

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)	(7.0%)
Wardward Upgrades	1,106,630	1,100,030	1,152,010		1,152,010	8,600	0.8%
Customer Service & Community Outreach	1,466,900	1,144,500	1,453,800		1,453,800	322,400	22.0%
Service Co-ordination	2,972,790	2,730,390	2,994,880		2,994,880	242,400	8.2%
Engineering Systems & Data Collection	1,393,840	1,285,100	1,416,300		1,416,300	108,740	7.8%
Compliance & Regulations	734,370	742,240	781,330		781,330	(7,870)	(1.1%)
Laboratory Services	3,046,710	3,169,280	3,124,760		3,124,760	(122,570)	(4.0%)
Environmental Monitoring & Enforcement	1,540,050	1,536,960	1,601,670		1,601,670	3,090	0.2%
Water Distribution & Wastewater Collection	18,645,410	17,297,750	19,477,290	16,000	19,493,290	1,347,660	7.2%
Plant Operations & Maintenance	35,416,160	36,154,420	38,119,420	97,550	38,216,970	(738,260)	(2.1%)
Capital Delivery	1,574,080	1,587,480	1,588,470	16,400	1,614,870	(13,400)	(0.9%)
Sustainable Initiatives	1,358,260	1,168,390	1,171,730		1,171,730	189,870	14.0%
Infrastructure Planning & System Design	1,810,240	1,969,120	1,882,890	370,880	2,253,770	(188,880)	(8.8%)
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	-	0.0%
Corporate & Departmental Support Services	5,890,010	5,762,400	5,669,650		5,669,650	127,610	2.2%
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	13.4%
Protective Plumbing Program (3P)	2,500,000	4,000,000	2,500,000		2,500,000	(1,500,000)	(60.0%)
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)	(0.2%)
Sub-Total Environmental Services	80,777,460	81,106,270	84,351,320	113,550	84,464,870	(328,810)	(0.4%)
Capital and Reserve Impacts on Operating							
Contributions to Capital							
Water Quality Initiatives	39,230,000	39,230,000	38,697,000	-	38,697,000	-	0.0%
Wastewater	27,178,000	27,178,000	41,695,000	-	41,695,000	-	0.0%
Stormwater	11,579,000	11,579,000	7,415,000	-	7,415,000	-	0.0%
Sub-Total Contributions to Capital	77,987,000	77,987,000	87,807,000	-	87,807,000	-	0.0%
Contributions for DC Exemptions							
Water Quality Initiatives	2,950,000	2,950,000	2,900,000	-	2,900,000	-	0.0%
Wastewater	4,040,000	4,040,000	3,990,000	-	3,990,000	-	0.0%
Stormwater	760,000	760,000	750,000	-	750,000	-	0.0%
Sub-Total Contributions for DC Exemptions	7,750,000	7,750,000	7,640,000	-	7,640,000	(110,000)	(1.4%)

	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 %
	85,150				85,150		3.5%
	43,380				43,380		3.9%
	(13,100)				(13,100)		(0.9%)
	22,090				22,090		0.7%
	22,460				22,460		1.6%
	26,960				26,960		3.7%
	78,050				78,050		2.6%
	61,620				61,620		4.0%
	847,980				847,980		4.5%
	2,800,810				2,800,810		7.9%
	40,790				40,790		2.6%
	(186,530)				(186,530)		(13.7%)
	443,530				443,530		24.5%
	-				-		0.0%
	1,000				1,000		0.0%
	(220,360)				(220,360)		(3.7%)
	-				-		0.0%
	165,000				165,000		49.3%
	-				-		0.0%
	(531,320)				(531,320)		0.0%
	3,687,410				3,687,410		4.6%
	(533,000)				(533,000)		(1.4%)
	14,517,000				14,517,000		53.4%
	(4,164,000)				(4,164,000)		(36.0%)
	9,820,000				9,820,000		12.6%
