

**CITY OF HAMILTON
2016 HAMILTON WATER OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM**

	2015 RESTATED BUDGET	2015 PROJECTED ACTUAL	2016 MAINTENANCE BUDGET	2016 PROGRAM CHANGE	2016 REQUESTED BUDGET	CHANGE 2015 PROJECTED ACTUAL / 2015 RESTATED BUDGET	CHANGE 2016 REQUESTED / 2015 RESTATED BUDGET	
	\$	\$	\$	\$	\$	%	\$	%
OPERATING EXPENDITURES:								
Environmental Services								
Divisional Administration & Support	2,422,960	2,591,990	2,508,110		2,508,110	(169,030)	85,150	3.5%
Woodward Upgrades	1,108,630	1,100,030	1,152,010		1,152,010	8,600	43,380	3.9%
Customer Service & Community Outreach	1,466,900	1,144,500	1,453,800		1,453,800	322,400	(13,100)	(0.9%)
Service Co-ordination	2,972,790	2,730,390	2,994,880		2,994,880	242,400	22,090	0.7%
Engineering Systems & Data Collection	1,393,840	1,285,100	1,416,300		1,416,300	108,740	22,460	1.6%
Compliance & Regulations	734,370	742,240	761,330		761,330	(7,870)	26,960	3.7%
Laboratory Services	3,046,710	3,169,280	3,124,760		3,124,760	(122,570)	78,050	2.6%
Environmental Monitoring & Enforcement	1,540,050	1,536,960	1,601,670		1,601,670	3,090	61,620	4.0%
Water Distribution & Wastewater Collection	18,645,410	17,297,750	19,477,290	16,000	19,493,290	1,347,660	847,880	4.5%
Plant Operations & Maintenance	35,416,160	36,154,420	38,119,420	97,550	38,216,970	(738,260)	2,800,810	7.9%
Capital Delivery	1,574,080	1,587,480	1,598,470	16,400	1,614,870	(13,400)	40,790	2.6%
Sustainable Initiatives	1,358,260	1,168,390	1,171,730		1,171,730	189,870	(186,530)	(13.7%)
Infrastructure Planning & System Design	1,810,240	1,999,120	1,882,890	370,880	2,253,770	(158,880)	443,530	24.5%
Wastewater Abatement Program	585,000	585,000	585,000		585,000	-	-	0.0%
Horizon Utilities Service Contract	4,607,000	4,607,000	4,608,000		4,608,000	-	1,000	0.0%
Corporate & Departmental Support Services	5,890,010	5,762,400	5,669,650		5,669,650	127,610	(220,360)	(3.7%)
Utilities Arrears Program	500,000	500,000	500,000		500,000	-	-	0.0%
Hamilton Harbour Remedial Action Plan	335,000	290,000	500,000		500,000	45,000	165,000	49.3%
Protective Plumbing Program (3P)	2,500,000	4,000,000	2,500,000		2,500,000	(1,500,000)	-	0.0%
Financial Charges	307,330	307,340	307,330		307,330	(10)	-	0.0%
Capital and Reserve Recoveries	(7,437,280)	(7,423,120)	(7,581,320)	(387,280)	(7,968,600)	(14,160)	(531,320)	7.1%
Sub-Total Environmental Services	80,777,460	81,106,270	84,351,320	113,550	84,464,870	(328,810)	3,687,410	4.6%
Capital and Reserve Impacts on Operating								
Contributions to Capital								
Water Quality Initiatives	39,230,000	39,230,000	38,697,000	-	38,697,000	-	(533,000)	(1.4%)
Wastewater	27,178,000	27,178,000	41,695,000	-	41,695,000	-	14,517,000	53.4%
Stormwater	11,579,000	11,579,000	7,415,000	-	7,415,000	-	(4,164,000)	(36.0%)
Sub-Total Contributions to Capital	77,987,000	77,987,000	87,807,000	-	87,807,000	-	9,820,000	12.6%
Contributions for DC Exemptions								
Water Quality Initiatives	2,950,000	2,950,000	2,900,000	-	2,900,000	-	(50,000)	(1.7%)
Wastewater	4,040,000	4,040,000	3,990,000	-	3,990,000	-	(50,000)	(1.2%)
Stormwater	760,000	760,000	750,000	-	750,000	-	(10,000)	(1.3%)
Sub-Total Contributions for DC Exemptions	7,750,000	7,750,000	7,640,000	-	7,640,000	-	(110,000)	(1.4%)

