

CITY OF HAMILTON
2018 HAMILTON WATER OPERATING BUDGET
 COMBINED WASTEWATER AND STORM

	2017 RESTATED BUDGET \$	2017 PROJECTED ACTUAL \$	2018 MAINTENANCE BUDGET \$	2018 PROGRAM CHANGE \$	2018 REQUESTED BUDGET \$	CHANGE 2017 PROJECTED ACTUAL / 2017 RESTATED BUDGET %	CHANGE 2018 REQUESTED / 2017 RESTATED BUDGET %
OPERATING EXPENDITURES:							
Environmental Services							
Divisional Administration & Support	1,117,861	1,117,861	1,144,130	-	1,144,130	-	26,269 2.3%
Woodward Upgrades	1,197,710	1,197,710	1,220,310	-	1,220,310	-	22,600 1.9%
Customer Service	287,690	210,190	215,760	-	215,760	26.9%	(71,930) (25.0%)
Outreach & Education	695,530	695,530	647,820	-	647,820	-	(47,710) (6.9%)
Service Co-ordination	1,505,375	1,505,375	1,531,948	-	1,531,948	-	26,573 1.8%
Engineering Systems & Data Collection	817,660	817,660	639,070	-	639,070	-	(178,590) (21.8%)
Compliance & Regulations	390,950	390,950	399,110	-	399,110	-	8,160 2.1%
Laboratory Services	2,300,275	2,300,275	2,355,745	-	2,355,745	-	55,470 2.4%
Environmental Monitoring & Enforcement	1,780,060	1,685,060	1,755,150	-	1,755,150	5.3%	(24,910) (1.4%)
Water Distribution & Wastewater Collection	5,319,570	5,319,570	5,466,480	-	5,466,480	-	146,910 2.8%
Plant Operations & Maintenance	21,117,810	21,521,114	21,888,610	-	21,888,610	(1.9%)	770,800 3.6%
Capital Delivery	771,323	771,323	830,294	-	830,294	-	58,971 7.6%
Sustainable Initiatives	338,184	338,184	367,585	-	367,585	-	29,402 8.7%
Infrastructure & Source Water Planning	1,538,889	1,538,889	1,600,093	-	1,600,093	-	61,204 4.0%
Wastewater Abatement Program	821,000	821,000	1,000,000	-	1,000,000	-	179,000 21.8%
Alectra Utilities Service Contract	2,637,500	2,562,360	2,779,860	-	2,779,860	2.8%	142,360 5.4%
Corporate & Departmental Support Services	3,508,880	3,591,706	3,457,810	-	3,457,810	(2.4%)	(82,826) (1.5%)
Utilities Arrears Program	250,000	250,000	250,000	-	250,000	-	- -
Sewer Lateral Management Program	500,000	500,000	500,000	-	500,000	-	- -
Hamilton Harbour Remedial Action Plan	415,000	415,000	304,980	-	304,980	-	(110,020) (26.5%)
Protective Plumbing Program (3P)	2,500,000	2,500,000	2,000,000	-	2,000,000	0.0%	(500,000) (20.0%)
Financial Charges	184,570	184,570	184,570	-	184,570	-	- -
Capital and Reserve Recoveries	(5,353,430)	(4,855,369)	(4,406,607)	-	(4,406,607)	9.3%	946,823 (17.7%)
Sub-Total Environmental Services	44,642,407	45,378,957	46,132,718	-	46,132,718	(1.6%)	1,490,311 3.3%
Capital and Reserve Impacts on Operating							
Contributions to Capital							
Wastewater	13,325,000	13,325,000	45,474,000	-	45,474,000	-	32,149,000 2
Stormwater	10,959,000	10,959,000	8,516,000	-	8,516,000	-	(2,443,000) (0)
Sub-Total Contributions to Capital	24,284,000	24,284,000	53,990,000	-	53,990,000	-	29,706,000 1
Contributions for DC Exemptions							
Wastewater	3,870,000	3,870,000	4,590,000	-	4,590,000	-	720,000 0
Stormwater	730,000	730,000	1,863,000	-	1,863,000	-	1,133,000 2
Sub-Total Contributions for DC Exemptions	4,600,000	4,600,000	6,453,000	-	6,453,000	-	1,853,000 0
Debt Charges							
Wastewater	10,130,540	7,159,734	8,737,296	-	8,737,296	29.3%	(1,393,244) (13.8%)
Stormwater	2,272,050	662,397	1,839,143	-	1,839,143	70.8%	(432,907) (19.1%)
DC Debt Charges Recoveries	(1,855,910)	60,376	(1,740,795)	-	(1,740,795)	103.3%	115,115 (6.2%)
Sub-Total Debt Charges	10,546,680	7,882,507	8,835,644	-	8,835,644	25.3%	(1,711,036) (16.2%)
Sub-Total Capital Financing	39,430,680	36,766,507	69,278,644	-	69,278,644	6.8%	29,847,964 75.7%
Reserve Transfers	18,801,793	20,852,181	(6,982,758)	-	(6,982,758)	(10.9%)	(25,784,551) (137.1%)
Sub-Total Capital and Reserve Impacts on Operating	58,232,473	57,618,688	62,295,886	-	62,295,886	1.1%	4,063,413 7.0%
TOTAL EXPENDITURES	102,874,880	102,997,645	108,428,604	-	108,428,604	(0.1%)	5,553,724 5.4%

