

CITY OF HAMILTON
2016 to 2025 RATE PROGRAM CAPITAL BUDGET SUMMARY
(\$000'S)

	Gross Costs	Subsidy/ Other Revenues	Net Costs	Dev. Charges		Other Internal Sources	Funding Required	Financing Source	
				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2016 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	53,227	75	53,152	-	-	5,952	47,200	47,200	-
Projects Coordinated with Roads Program	13,160	-	13,160	-	-	950	12,210	12,210	-
S.E.R.G. Projects	3,530	-	3,530	-	-	2,450	1,080	1,080	-
Treatment Plant/Outstations Projects	18,515	-	18,515	-	-	7,065	11,450	11,450	-
Treatment Plant/Outstations Projects-WQI	3,420	-	3,420	-	-	-	3,420	3,420	-
Sub-Total	91,852	75	91,777	-	-	16,417	75,360	75,360	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	20,090	4,606	15,484	759	391	2,150	12,184	9,110	3,074
Sub-Total	20,090	4,606	15,484	759	391	2,150	12,184	9,110	3,074
Master Plan									
Horizontal Assets	68,540	-	68,540	43,625	22,475	-	2,440	2,440	-
Vertical Assets	2,220	-	2,220	1,421	732	-	67	67	-
Sub-Total	70,760	-	70,760	45,046	23,207	-	2,507	2,507	-
Development Program									
Development\Extension Projects	10,220	-	10,220	6,346	3,044	-	830	830	-
Sub-Total	10,220	-	10,220	6,346	3,044	-	830	830	-
Total	192,922	4,681	188,241	52,151	26,642	18,567	90,881	87,807	3,074
2017 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	40,424	75	40,349	132	68	-	40,149	40,149	-
Projects Coordinated with Roads Program	16,480	-	16,480	-	-	-	16,480	16,480	-
S.E.R.G. Projects	2,544	-	2,544	-	-	-	2,544	2,544	-
Treatment Plant/Outstations Projects	32,410	-	32,410	210	127	-	32,073	22,958	9,115
Treatment Plant/Outstations Projects-WQI	1,800	-	1,800	-	-	-	1,800	1,800	-
Sub-Total	93,658	75	93,583	342	195	-	93,046	83,931	9,115
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	50,285	36,494	13,791	2,766	1,425	9,000	600	600	-
Sub-Total	50,285	36,494	13,791	2,766	1,425	9,000	600	600	-
Master Plan									
Horizontal Assets	48,990	-	48,990	31,977	16,703	-	310	310	-
Vertical Assets	12,790	-	12,790	8,251	4,237	-	302	302	-
Sub-Total	61,780	-	61,780	40,228	20,940	-	612	612	-
Development Program									
Development\Extension Projects	11,470	-	11,470	7,669	2,001	-	1,800	1,800	-
Sub-Total	11,470	-	11,470	7,669	2,001	-	1,800	1,800	-
Total	217,193	36,569	180,624	51,005	24,561	9,000	96,058	86,943	9,115

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2018 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	39,776	75	39,701	33	17	-	39,651	39,651	-
Projects Coordinated with Roads Program	13,040	-	13,040	-	-	-	13,040	13,040	-
S.E.R.G. Projects	610	-	610	-	-	-	610	610	-
Treatment Plant/Outstations Projects	36,340	-	36,340	1,357	939	-	34,044	22,731	11,313
Treatment Plant/Outstations Projects-WQI	5,450	-	5,450	-	-	-	5,450	5,450	-
Sub-Total	95,216	75	95,141	1,390	956	-	92,795	81,482	11,313
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	96,469	63,362	33,107	3,899	2,008	25,000	2,200	2,200	-
Sub-Total	96,469	63,362	33,107	3,899	2,008	25,000	2,200	2,200	-
Master Plan									
Horizontal Assets	49,700	-	49,700	31,907	15,221	-	2,572	2,572	-
Vertical Assets	660	-	660	455	205	-	-	-	-
Sub-Total	50,360	-	50,360	32,362	15,426	-	2,572	2,572	-
Development Program									
Development/Extension Projects	15,350	-	15,350	8,847	2,353	4,150	-	-	-
Sub-Total	15,350	-	15,350	8,847	2,353	4,150	-	-	-
Total	257,395	63,437	193,958	46,498	20,743	29,150	97,567	86,254	11,313
2019 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	46,618	75	46,543	132	68	-	46,343	44,293	2,050
Projects Coordinated with Roads Program	16,900	-	16,900	-	-	-	16,900	2,186	14,714
S.E.R.G. Projects	1,320	-	1,320	-	-	-	1,320	1,320	-
Treatment Plant/Outstations Projects	24,620	-	24,620	1,129	778	-	22,713	22,713	-
Treatment Plant/Outstations Projects-WQI	710	-	710	-	-	-	710	710	-
Sub-Total	90,168	75	90,093	1,261	846	-	87,986	71,222	16,764
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	119,621	74,270	45,351	4,633	2,387	17,000	21,331	11,303	10,028
Sub-Total	119,621	74,270	45,351	4,633	2,387	17,000	21,331	11,303	10,028
Master Plan									
Horizontal Assets	4,500	-	4,500	2,812	1,238	-	450	450	-
Vertical Assets	10,310	-	10,310	4,070	2,080	-	4,160	4,160	-
Sub-Total	14,810	-	14,810	6,882	3,318	-	4,610	4,610	-
Development Program									
Development/Extension Projects	9,430	-	9,430	6,666	1,514	-	1,250	1,250	-
Sub-Total	9,430	-	9,430	6,666	1,514	-	1,250	1,250	-
Total	234,029	74,345	159,684	19,442	8,065	17,000	115,177	88,385	26,792