**CITY OF HAMILTON
2016 HAMILTON WATER OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM**

	2015 RESTATED BUDGET	2015 PROJECTED ACTUAL	2016 MAINTENANCE BUDGET	2016 PROGRAM CHANGE	2016 REQUESTED BUDGET	CHANGE 2015 PROJECTED ACTUAL / 2015 RESTATED BUDGET	CHANGE 2016 REQUESTED / 2015 RESTATED BUDGET
	\$	\$	\$	\$	\$	%	\$ %
Capital Debt Charges							
Water Quality Initiatives	7,021,360	4,820,000	7,399,742	-	7,399,742	2,201,360	31.4%
Wastewater	5,503,810	3,980,000	6,944,812	-	6,944,812	1,523,810	27.7%
Stormwater	2,032,750	210,000	1,706,586	-	1,706,586	1,822,750	89.7%
DC Debt Charges Recoveries	(2,237,590)	117,000	(3,866,744)	-	(3,866,744)	(2,354,590)	105.2%
Sub-Total Debt Charges	12,320,330	9,127,000	12,184,397	-	12,184,397	3,193,330	25.9%
Sub-Total Capital Financing	98,057,330	94,864,000	107,631,397	-	107,631,397	3,193,330	3.3%
Reserve Transfers	4,919,990	5,047,620	362,793	(113,550)	249,243	(127,630)	(2.6%)
Sub-Total Capital and Reserve Impacts on Operating	102,977,320	99,911,620	107,994,190	(113,550)	107,880,640	3,065,700	3.0%
TOTAL EXPENDITURES	183,754,780	181,017,890	192,345,510	-	192,345,510	2,736,890	1.5%
REVENUES:							
Rate Revenue							
Residential	79,608,230	79,041,520	83,293,250	-	83,293,250	(566,710)	(0.7%)
Industrial/Commercial/Institutional/Multi-res	90,535,360	90,467,510	94,800,560	-	94,800,560	(67,850)	(0.1%)
Haldimand	2,264,240	2,206,100	2,206,690	-	2,206,690	(58,140)	(2.6%)
Halton	209,860	209,860	219,150	-	219,150	-	0.0%
Non-Metered	575,000	575,000	425,000	-	425,000	-	0.0%
Private Fire Lines	875,000	903,000	950,000	-	950,000	28,000	3.2%
Hauler / 3rd Party Sales	1,489,920	1,441,710	1,474,920	-	1,474,920	(48,210)	(3.2%)
Overstrength Agreements	1,844,610	2,459,000	2,200,000	-	2,200,000	614,390	33.3%
Sewer Surcharge Agreements	3,835,100	3,699,910	4,200,000	-	4,200,000	(135,190)	(3.5%)
Sub-Total Utility Rates	181,237,319	181,003,610	189,769,570	-	189,769,570	(233,710)	(.1%)
Non-Rate Revenue							
Local Improvement Recoveries	275,850	280,570	275,850	-	275,850	4,720	1.7%
Permits / Leases / Agreements	1,308,300	899,050	1,307,910	-	1,307,910	(409,250)	(31.3%)
General Fees and Recoveries	933,310	1,019,380	992,180	-	992,180	86,070	9.2%
Sub-Total Non-Rate Revenue	2,517,460	2,199,000	2,575,940	-	2,575,940	(318,460)	(12.7%)
TOTAL REVENUES	183,754,780	183,202,610	192,345,510	-	192,345,510	(552,170)	(0.3%)
NET EXPENDITURES	-	(2,184,720)	-	-	-	2,184,720	-

CITY OF HAMILTON
2016 - 2018 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2015	2016	2017	2018	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2016 REQUESTED / 2015 RESTATED BUDGET	%	2017 PROJECTED / 2016 REQUESTED BUDGET	%	2018 PROJECTED / 2017 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	%	\$	%	\$	%
OPERATING EXPENDITURES:										
Environmental Services										
Divisional Administration & Support	2,422,960	2,508,110	2,583,353	2,660,854	85,150	3.5%	75,243	3.0%	77,501	3.0%
Woodward Upgrades	1,108,630	1,152,010	1,186,570	1,222,167	43,380	3.9%	34,560	3.0%	35,597	3.0%
Customer Service & Community Outreach	1,466,900	1,453,800	1,497,414	1,542,336	(13,100)	(0.9%)	43,614	3.0%	44,922	3.0%