CITY OF HAMILTON
2018 HAMILTON WATER OPERATING BUDGET
 COMBINED WASTEWATER AND STORM

	2017 RESTATED BUDGET \$	2017 PROJECTED ACTUAL \$	2018 MAINTENANCE BUDGET \$	2018 PROGRAM CHANGE \$	2018 REQUESTED BUDGET \$	CHANGE 2017 PROJECTED ACTUAL / 2017 RESTATED BUDGET %	CHANGE 2017 RESTATED BUDGET 2018 REQUESTED / 2017 RESTATED BUDGET %
REVENUES:							
Rate Revenue							
Residential	44,804,890	44,804,890	47,557,920	-	47,557,920	-	2,753,030 6.1%
Industrial/Commercial/Institutional/Multi-res	50,306,990	50,306,990	52,679,040	-	52,679,040	-	2,372,050 4.7%
Non-Metered	220,000	237,500	275,000	-	275,000	8.0%	55,000 25.0%
Hauler / 3rd Party Sales	564,150	564,150	790,000	-	790,000	-	225,850 40.0%
Overstrength Agreements	2,148,500	2,148,500	2,249,480	-	2,249,480	-	100,980 4.7%
Sewer Surcharge Agreements	3,581,800	3,914,380	4,000,000	-	4,000,000	9.3%	418,200 11.7%
Sub-Total Utility Rates	101,626,330	101,976,410	107,551,440	-	107,551,440	0.3%	5,925,110 5.8%
Non-Rate Revenue							
Local Improvement Recoveries	265,850	265,850	265,850	-	265,850	-	-
Permits / Leases / Agreements	429,200	492,300	400,953	-	400,953	14.7%	(28,247) (6.6%)
General Fees and Recoveries	553,500	263,085	210,361	-	210,361	(52.5%)	(343,139) (62.2%)
Sub-Total Non-Rate Revenue	1,248,550	1,021,235	877,164	-	877,164	(18.2%)	(371,386) (29.7%)
TOTAL REVENUES	102,874,880	102,997,645	108,428,604	-	108,428,604	0.1%	5,553,724 5.4%
NET EXPENDITURES	-	-	-	-	-	-	-