	(50,000)				(50,000)		(1.7%)
	(50,000)				(50,000)		(1.2%)
	(10,000)				(10,000)		(1.3%)
	(110,000)				(110,000)		(1.4%)

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

	2015 RE-STATE D BUDGET \$	2015 PROJEC TED ACT UAL \$	2016 MAINTEN ANCE B UDGET \$	2016 PROGR AM CH ANGE \$	2016 REQ UESTED BUDGET \$	CH ANGE 2015 RESTATED BUDGET / 2015 RESTATED BUDGET %	2016 REQ UESTED BUDGET \$	CH ANGE 2016 REQ UESTED BUDGET / 2016 REQ UESTED BUDGET %	
Capital Debt Charges									
Water Quality Initiatives	7,021,360	4,820,000	7,399,742	-	7,399,742	2,201,360	31.4%	378,382	5.4%
Wastewater	5,503,810	3,980,000	6,944,812	-	6,944,812	1,523,810	27.7%	1,441,002	26.2%
Stormwater	2,032,750	210,000	1,706,586	-	1,706,586	1,822,750	89.7%	(326,164)	(16.0%)
DC Debt Charges Recoveries	(2,237,590)	117,000	(3,866,744)	-	(3,866,744)	(2,354,590)	105.2%	(1,629,154)	72.8%
Sub-Total Debt Charges	12,320,330	9,127,000	12,184,397	-	12,184,397	3,193,330	25.9%	(135,933)	(1.1%)
Sub-Total Capital Financing	98,057,330	94,864,000	107,631,397	-	107,631,397	3,193,330	3.3%	9,574,067	9.8%
Reserve Transfers	4,919,990	5,047,620	362,793	(113,550)	249,243	(127,630)	(2.6%)	(4,670,747)	(94.9%)
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%	4,903,320	4.8%
TOTAL EXPENDITURES	183,754,780	181,017,890	192,345,510	-	192,345,510	2,736,890	1.5%	8,590,730	4.7%
REVENUES:									
Rate Revenue									
Residential	79,688,230	79,041,520	83,293,250	-	83,293,250	(566,710)	(0.7%)	3,685,020	4.6%
Industrial/Commercial/Institutional/Multi-res	90,535,360	90,467,510	94,800,560	-	94,800,560	(67,850)	(0.1%)	4,265,200	4.7%
Halldimand	2,264,240	2,206,100	2,206,690	-	2,206,690	(58,140)	(2.6%)	(57,550)	(2.5%)
Halton	209,860	209,860	219,150	-	219,150	-	0.0%	9,290	4.4%
Non-Metered	575,000	575,000	425,000	-	425,000	-	0.0%	(150,000)	(26.1%)
Private Fire Lines	875,000	903,000	950,000	-	950,000	28,000	3.2%	75,000	8.6%
Hauler / 3rd Party Sales	1,489,920	1,441,710	1,474,920	-	1,474,920	(48,210)	(3.2%)	(15,000)	(1.0%)
Overstrength Agreements	1,844,610	2,459,000	2,200,000	-	2,200,000	614,390	33.3%	355,390	19.3%
Sewer Surcharge Agreements	3,835,100	3,599,910	4,200,000	-	4,200,000	(135,190)	(3.5%)	364,900	9.5%
Sub-Total Utility Rates	181,237,319	181,003,610	189,769,570	-	189,769,570	(233,710)	(1.1%)	8,532,250	4.7%
Non-Rate Revenue									
Local Improvement Recoveries	275,850	280,570	275,850	-	275,850	4,720	1.7%	-	0.0%
Permits / Leases / Agreements	1,308,300	899,050	1,307,910	-	1,307,910	(409,250)	(31.3%)	(390)	(%)
General Fees and Recoveries	933,310	1,019,380	992,180	-	992,180	86,070	9.2%	58,870	6.3%
Sub-Total Non-Rate Revenue	2,517,460	2,199,000	2,575,940	-	2,575,940	(318,460)	(12.7%)	58,480	2.3%
TOTAL REVENUES	183,754,780	183,202,610	192,345,510	-	192,345,510	(552,170)	(0.3%)	8,590,730	4.7%
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 RESTATED BUDGET \$	2016 REQUESTED BUDGET \$	2017 PROJECTED BUDGET \$	2018 PROJECTED BUDGET \$	2015 RESTATED BUDGET / 2016 REQUESTED BUDGET %	2016 REQUESTED BUDGET / 2017 PROJECTED BUDGET %	2017 PROJECTED BUDGET / 2018 PROJECTED BUDGET %	CHANGE 2017 REQUESTED BUDGET \$	CHANGE 2018 PROJECTED BUDGET \$	CHANGE 2017 PROJECTED BUDGET / 2018 PROJECTED BUDGET %
