				112,000	26.84%
Debt Charges				0.00%		289,500		289,500	0.00%
Fund Transfers	3,147,700	3,147,700	3,536,500	12.35%				3,536,500	12.35%
Internal Recoveries	2,494,000	2,494,000	2,484,300	(0.39%)		138,300		2,622,600	5.16%
<b>Total EXPENSES</b>	<b>25,025,300</b>	<b>27,061,300</b>	<b>28,281,900</b>	<b>4.51%</b>		<b>54,600</b>		<b>28,336,500</b>	<b>4.71%</b>
REVENUES									
User Fees & Charges	(28,866,800)	(30,166,800)	(31,223,400)	3.50%		(24,300)		(31,247,700)	3.58%
Fund Transfers				0.00%		(174,300)		(174,300)	0.00%
<b>Total REVENUES</b>	<b>(28,866,800)</b>	<b>(30,166,800)</b>	<b>(31,223,400)</b>	<b>3.50%</b>		<b>(198,600)</b>		<b>(31,422,000)</b>	<b>4.16%</b>
<b>101800 Sewer Line Maintenance</b>									
EXPENSES									

## Budget Details

### Water Utility Operating Budget Details

	2018 Forecast	2018 Total Budget	2019 Base Budget	% Change Over 2018 Budget	2019 Growth	2019 Capital Impact	2019 One Time	2019 Total Budget	% Change Over 2018 Budget
Salaries & Benefits	289,300	498,600	552,300	10.77%				552,300	10.77%
Materials & Supplies	485,000	327,900	327,900	0.00%				327,900	0.00%
<b>Total EXPENSES</b>	<b>774,300</b>	<b>826,500</b>	<b>880,200</b>	<b>6.50%</b>				<b>880,200</b>	<b>6.50%</b>
<b>REVENUES</b>									
User Fees & Charges	(191,300)	(191,300)	(191,300)	0.00%				(191,300)	0.00%
<b>Total REVENUES</b>	<b>(191,300)</b>	<b>(191,300)</b>	<b>(191,300)</b>	<b>0.00%</b>				<b>(191,300)</b>	<b>0.00%</b>
<b>101810 Sewer Manhole Maintenance</b>									
<b>EXPENSES</b>									
Salaries & Benefits	331,100	201,100	205,000	1.94%				205,000	1.94%
Materials & Supplies	235,000	208,000	208,000	0.00%				208,000	0.00%
<b>Total EXPENSES</b>	<b>566,100</b>	<b>409,100</b>	<b>413,000</b>	<b>0.95%</b>				<b>413,000</b>	<b>0.95%</b>
<b>101820 Sewer Lateral Maintenance</b>									
<b>EXPENSES</b>									
Salaries & Benefits	212,000	268,600	210,500	(21.63%)				210,500	(21.63%)
Materials & Supplies	580,000	409,300	409,300	0.00%				409,300	0.00%
Contract Services	35,000	115,200	115,200	0.00%				115,200	0.00%
<b>Total EXPENSES</b>	<b>827,000</b>	<b>793,100</b>	<b>735,000</b>	<b>(7.33%)</b>				<b>735,000</b>	<b>(7.33%)</b>
<b>101830 Sewer Locate Services</b>									
<b>EXPENSES</b>									
Salaries & Benefits	33,700	33,300	33,400	0.30%				33,400	0.30%
Materials & Supplies	30,700	31,100	31,100	0.00%				31,100	0.00%
<b>Total EXPENSES</b>	<b>64,400</b>	<b>64,400</b>	<b>64,500</b>	<b>0.16%</b>				<b>64,500</b>	<b>0.16%</b>

	2018 Forecast	2018 Total Budget	2019 Base Budget	% Change Over 2018 Budget	2019 Growth	2019 Capital Impact	2019 One Time	2019 Total Budget	% Change Over 2018 Budget
<b>101840 Sewer Pumping Stations</b>									
<b>EXPENSES</b>									
Salaries & Benefits	293,500	284,800	285,200	0.14%				285,200	0.14%
Materials & Supplies	230,000	393,400	343,400	(12.71%)		30,000		373,400	(5.08%)
<b>Total EXPENSES</b>	<b>523,500</b>	<b>678,200</b>	<b>628,600</b>	<b>(7.31%)</b>		<b>30,000</b>		<b>658,600</b>	<b>(2.89%)</b>
<b>Total Sewer</b>	<b>(\$752,000)</b>		<b>\$114,000</b>			<b>(\$114,000)</b>			