Service Co-ordination	2,972,790	2,994,880	3,084,726	3,177,268	22,090	0.7%	89,846	3.0%	92,542	3.0%
Engineering Systems & Data Collection	1,393,840	1,416,300	1,458,789	1,502,553	22,460	1.6%	42,489	3.0%	43,764	3.0%
Compliance & Regulations	734,370	761,330	784,170	807,695	26,960	3.7%	22,840	3.0%	23,525	3.0%
Laboratory Services	3,046,710	3,124,760	3,218,503	3,315,058	78,050	2.6%	93,743	3.0%	96,555	3.0%
Environmental Monitoring & Enforcement	1,540,050	1,601,670	1,649,720	1,699,212	61,620	4.0%	48,050	3.0%	49,492	3.0%
Water Distribution & Wastewater Collection	18,645,410	19,493,290	20,078,089	20,680,431	847,880	4.5%	584,799	3.0%	602,343	3.0%
Plant Operations & Maintenance	35,416,160	38,216,970	39,363,479	40,544,383	2,800,810	7.9%	1,146,509	3.0%	1,180,904	3.0%
Capital Delivery	1,574,080	1,614,870	1,663,316	1,713,216	40,790	2.6%	48,446	3.0%	49,899	3.0%
Sustainable Initiatives	1,358,260	1,171,730	1,206,882	1,243,088	(186,530)	0.0%	35,162	3.0%	36,206	3.0%
Infrastructure & Source Water Planning	1,810,240	2,253,770	2,321,383	2,391,025	443,530	24.5%	67,613	3.0%	69,641	3.0%
Wastewater Abatement Program	585,000	585,000	602,550	620,627	-	0.0%	17,550	3.0%	18,077	3.0%
Horizon Utilities Service Contract	4,607,000	4,608,000	4,746,240	4,888,627	1,000	0.0%	138,240	3.0%	142,387	3.0%
Corporate & Departmental Support Services	5,890,010	5,669,650	5,839,740	6,014,932	(220,360)	(3.7%)	170,090	3.0%	175,192	3.0%
Utilities Arrears Program	500,000	500,000	500,000	500,000	-	0.0%	-	0.0%	-	0.0%
Hamilton Harbour Remedial Action Plan	335,000	500,000	515,000	530,450	165,000	49.3%	15,000	3.0%	15,450	3.0%
Protective Plumbing Program (3P)	2,500,000	2,500,000	2,575,000	2,652,250	-	0.0%	75,000	3.0%	77,250	3.0%
Financial Charges	307,330	307,330	316,550	326,046	-	0.0%	9,220	3.0%	9,496	3.0%
Capital and Reserve Recoveries	(7,437,280)	(7,968,600)	(8,207,658)	(8,453,888)	(531,320)	7.1%	(239,058)	3.0%	(246,230)	3.0%
Sub-Total Environmental Services	80,777,460	84,464,870	86,983,816	89,578,331	3,687,410	4.6%	2,618,946	3.0%	2,594,514	3.0%
Capital and Reserve Impacts on Operating										
Contributions to Capital										
Water Quality Initiatives	39,230,000	38,697,000	47,284,000	49,949,000	(533,000)	(1.4%)	8,587,000	22.2%	2,665,000	5.6%
Wastewater	27,178,000	41,695,000	30,480,000	29,380,000	14,517,000	53.4%	(11,215,000)	(26.9%)	(1,100,000)	(3.6%)
Stormwater	11,579,000	7,415,000	9,179,000	6,925,000	(4,164,000)	(36.0%)	1,764,000	23.8%	(2,254,000)	(24.6%)
Sub-Total Contributions to Capital	77,987,000	87,807,000	86,943,000	86,254,000	9,820,000	12.6%	(864,000)	(1.0%)	(689,000)	(0.8%)
Contributions for DC Exemptions										
Water Quality Initiatives	2,950,000	2,900,000	2,800,000	2,750,000	(50,000)	(1.7%)	(100,000)	(3.4%)	(50,000)	(1.8%)
Wastewater	4,040,000	3,990,000	3,870,000	3,800,000	(50,000)	(1.2%)	(120,000)	(3.0%)	(70,000)	(1.8%)
Stormwater	760,000	750,000	730,000	720,000	(10,000)	(1.3%)	(20,000)	(2.7%)	(10,000)	(1.4%)
Sub-Total Contributions for DC Exemptions	7,750,000	7,640,000	7,400,000	7,270,000	(110,000)	(1.4%)	(240,000)	(3.1%)	(130,000)	(1.8%)
Debt Charges										
Water Quality Initiatives	7,021,360	7,399,742	13,477,461	19,868,251	378,382	5.4%	6,077,720	82.1%	6,390,790	47.4%