OPERATING EXPENDITURES:										
Environmental Services										
Divisional Administration & Support	2,422,960	2,508,110	2,583,353	2,660,854			85,150	75,243	77,501	3.0%
Woodward Upgrades	1,108,630	1,152,010	1,186,570	1,222,167			43,380	34,560	35,597	3.0%
Customer Service & Community Outreach	1,466,900	1,453,800	1,447,414	1,442,336	(0.9%)	(0.9%)	(13,100)	43,614	35,597	3.0%
Service Co-ordination	2,972,790	2,994,880	3,084,726	3,177,268			22,090	89,846	92,542	3.0%
Engineering Systems & Data Collection	1,393,840	1,416,300	1,458,789	1,502,553			22,460	42,489	43,764	3.0%
Compliance & Regulations	734,370	761,330	784,170	807,695			26,960	22,840	23,525	3.0%
Laboratory Services	3,046,710	3,124,760	3,218,503	3,315,058			78,050	93,743	96,555	3.0%
Environmental Monitoring & Enforcement	1,540,050	1,601,670	1,649,720	1,699,212			61,620	48,050	49,492	3.0%
Water Distribution & Wastewater Collection	18,645,410	19,493,290	20,078,089	20,680,431			847,880	584,799	602,343	3.0%
Plant Operations & Maintenance	35,416,160	38,216,970	39,363,479	40,544,383			2,800,810	1,146,509	1,180,904	3.0%
Capital Delivery	1,574,080	1,614,870	1,663,316	1,713,216			40,790	48,446	49,899	3.0%
Sustainable Initiatives	1,358,260	1,171,730	1,206,882	1,243,088			(186,530)	35,152	36,206	3.0%
Infrastructure & Source Water Planning	1,810,240	2,253,770	2,321,383	2,391,025			443,530	67,613	69,641	3.0%
Wastewater Abatement Program	585,000	585,000	602,550	620,627			-	17,550	18,077	3.0%
Horizon Utilities Service Contract	4,607,000	4,608,000	4,746,240	4,888,627			1,000	138,240	142,387	3.0%
Corporate & Departmental Support Services	5,890,010	5,689,650	5,839,740	6,014,932			(220,360)	170,090	175,192	3.0%
Utilities Arrears Program	500,000	500,000	500,000	500,000			-	-	-	0.0%
Hamilton Harbour Remedial Action Plan	335,000	500,000	515,000	530,450			165,000	15,000	15,450	3.0%
Protective Plumbing Program (3P)	2,500,000	2,500,000	2,575,250	2,652,250			-	75,000	77,250	3.0%
Financial Charges	307,330	307,330	316,550	326,046			-	9,220	9,496	3.0%
Capital and Reserve Recoveries	(7,437,280)	(7,968,600)	(8,207,658)	(8,453,888)			(531,320)	(239,058)	(246,230)	3.0%
Sub-Total Environmental Services	80,777,460	84,464,870	86,983,816	89,578,331			3,687,410	2,518,946	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)	8,587,000	2,665,000	5.6%
Wastewater	27,178,000	41,695,000	30,480,000	29,380,000			14,517,000	(11,215,000)	(1,100,000)	(3.6%)
Stormwater	11,579,000	7,415,000	9,179,000	6,925,000			(4,164,000)	1,764,000	(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	(864,000)	(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)	(100,000)	(50,000)	(1.8%)
Wastewater	4,040,000	3,990,000	3,870,000	3,800,000			(50,000)	(120,000)	(70,000)	(1.8%)
Stormwater	760,000	750,000	730,000	720,000			(10,000)	(20,000)	(10,000)	(1.4%)