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2020 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	48,110	75	48,035	33	17	-	47,985	47,985	-
Projects Coordinated with Roads Program	16,290	-	16,290	-	-	-	16,290	16,290	-
S.E.R.G. Projects	440	-	440	-	-	-	440	440	-
Treatment Plant/Outstations Projects	19,980	-	19,980	1,129	778	-	18,073	12,050	6,023
Treatment Plant/Outstations Projects-WQI	1,080	-	1,080	-	-	-	1,080	1,080	-
Sub-Total	85,900	75	85,825	1,162	795	-	83,868	77,845	6,023
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	73,003	-	73,003	5,539	2,853	20,000	44,611	14,570	30,041
Sub-Total	73,003	-	73,003	5,539	2,853	20,000	44,611	14,570	30,041
Master Plan									
Horizontal Assets	4,950	223	4,727	2,560	2,167	-	-	-	-
Vertical Assets	2,720	-	2,720	1,620	750	-	350	350	-
Sub-Total	7,670	223	7,447	4,180	2,917	-	350	350	-
Development Program									
Development/Extension Projects	9,100	-	9,100	7,095	1,615	-	390	390	-
Sub-Total	9,100	-	9,100	7,095	1,615	-	390	390	-
Total	175,673	298	175,375	17,976	8,180	20,000	129,219	93,155	36,064
2021 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	50,913	75	50,838	132	68	-	50,638	50,638	-
Projects Coordinated with Roads Program	16,160	-	16,160	-	-	-	16,160	16,160	-
S.E.R.G. Projects	2,020	-	2,020	-	-	-	2,020	2,020	-
Treatment Plant/Outstations Projects	18,710	-	18,710	1,345	931	-	16,434	16,434	-
Treatment Plant/Outstations Projects-WQI	1,130	-	1,130	-	-	-	1,130	1,130	-
Sub-Total	88,933	75	88,858	1,477	999	-	86,382	86,382	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	6,798	-	6,798	551	284	-	5,963	5,963	-
Sub-Total	6,798	-	6,798	551	284	-	5,963	5,963	-
Master Plan									
Horizontal Assets	9,400	1,481	7,919	-	5,689	-	2,230	2,230	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	9,400	1,481	7,919	-	5,689	-	2,230	2,230	-
Development Program									
Development/Extension Projects	6,720	-	6,720	5,536	784	-	400	400	-
Sub-Total	6,720	-	6,720	5,536	784	-	400	400	-
Total	111,851	1,556	110,295	7,564	7,756	-	94,975	94,975	-