Wastewater	5,503,810	6,944,812	12,306,155	18,453,540	1,441,002	26.2%	5,361,342	77.2%	6,147,385	50.0%
Stormwater	2,032,750	1,706,586	4,582,583	7,623,783	(326,164)	(16.0%)	2,875,997	168.5%	3,041,200	66.4%
DC Debt Charges Recoveries	(2,237,590)	(3,866,744)	(11,237,308)	(19,348,031)	(1,629,154)	72.8%	(7,370,565)	190.6%	(8,110,722)	72.2%
Sub-Total Debt Charges	12,320,330	12,184,397	19,128,891	26,597,543	(136,933)	(1.1%)	6,944,494	57.0%	7,468,652	39.0%
Sub-Total Capital Financing	98,057,330	107,631,397	113,471,891	120,121,543	9,574,067	9.8%	5,840,494	5.4%	6,649,652	5.9%
Reserve Transfers	4,919,990	249,243	327,904	554,478	(4,670,747)	(94.9%)	78,660	31.6%	226,574	69.1%
Sub-Total Capital and Reserve Impacts on Operating	102,977,320	107,880,640	113,799,794	120,676,021	4,903,320	4.8%	5,919,154	5.5%	6,876,227	6.0%
TOTAL EXPENDITURES	183,754,780	192,345,510	200,783,611	210,254,352	8,590,730	4.7%	8,438,101	4.4%	9,470,741	4.7%

CITY OF HAMILTON
2016 - 2018 WATER, WASTEWATER AND STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM

	2015	2016	2017	2018	CHANGE		CHANGE		CHANGE	
	RESTATED BUDGET	REQUESTED BUDGET	PROJECTED BUDGET	PROJECTED BUDGET	2016 REQUESTED / 2015 RESTATED BUDGET	%	2017 PROJECTED / 2016 REQUESTED BUDGET	%	2018 PROJECTED / 2017 PROJECTED BUDGET	%
	\$	\$	\$	\$	\$	%	\$	%	\$	%
REVENUES:										
Rate Revenue										
Residential	79,608,230	83,293,250	87,622,314	92,386,216	3,685,020	4.6%	4,329,064	5.2%	4,763,902	5.4%
Industrial/Commercial/Institutional/Multi-res	90,535,360	94,800,560	98,547,262	102,880,316	4,265,200	4.7%	3,746,702	4.0%	4,333,054	4.4%
Haldimand	2,264,240	2,206,690	2,211,941	2,212,671	(57,550)	(2.5%)	5,251	0.2%	730	0.0%
Halton	209,860	219,150	227,483	236,775	9,290	4.4%	8,333	3.8%	9,292	4.1%
Non-Metered	575,000	425,000	440,000	460,000	(150,000)	(26.1%)	15,000	3.5%	20,000	4.5%
Private Fire Lines	875,000	950,000	978,500	1,007,855	75,000	8.6%	28,500	3.0%	29,355	3.0%
Hauler / 3rd Party Sales	1,489,920	1,474,920	1,519,168	1,564,743	(15,000)	(1.0%)	44,248	3.0%	45,575	3.0%
Overstrength Agreements	1,844,610	2,200,000	2,266,000	2,333,980	355,390	19.3%	66,000	3.0%	67,980	3.0%
Sewer Surcharge Agreements	3,835,100	4,200,000	4,328,000	4,455,780	364,900	9.5%	126,000	3.0%	129,780	3.0%
Sub-Total Utility Rates	181,237,320	189,769,570	198,138,668	207,538,336	8,532,250	4.7%	8,369,098	4.4%	9,399,668	4.7%
Non-Rate Revenue										
Local Improvement Recoveries	275,850	275,850	275,850	275,850	-	0.0%	-	0.0%	-	0.0%
Permits/Leases/Agreements	1,308,300	1,307,910	1,347,147	1,387,562	(390)	(0.0%)	39,237	3.0%	40,414	3.0%
General Fees and Recoveries	933,310	992,180	1,021,945	1,052,604	58,870	6.3%	29,765	3.0%	30,658	3.0%
Sub-Total Non-Rate Revenue	2,517,460	2,575,940	2,644,943	2,716,015	58,480	2.3%	69,003	2.7%	71,073	2.7%
TOTAL REVENUES	183,754,780	192,345,510	200,783,611	210,254,352	8,590,730	4.7%	8,438,101	4.4%	9,470,741	4.7%
NET EXPENDITURES										

CITY OF HAMILTON
2016-2025 WATER, WASTEWATER & STORM OPERATING BUDGET
COMBINED WATER, WASTEWATER AND STORM
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	2015 Restated	2016 Requested	2017 Forecast	2018 Forecast	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast
