

2019 CITY OF CAMBRIDGE

BUDGET

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2019 Draft Budget Details - Water Utility



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Budget Details

Water Utility Operating Budget Details

Department	2018 Budget	2018 Forecast	2019 Base Budget	% Over (Under) 2018	2019 Growth	2019 Op Imp Fm Capital	2019 One-Time	2019 Total Budget	% Over (Under) 2018
Expenses									
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%
Total EXPENSES	\$65,052,000	\$62,984,000	\$67,089,400	3.13%	\$0	\$408,600	\$0	\$67,498,000	3.76%
Revenue									
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%
Total REVENUES	(\$65,052,000)	(\$63,736,000)	(\$67,127,400)	3.19%		(\$370,600)	\$0	(\$67,498,000)	3.76%
Net Expenditure	\$0	(\$1,504,000)	(\$76,000)	#DIV/0!	\$0	\$76,000	\$0	\$0	

Department	2018 Budget	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
Expenses										
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%
Total EXPENSES	\$65,052,000	\$62,984,000	\$67,498,000	3.76%	\$71,372,100	5.74%	\$73,287,100	2.68%	74,735,100	1.98%
Revenue										
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%
Total REVENUES	(\$65,052,000)	(\$63,736,000)	(\$67,498,000)	3.76%	(\$71,372,100)	5.74%	(\$73,287,100)	2.68%	(\$74,735,100)	1.98%
Net Expenditure	\$0	(\$1,504,000)	\$0		\$0		\$0		0	

Budget Details

Water Utility Operating Budget Details

	2018 FTE Full Time	2018 FTE Part Time	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
Water								
101340 Water & Sewer billing	2.30	1.71			1.00		3.30	1.71
101430 Water Overhead	3.22	4.53	1.00				4.22	4.53
101720 Water General / Admin	19.55	0.37					19.55	0.37
101730 Watermain Maintenance	4.22						4.22	
101740 Water Connection Maintenance	12.08						12.08	
101750 Water Hydrants Maintenance	2.11						2.11	
101760 Water Locate Services	2.17						2.17	
101770 Water Meter Management	1.20						1.20	
Total Water	46.85	6.61	1.00	0.00	1.00		48.85	6.61
Sewer								
101440 Sewer Overhead	9.22		(2.00)				7.22	
101790 Sewer General/Admin	14.45	0.12					14.45	0.12
101800 Sewer Line Maintenance	8.02						8.02	
101810 Sewer Manhole Maintenance	3.11						3.11	
101820 Sewer Lateral Maintenance	2.53						2.53	
101830 Sewer Locate Services	0.56						0.56	
101840 Sewer Pumping Stations	4.56						4.56	
Total Sewer	42.45	0.12	(2.00)	0.00	0.00		40.45	0.12
Total City of Cambridge Water Utility	89.30	6.73	(1.00)	0.00	1.00		89.30	6.73

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
Water									
101340 Water & Sewer billing									
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%
Total EXPENSES	500,100	500,100	530,900	6.16%		138,200		669,100	33.79%
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%)
Total REVENUES	(211,700)	(278,200)	(220,200)	(20.85%)				(220,200)	(20.85%)
101430 Water Overhead									
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%
Total EXPENSES	763,500	815,100	815,100	0.00%				815,100	0.00%
101720 Water General / Admin									
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%

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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%)
Total EXPENSES	27,142,300	27,072,300	28,257,100	4.38%		178,100		28,435,200	5.03%
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%
Total REVENUES	(33,445,400)	(34,045,400)	(35,122,200)	3.16%		(172,000)		(35,294,200)	3.67%
101730 Watermain Maintenance									
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%)
Total EXPENSES	1,486,500	1,536,500	1,427,500	(7.09%)				1,427,500	(7.09%)
REVENUES									
User Fees & Charges	(173,800)	(173,800)	(173,800)	0.00%				(173,800)	0.00%
Total REVENUES	(173,800)	(173,800)	(173,800)	0.00%				(173,800)	0.00%
101740 Water Connection Maintenance									
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%)
Total EXPENSES	2,849,700	3,446,900	3,207,100	(6.96%)				3,207,100	(6.96%)
101750 Water Hydrants Maintenance									

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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
EXPENSES									
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%
Total EXPENSES	434,100	583,600	583,600	0.00%				583,600	0.00%
101760 Water Locate Services									
EXPENSES									
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%
Total EXPENSES	357,700	298,300	298,300	0.00%				298,300	0.00%
101770 Water Meter Management									
EXPENSES									
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%
Total EXPENSES	267,500	244,600	244,600	0.00%		7,700		252,300	3.15%
101780 Water Regional Work Orders									
EXPENSES									
Materials & Supplies	196,500	196,500	196,500	0.00%				196,500	0.00%
Total EXPENSES	196,500	196,500	196,500	0.00%				196,500	0.00%
REVENUES									
User Fees & Charges	(196,500)	(196,500)	(196,500)	0.00%				(196,500)	0.00%
Total REVENUES	(196,500)	(196,500)	(196,500)	0.00%				(196,500)	0.00%
Total Water	(\$29,500)		(\$152,000)			\$152,000			

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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
Sewer									
101440 Sewer Overhead									
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%
Total EXPENSES	525,500	525,500	525,500	0.00%				525,500	0.00%
101790 Sewer General/Admin									
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%
Total EXPENSES	25,025,300	27,061,300	28,281,900	4.51%		54,600		28,336,500	4.71%
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%
Total REVENUES	(28,866,800)	(30,166,800)	(31,223,400)	3.50%		(198,600)		(31,422,000)	4.16%
101800 Sewer Line Maintenance									
EXPENSES									

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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%
Total EXPENSES	774,300	826,500	880,200	6.50%				880,200	6.50%
REVENUES									
User Fees & Charges	(191,300)	(191,300)	(191,300)	0.00%				(191,300)	0.00%
Total REVENUES	(191,300)	(191,300)	(191,300)	0.00%				(191,300)	0.00%
101810 Sewer Manhole Maintenance									
EXPENSES									
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%
Total EXPENSES	566,100	409,100	413,000	0.95%				413,000	0.95%
101820 Sewer Lateral Maintenance									
EXPENSES									
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%
Total EXPENSES	827,000	793,100	735,000	(7.33%)				735,000	(7.33%)
101830 Sewer Locate Services									
EXPENSES									
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%
Total EXPENSES	64,400	64,400	64,500	0.16%				64,500	0.16%

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	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
101840 Sewer Pumping Stations									
EXPENSES									
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%)
Total EXPENSES	523,500	678,200	628,600	(7.31%)		30,000		658,600	(2.89%)
Total Sewer	(\$752,000)		\$114,000			(\$114,000)			