**CITY OF HAMILTON
2018 - 2020 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WASTEWATER AND STORM**

	2017 RESTATED BUDGET \$	2018 REQUESTED BUDGET \$	2019 PROJECTED BUDGET \$	2020 PROJECTED BUDGET \$	CHANGE 2018 RESTATED BUDGET / 2017 RESTATED BUDGET %	CHANGE 2019 PROJECTED BUDGET / 2018 REQUESTED BUDGET %	CHANGE 2020 PROJECTED BUDGET / 2019 PROJECTED BUDGET %
OPERATING EXPENDITURES:							
Environmental Services							
Divisional Administration & Support	1,117,861	1,144,130	1,178,453	1,213,807	2.3%	26,269	34,324
Woodward Upgrades	1,197,710	1,220,310	1,256,919	1,294,627	1.9%	22,600	36,609
Customer Service	287,690	215,760	222,233	228,900	(25.0%)	(71,930)	6,673
Outreach & Education	695,530	647,820	667,255	687,272	(0)	(47,710)	19,435
Service Co-ordination	1,505,375	1,531,948	1,577,906	1,625,244	1.8%	26,573	45,958
Engineering Systems & Data Collection	817,660	639,070	658,242	677,989	(21.8%)	(178,590)	19,172
Compliance & Regulations	390,950	393,110	411,083	423,416	2.1%	8,160	11,973
Laboratory Services	2,300,275	2,355,745	2,426,417	2,499,210	2.4%	55,470	70,672
Environmental Monitoring & Enforcement	1,780,060	1,755,150	1,807,805	1,862,039	(1.4%)	(24,910)	52,655
Water Distribution & Wastewater Collection	5,319,570	5,466,480	5,630,474	5,799,389	2.8%	146,910	163,994
Plant Operations & Maintenance	21,117,810	21,888,610	22,545,268	23,221,626	3.6%	770,800	656,658
Capital Delivery	771,323	830,294	855,203	880,859	7.6%	58,971	24,909
Sustainable Initiatives	338,184	367,585	378,613	389,971	8.7%	29,402	11,028
Infrastructure & Source Water Planning	1,538,889	1,600,093	1,648,096	1,697,539	4.0%	61,204	48,003
Wastewater Abatement Program	821,000	1,000,000	1,030,000	1,060,900	21.8%	179,000	30,000
Alectra Utilities Service Contract	2,637,500	2,779,860	2,863,256	2,949,153	5.4%	142,360	83,396
Corporate & Departmental Support Services	3,508,880	3,457,810	3,470,596	3,483,766	(1.5%)	(51,070)	12,786
Utilities Arrears Program	250,000	250,000	250,000	250,000	-	-	-
Sewer Lateral Management Program	500,000	500,000	515,000	530,450	-	15,000	15,450
Hamilton Harbour Remedial Action Plan	415,000	304,980	314,129	323,553	(26.5%)	(110,020)	9,149
Protective Plumbing Program (3P)	2,500,000	2,000,000	2,060,000	2,121,800	(20.0%)	(500,000)	60,000
Financial Charges	184,570	184,570	190,107	195,810	-	5,537	5,703
Capital and Reserve Recoveries	(5,353,430)	(4,406,607)	(4,538,805)	(4,674,969)	(17.7%)	946,823	(132,198)
Sub-Total Environmental Services	44,642,407	46,132,718	47,418,251	48,742,351	3.3%	1,490,311	1,285,534
Capital and Reserve Impacts on Operating							
Contributions to Capital							
Wastewater	13,325,000	45,474,000	43,829,000	51,015,000	2	32,149,000	7,186,000
Stormwater	10,959,000	8,516,000	8,655,000	7,065,000	(0)	(2,443,000)	(1,590,000)
Sub-Total Contributions to Capital	24,284,000	53,990,000	52,484,000	58,080,000	1	(1,506,000)	5,596,000
Contributions for DC Exemptions							
Wastewater	3,870,000	4,590,000	4,080,000	3,570,000	0	720,000	(510,000)
Stormwater	730,000	1,863,000	1,656,000	1,449,000	2	(207,000)	(207,000)
Sub-Total Contributions for DC Exemptions	4,600,000	6,453,000	5,736,000	5,019,000	0	(717,000)	(717,000)
Debt Charges							
Wastewater	10,130,540	8,737,296	12,615,523	19,805,124	(13.8%)	(1,393,244)	3,878,227
Stormwater	2,272,050	1,839,143	4,121,060	6,432,916	(19.1%)	(432,907)	2,281,917
DC Debt Charges Recoveries	(1,855,910)	(1,740,795)	(5,437,341)	(11,241,886)	(6.2%)	(3,698,545)	(5,804,545)
Sub-Total Debt Charges	10,546,680	8,835,644	11,299,242	14,996,153	(16.2%)	(1,711,036)	3,696,911
Sub-Total Capital Financing	39,430,680	69,278,644	69,519,242	78,095,153	75.7%	240,598	8,575,911
Reserve Transfers	18,801,793	(6,982,758)	(3,261,553)	(7,699,290)	(137.1%)	(3,721,205)	(4,437,798)
Sub-Total Capital and Reserve Impacts on Operating	58,232,473	62,295,886	66,257,689	70,395,863	7.0%	3,961,803	4,138,174
TOTAL EXPENDITURES	102,874,880	108,428,604	113,675,941	119,138,214	5.4%	5,247,337	5,462,273