OPERATING EXPENDITURES											
OPERATING COSTS	77,277	79,965	82,434	84,978	87,616	90,334	93,135	96,096	99,223	102,445	105,766
BIO-SOLIDS	3,500	4,500	4,550	4,600	4,650	4,700	4,750	4,800	4,850	4,900	4,950
TERTIARY TREATMENT	-	-	-	-	-	-	2,500	5,000	5,000	5,000	5,000
TOTAL OPERATING COSTS	80,777	84,465	86,984	89,578	92,266	95,034	100,385	105,896	109,073	112,345	115,716
CAPITAL & RESERVE IMPACTS ON OPERATING											
Contributions to Capital											
Water	39,230	38,697	47,284	49,949	39,917	44,970	50,647	49,129	66,769	61,586	47,649
Wastewater	27,178	41,695	30,480	29,380	41,553	37,490	33,023	42,871	32,151	45,933	68,675
Stormwater	11,579	7,415	9,179	6,925	6,915	10,695	11,305	8,285	9,465	8,655	7,965
Sub-total Contributions to Capital	77,987	87,807	86,943	86,254	88,385	93,155	94,975	100,285	108,385	116,174	124,189
Contributions for DC Exemptions											
Water	2,950	2,900	2,800	2,750	2,700	2,650	2,600	2,550	2,500	2,500	2,500
Wastewater	4,040	3,990	3,870	3,800	3,725	3,650	3,600	3,525	3,450	3,450	3,450
Stormwater	760	750	730	720	710	700	690	680	670	670	670
Sub-total Contributions to Capital	7,750	7,640	7,400	7,270	7,135	7,000	6,890	6,755	6,620	6,620	6,620
Debt Charges											
Water	7,021	7,400	13,477	19,868	24,082	26,129	27,254	27,595	27,750	28,135	28,956
Wastewater	5,504	6,945	12,306	18,454	22,992	25,491	27,256	27,223	27,312	27,598	27,931
Stormwater	2,033	1,707	4,583	7,624	9,441	9,856	10,176	10,496	10,816	11,136	11,456
DC Debt Charges Recoveries	-2,238	-3,867	-11,237	-19,348	-24,942	-27,095	-28,759	-29,579	-30,331	-31,518	-33,187
Sub-total Debt Charges	12,320	12,184	19,129	26,598	31,573	34,382	35,927	35,735	35,547	35,352	35,157
Reserve Transfers	4,920	249	328	554	292	219	1,821	2,016	2,008	1,998	2,335
Sub-Total Capital & Reserve Impacts on Operating	102,977	107,881	113,800	120,676	127,385	134,756	139,613	144,791	152,560	160,144	168,301
TOTAL EXPENDITURES	183,755	192,346	200,784	210,254	219,651	229,790	239,998	250,687	261,633	272,489	284,016
REVENUES											
Residential	79,608	83,293	87,622	92,386	97,054	102,060	107,140	112,387	117,884	123,275	129,022
Industrial/Commercial/Institutional/Multi-res	90,535	94,801	98,547	102,860	107,207	111,834	116,455	121,368	126,275	131,188	136,389
Haldimand	2,264	2,207	2,212	2,213	2,223	2,325	2,417	2,520	2,622	2,725	2,839
Halton	210	219	227	237	246	256	268	278	289	299	311
Non-Metered	575	425	440	460	480	500	520	540	560	580	600
Private Fire Lines	875	950	979	1,008	1,038	1,069	1,101	1,134	1,168	1,203	1,240
Hauler / 3rd Party Sales	1,490	1,475	1,519	1,565	1,612	1,660	1,710	1,761	1,814	1,868	1,924
Overstrength Agreements	1,845	2,200	2,266	2,334	2,404	2,476	2,550	2,627	2,706	2,787	2,871
Sewer Surcharge Agreements	3,835	4,200	4,326	4,456	4,589	4,727	4,869	5,015	5,165	5,320	5,480
Non-Rate Revenue	2,517	2,576	2,645	2,716	2,797	2,881	2,968	3,057	3,149	3,243	3,340
TOTAL REVENUES	183,755	192,346	200,784	210,254	219,651	229,790	239,998	250,687	261,633	272,489	284,016
NET EXPENDITURES	0	0	0	0	0	0	0	0	0	0	0
Rate Increase	4.2%	4.74%	4.3%	4.5%	4.2%	4.3%	4.1%	4.0%	4.0%	3.7%	3.8%
RESIDENTIAL BILL (200m³ p.a.)	\$ 601.80	\$ 630.35	\$ 657.30	\$ 687.05	\$ 715.60	\$ 746.15	\$ 776.70	\$ 808.05	\$ 840.60	\$ 871.95	\$ 905.30