

CITY OF HAMILTON
2011-2020 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)
2011 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	51,445	-	51,445	1,042	604	12,180	37,619	37,619	-
Projects Coordinated with Roads Program	13,960	-	13,960	-	-	-	13,960	11,961	1,999
S.E.R.G. Projects	10,400	-	10,400	-	-	-	10,400	2,350	8,050
Treatment Plant/Outstations Projects	66,660	25,000	41,660	4,963	2,757	18,010	15,930	15,930	-
Treatment Plant/Outstations Projects-WQI	3,690	-	3,690	-	-	-	3,690	3,690	-
Sub-Total	146,155	25,000	121,155	6,005	3,361	30,190	81,599	71,550	10,049
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	37,490	23,100	14,390	-	-	12,300	2,090	2,090	-
Sub-Total	37,490	23,100	14,390	-	-	12,300	2,090	2,090	-
Master Plan									
Horizontal Assets	7,980	-	7,980	3,389	1,991	-	2,600	2,600	-
Vertical Assets	4,490	-	4,490	2,828	1,662	-	-	-	-
Sub-Total	12,470	-	12,470	6,217	3,653	-	2,600	2,600	-
Development Program									
Development\Extension Projects	13,960	1,520	12,440	7,265	3,955	-	1,220	1,220	-
Sub-Total	13,960	1,520	12,440	7,265	3,955	-	1,220	1,220	-
Total	210,075	49,620	160,455	19,487	10,969	42,490	87,509	77,460	10,049
2012 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	38,937	75	38,862	634	373	-	37,855	36,216	1,639
Projects Coordinated with Roads Program	5,940	-	5,940	-	-	-	5,940	5,940	-
S.E.R.G. Projects	13,370	-	13,370	-	-	-	13,370	1,370	12,000
Treatment Plant/Outstations Projects	13,000	5,000	8,000	-	-	-	8,000	3,845	4,155
Treatment Plant/Outstations Projects-WQI	4,130	-	4,130	-	-	-	4,130	4,130	-
Sub-Total	75,377	5,075	70,302	634	373	-	69,295	51,501	17,794
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	27,630	14,300	13,330	-	-	-	13,330	13,330	-
Sub-Total	27,630	14,300	13,330	-	-	-	13,330	13,330	-
Master Plan									
Horizontal Assets	26,770	-	26,770	15,482	9,088	-	2,200	2,200	-
Vertical Assets	20,350	-	20,350	10,006	9,694	-	650	650	-
Sub-Total	47,120	-	47,120	25,488	18,782	-	2,850	2,850	-
Development Program									
Development\Extension Projects	12,660	200	12,460	6,437	4,058	-	1,965	1,965	-
Sub-Total	12,660	200	12,460	6,437	4,058	-	1,965	1,965	-
Total	162,787	19,575	143,212	32,559	23,213	-	87,440	69,646	17,794

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2013 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	35,147	75	35,072	949	558	-	33,565	33,075	490
Projects Coordinated with Roads Program	4,690	-	4,690	-	-	-	4,690	4,690	-
S.E.R.G. Projects	1,500	-	1,500	-	-	-	1,500	500	1,000
Treatment Plant/Outstations Projects	46,600	-	46,600	-	-	-	46,600	20,425	26,175
Treatment Plant/Outstations Projects-WQI	30	-	30	-	-	-	30	30	-
Sub-Total	87,967	75	87,892	949	558	-	86,385	58,720	27,665
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	20,430	13,500	6,930	-	-	-	6,930	6,930	-
Sub-Total	20,430	13,500	6,930	-	-	-	6,930	6,930	-
Master Plan									
Horizontal Assets	44,820	-	44,820	27,193	15,977	-	1,650	1,650	-
Vertical Assets	1,000	-	1,000	-	-	-	1,000	1,000	-
Sub-Total	45,820	-	45,820	27,193	15,977	-	2,650	2,650	-
Development Program									
Development\Extension Projects	4,400	-	4,400	2,766	1,434	-	200	200	-
Sub-Total	4,400	-	4,400	2,766	1,434	-	200	200	-
Total	158,617	13,575	145,042	30,908	17,969	-	96,165	68,500	27,665
2014 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	46,160	75	46,085	611	359	-	45,115	45,115	-
Projects Coordinated with Roads Program	10,420	-	10,420	-	-	-	10,420	8,102	2,318
S.E.R.G. Projects	1,100	-	1,100	-	-	-	1,100	1,100	-
Treatment Plant/Outstations Projects	6,800	-	6,800	-	-	-	6,800	3,150	3,650
Treatment Plant/Outstations Projects-WQI	110	-	110	-	-	-	110	110	-
Sub-Total	64,590	75	64,515	611	359	-	63,545	57,577	5,968
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	23,610	15,500	8,110	-	-	-	8,110	3,848	4,262
Sub-Total	23,610	15,500	8,110	-	-	-	8,110	3,848	4,262
Master Plan									
Horizontal Assets	14,720	-	14,720	8,514	5,006	-	1,200	1,200	-
Vertical Assets	6,900	-	6,900	2,744	1,606	-	2,550	2,550	-
Sub-Total	21,620	-	21,620	11,258	6,612	-	3,750	3,750	-
Development Program									
Development\Extension Projects	4,900	-	4,900	3,031	1,589	-	280	280	-
Sub-Total	4,900	-	4,900	3,031	1,589	-	280	280	-
Total	114,720	15,575	99,145	14,900	8,560	-	75,685	65,455	10,230