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	Gross Costs	Subsidy/ Other Revenues	Net Costs	Dev. Charges		Other Internal Sources	Funding Required	Financing Source	
				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2022 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	65,626	75	65,551	33	17	-	65,501	65,501	-
Projects Coordinated with Roads Program	17,660	-	17,660	-	-	-	17,660	17,660	-
S.E.R.G. Projects	1,900	-	1,900	-	-	-	1,900	1,900	-
Treatment Plant/Outstations Projects	11,420	-	11,420	643	433	-	10,344	10,344	-
Treatment Plant/Outstations Projects-WQI	4,700	-	4,700	-	-	-	4,700	4,700	-
Sub-Total	101,306	75	101,231	676	450	-	100,105	100,105	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	180	-	180	-	-	-	180	180	-
Sub-Total	180	-	180	-	-	-	180	180	-
Master Plan									
Horizontal Assets	-	-	-	-	-	-	-	-	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Development Program									
Development/Extension Projects	4,000	-	4,000	4,000	-	-	-	-	-
Sub-Total	4,000	-	4,000	4,000	-	-	-	-	-
Total	105,486	75	105,411	4,676	450	-	100,285	100,285	-
2023 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	57,078	75	57,003	132	68	-	56,803	56,803	-
Projects Coordinated with Roads Program	18,210	-	18,210	-	-	-	18,210	18,210	-
S.E.R.G. Projects	2,870	-	2,870	-	-	-	2,870	2,870	-
Treatment Plant/Outstations Projects	40,470	-	40,470	6,801	3,667	-	30,002	30,002	-
Treatment Plant/Outstations Projects-WQI	50	-	50	-	-	-	50	50	-
Sub-Total	118,678	75	118,603	6,933	3,735	-	107,935	107,935	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
Sub-Total	50	-	50	-	-	-	50	50	-
Master Plan									
Horizontal Assets	-	-	-	-	-	-	-	-	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Development Program									
Development/Extension Projects	4,800	-	4,800	4,276	124	-	400	400	-
Sub-Total	4,800	-	4,800	4,276	124	-	400	400	-
Total	123,528	75	123,453	11,209	3,859	-	108,385	108,385	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2024 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	73,213	75	73,138	33	17	-	73,088	73,088	-
Projects Coordinated with Roads Program	18,160	-	18,160	-	-	-	18,160	18,160	-
S.E.R.G. Projects	2,040	-	2,040	-	-	-	2,040	2,040	-
Treatment Plant/Outstations Projects	30,420	-	30,420	5,624	3,000	-	21,796	21,796	-
Treatment Plant/Outstations Projects-WQI	50	-	50	-	-	-	50	50	-
Sub-Total	123,883	75	123,808	5,657	3,017	-	115,134	115,134	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
Sub-Total	50	-	50	-	-	-	50	50	-
Master Plan									
Horizontal Assets	2,300	-	2,300	-	1,310	-	990	990	-
Vertical Assets	1,980	-	1,980	1,310	670	-	-	-	-
Sub-Total	4,280	-	4,280	1,310	1,980	-	990	990	-
Development Program									
Development/Extension Projects	4,000	-	4,000	4,000	-	-	-	-	-
Sub-Total	4,000	-	4,000	4,000	-	-	-	-	-
Total	132,213	75	132,138	10,967	4,997	-	116,174	116,174	-
2025 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	91,017	75	90,942	132	68	-	90,742	90,742	-
Projects Coordinated with Roads Program	18,720	-	18,720	-	-	-	18,720	18,720	-
S.E.R.G. Projects	1,680	-	1,680	-	-	-	1,680	1,680	-
Treatment Plant/Outstations Projects	18,970	-	18,970	4,219	2,204	-	12,547	12,547	-
Treatment Plant/Outstations Projects-WQI	50	-	50	-	-	-	50	50	-
Sub-Total	130,437	75	130,362	4,351	2,272	-	123,739	123,739	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
Sub-Total	50	-	50	-	-	-	50	50	-
Master Plan									
Horizontal Assets	9,030	30	9,000	-	9,000	-	-	-	-
Vertical Assets	5,610	-	5,610	3,740	1,870	-	-	-	-
Sub-Total	14,640	30	14,610	3,740	10,870	-	-	-	-
Development Program									
Development/Extension Projects	4,800	-	4,800	4,276	124	-	400	400	-
Sub-Total	4,800	-	4,800	4,276	124	-	400	400	-
Total	149,927	105	149,822	12,367	13,266	-	124,189	124,189	-

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Total Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	566,002	750	565,252	792	408	5,952	558,100	556,050	2,050
Projects Coordinated with Roads Program	164,780	-	164,780	-	-	950	163,830	149,116	14,714
S.E.R.G. Projects	18,954	-	18,954	-	-	2,450	16,504	16,504	-
Treatment Plant/Outstations Projects	251,855	-	251,855	22,457	12,857	7,065	209,476	183,025	26,451
Treatment Plant/Outstations Projects-WQI	18,440	-	18,440	-	-	-	18,440	18,440	-
Sub-Total	1,020,031	750	1,019,281	23,249	13,265	16,417	966,350	923,135	43,215
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	366,596	178,732	187,864	18,147	9,348	73,150	87,219	44,076	43,143
Sub-Total	366,596	178,732	187,864	18,147	9,348	73,150	87,219	44,076	43,143
Master Plan									
Horizontal Assets	197,410	1,734	195,676	112,881	73,803	-	8,992	8,992	-
Vertical Assets	36,290	-	36,290	20,867	10,544	-	4,879	4,879	-
Sub-Total	233,700	1,734	231,966	133,748	84,347	-	13,871	13,871	-
Development Program									
Development/Extension Projects	79,890	-	79,890	58,711	11,559	4,150	5,470	5,470	-
Sub-Total	79,890	-	79,890	58,711	11,559	4,150	5,470	5,470	-
Total	1,700,217	181,216	1,519,001	233,855	118,519	93,717	1,072,910	986,552	86,358