CITY OF HAMILTON
2018-2027 WATER, WASTEWATER & STORM OPERATING BUDGET
 COMBINED WASTEWATER AND STORM
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	2017 Restated	2018 Requested	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	40,142	42,233	43,418	44,512	45,608	44,686	48,960	50,920	52,517	54,162	55,858
BIO-SOLIDS	4,500	3,900	4,000	4,230	4,129	4,215	4,302	4,392	4,484	4,578	4,676
TERTIARY TREATMENT	-	-	-	-	468	2,810	2,866	2,924	2,982	3,042	3,102
TOTAL OPERATING COSTS	44,642	46,133	47,418	48,742	50,205	51,711	56,128	58,236	59,983	61,782	63,636
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Wastewater	13,325	45,474	43,829	51,015	47,019	51,790	45,750	46,550	53,105	59,705	75,500
Stormwater	10,959	8,516	8,655	7,065	6,615	7,145	6,815	11,445	4,545	8,845	7,395
Sub-total Contributions to Capital	24,284	53,990	52,484	58,080	53,634	58,935	52,565	57,995	57,650	68,550	82,895
Contributions for DC Exemptions											
Wastewater	3,870	4,590	4,080	3,570	3,514	3,445	3,376	3,376	3,376	3,376	3,376
Stormwater	730	1,863	1,656	1,449	1,426	1,398	1,370	1,370	1,370	1,370	1,370
Sub-total Contributions to Capital	4,600	6,453	5,736	5,019	4,940	4,843	4,747	4,747	4,747	4,747	4,747
Debt Charges											
Wastewater	10,131	8,737	12,616	19,805	26,094	28,010	29,125	30,223	30,952	31,270	34,114
Stormwater	2,272	1,839	4,121	6,433	7,830	8,140	8,451	8,762	9,073	9,383	9,694
DC Debt Charges Recoveries	(1,856)	(1,741)	(5,437)	(11,242)	(15,914)	(17,689)	(19,267)	(20,830)	(22,025)	(22,807)	(26,498)
Sub-total Debt Charges	10,547	8,836	11,299	14,996	18,010	18,461	18,309	18,156	18,000	17,846	17,310
Reserve Transfers	18,802	(6,983)	(3,262)	(7,699)	(1,589)	(2,560)	5,652	3,380	7,514	911	(8,771)
Sub-Total Capital & Reserve Impacts on Operating	58,232	62,296	66,258	70,396	74,995	79,680	81,272	84,277	87,910	92,054	96,180
TOTAL EXPENDITURES	102,875	108,429	113,676	119,138	125,199	131,390	137,401	142,513	147,893	153,836	159,816
REVENUES											
Residential	44,805	47,558	50,189	53,027	56,259	59,139	62,211	64,947	67,556	70,921	74,408
Industrial/Commercial/Institutional/Multi-res	50,307	52,679	55,051	57,423	59,986	63,023	65,680	67,767	70,239	72,511	74,688
Non-Metered	220	275	290	305	320	335	350	365	380	395	410
Hauler / 3rd Party Sales	564	790	814	838	863	889	916	943	972	1,001	1,031
Overstrength Agreements	2,149	2,249	2,317	2,386	2,458	2,532	2,608	2,686	2,767	2,850	2,935
Sewer Surcharge Agreements	3,582	4,000	4,120	4,244	4,371	4,502	4,637	4,776	4,919	5,067	5,219
Non-Rate Revenue	1,249	877	896	914	942	970	999	1,029	1,060	1,092	1,125
TOTAL REVENUES	102,875	108,429	113,676	119,138	125,199	131,390	137,401	142,513	147,893	153,836	159,816
NET EXPENDITURES											
Rate Increase	4.8%	5.2%	4.6%	4.7%	5.1%	4.3%	4.3%	3.5%	3.2%	4.0%	4.5%
RESIDENTIAL BILL (200m³ p.a.)	\$ 339.70	\$ 357.40	\$ 373.90	\$ 391.60	\$ 411.75	\$ 429.40	\$ 447.90	\$ 463.60	\$ 478.45	\$ 497.80	\$ 520.00