Sub-Total Contributions for DC Exemptions	7,750,000	7,640,000	7,400,000	7,270,000			(110,000)	(240,000)	(130,000)	(1.8%)
Debt Charges										
Water Quality Initiatives	7,021,360	7,399,742	13,477,461	19,868,251			378,382	6,077,720	6,390,790	47.4%
Wastewater	5,503,810	6,944,812	12,306,155	18,453,540			1,441,002	5,361,342	6,147,365	50.0%
Stormwater	2,032,750	1,706,586	4,582,563	7,623,763			(326,164)	2,875,997	3,041,200	66.4%
DC Debt Charges Recoveries	(2,237,590)	(3,866,744)	(1,237,308)	(19,348,031)			(1,629,154)	(7,370,565)	(8,110,722)	72.2%
Sub-Total Debt Charges	12,320,330	12,184,397	19,128,891	26,597,543			(135,933)	6,944,494	7,468,652	39.0%
Sub-Total Capital Financing	98,057,330	107,631,397	113,471,891	120,121,543			9,574,067	5,840,494	6,649,652	5.9%
Reserve Transfers										
Sub-Total Capital and Reserve Impacts on Operating	4,919,990	249,243	327,904	554,478			(4,670,747)	78,660	226,574	69.1%
TOTAL EXPENDITURES	102,977,320	107,880,640	113,799,794	120,676,021			4,903,320	5,919,154	6,876,227	6.0%
	183,754,780	192,345,510	200,783,611	210,254,352			8,590,730	8,438,101	9,470,741	4.7%

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

	2015 RESTATED BUDGET \$	2016 REQUESTED BUDGET \$	2017 PROJECTED BUDGET \$	2018 PROJECTED BUDGET \$	CHANGE 2015 RESTATED BUDGET / 2016 REQUESTED BUDGET %	CHANGE 2016 REQUESTED BUDGET / 2017 PROJECTED BUDGET %	CHANGE 2017 PROJECTED BUDGET / 2018 PROJECTED BUDGET %
REVENUES:							
Rate Revenue							
Residential	79,608,230	83,283,250	87,622,314	92,386,216	3,685,020	4,329,064	4,763,902
Industrial/Commercial/Institutional/Multi-res	90,535,360	94,800,560	98,547,262	102,880,316	4,265,200	3,746,702	4,333,054
Halldimand	2,284,240	2,206,690	2,211,941	2,212,671	(57,550)	5,251	730
Halton	209,860	219,150	227,483	236,775	9,290	8,333	9,292
Non-Metered	575,000	425,000	440,000	460,000	(150,000)	15,000	20,000
Private Fire Lines	875,000	950,000	978,500	1,007,855	75,000	28,500	29,355
Hauler / 3rd Party Sales	1,489,920	1,474,920	1,519,168	1,564,743	(15,000)	44,248	45,575
Oversrength Agreements	1,844,610	2,200,000	2,266,000	2,333,980	355,390	66,000	67,980
Sewer Surcharge Agreements	3,835,100	4,200,000	4,326,000	4,455,780	364,900	126,000	129,780
Sub-Total Utility Rates	181,237,320	189,769,570	198,138,668	207,558,336	8,532,250	8,369,098	9,399,668
Non-Rate Revenue							
Local Improvement Recoveries	275,850	275,850	275,850	275,850	-	-	-
Permits/Leases/Agreements	1,308,300	1,307,910	1,347,147	1,387,562	(390)	39,237	40,414
General Fees and Recoveries	933,310	982,180	1,021,945	1,052,604	58,870	29,765	30,658
Sub-Total Non-Rate Revenue	2,517,460	2,575,940	2,644,943	2,716,015	58,480	69,003	71,073
TOTAL REVENUES	183,754,780	192,345,510	200,783,611	210,254,352	8,590,730	8,438,101	9,470,741
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	68,575
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	102,880	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
Haltou	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