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2015 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	32,520	75	32,445	611	359	-	31,475	31,475	-
Projects Coordinated with Roads Program	4,930	-	4,930	-	-	-	4,930	4,930	-
S.E.R.G. Projects	2,900	-	2,900	-	-	-	2,900	2,900	-
Treatment Plant/Outstations Projects	13,600	-	13,600	-	-	-	13,600	13,600	-
Treatment Plant/Outstations Projects-WQI	1,070	-	1,070	-	-	-	1,070	1,070	-
Sub-Total	55,020	75	54,945	611	359	-	53,975	53,975	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	16,270	5,400	10,870	780	560	-	9,530	9,530	-
Sub-Total	16,270	5,400	10,870	780	560	-	9,530	9,530	-
Master Plan									
Horizontal Assets	18,060	-	18,060	10,622	6,238	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	18,060	-	18,060	10,622	6,238	-	1,200	1,200	-
Development Program									
Development\Extension Projects	10,690	-	10,690	5,522	3,058	-	2,110	2,110	-
Sub-Total	10,690	-	10,690	5,522	3,058	-	2,110	2,110	-
Total	100,040	5,475	94,565	17,535	10,215	-	66,815	66,815	-
2016 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	31,000	75	30,925	611	359	-	29,955	29,955	-
Projects Coordinated with Roads Program	2,660	-	2,660	-	-	-	2,660	2,660	-
S.E.R.G. Projects	1,360	-	1,360	-	-	-	1,360	1,360	-
Treatment Plant/Outstations Projects	24,600	-	24,600	-	-	-	24,600	24,600	-
Treatment Plant/Outstations Projects-WQI	1,280	-	1,280	-	-	-	1,280	1,280	-
Sub-Total	60,900	75	60,825	611	359	-	59,855	59,855	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	18,380	5,400	12,980	-	-	-	12,980	12,980	-
Sub-Total	18,380	5,400	12,980	-	-	-	12,980	12,980	-
Master Plan									
Horizontal Assets	21,600	-	21,600	12,856	7,544	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	21,600	-	21,600	12,856	7,544	-	1,200	1,200	-
Development Program									
Development\Extension Projects	4,500	-	4,500	2,829	1,471	-	200	200	-
Sub-Total	4,500	-	4,500	2,829	1,471	-	200	200	-
Total	105,380	5,475	99,905	16,296	9,374	-	74,235	74,235	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2017 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	39,640	75	39,565	611	359	-	38,595	38,595	-
Projects Coordinated with Roads Program	5,520	-	5,520	-	-	-	5,520	5,520	-
S.E.R.G. Projects	1,000	-	1,000	-	-	-	1,000	1,000	-
Treatment Plant/Outstations Projects	6,600	-	6,600	-	-	-	6,600	6,600	-
Treatment Plant/Outstations Projects-WQI	1,080	-	1,080	-	-	-	1,080	1,080	-
Sub-Total	53,840	75	53,765	611	359	-	52,795	52,795	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	223,880	104,000	119,880	61,163	3,737	-	54,980	22,005	32,975
Sub-Total	223,880	104,000	119,880	61,163	3,737	-	54,980	22,005	32,975
Master Plan									
Horizontal Assets	14,520	-	14,520	7,766	4,554	-	2,200	2,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	14,520	-	14,520	7,766	4,554	-	2,200	2,200	-
Development Program									
Development\Extension Projects	4,530	-	4,530	2,848	1,482	-	200	200	-
Sub-Total	4,530	-	4,530	2,848	1,482	-	200	200	-
Total	296,770	104,075	192,695	72,388	10,132	-	110,175	77,200	32,975
2018 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	31,690	75	31,615	611	359	-	30,645	30,645	-
Projects Coordinated with Roads Program	1,410	-	1,410	-	-	-	1,410	1,410	-
S.E.R.G. Projects	1,630	-	1,630	-	-	-	1,630	1,630	-
Treatment Plant/Outstations Projects	6,600	-	6,600	-	-	-	6,600	6,600	-
Treatment Plant/Outstations Projects-WQI	1,070	-	1,070	-	-	-	1,070	1,070	-
Sub-Total	42,400	75	42,325	611	359	-	41,355	41,355	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	207,670	34,100	173,570	133,350	-	-	40,220	35,342	4,878
Sub-Total	207,670	34,100	173,570	133,350	-	-	40,220	35,342	4,878
Master Plan									
Horizontal Assets	2,640	-	2,640	278	162	-	2,200	2,200	-
Vertical Assets	680	-	680	380	230	-	70	70	-
Sub-Total	3,320	-	3,320	658	392	-	2,270	2,270	-
Development Program									
Development\Extension Projects	4,400	-	4,400	2,766	1,434	-	200	200	-
Sub-Total	4,400	-	4,400	2,766	1,434	-	200	200	-
Total	257,790	34,175	223,615	137,385	2,185	-	84,045	79,167	4,878

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2019 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	62,420	75	62,345	611	359	-	61,375	61,375	-
Projects Coordinated with Roads Program	1,040	-	1,040	-	-	-	1,040	1,040	-
S.E.R.G. Projects	1,350	-	1,350	-	-	-	1,350	1,350	-
Treatment Plant/Outstations Projects	6,600	-	6,600	-	-	-	6,600	6,600	-
Treatment Plant/Outstations Projects-WQI	1,280	-	1,280	-	-	-	1,280	1,280	-
Sub-Total	72,690	75	72,615	611	359	-	71,645	71,645	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	92,880	-	92,880	92,600	-	-	280	280	-
Sub-Total	92,880	-	92,880	92,600	-	-	280	280	-
Master Plan									
Horizontal Assets	2,760	-	2,760	983	577	-	1,200	1,200	-
Vertical Assets	6,120	-	6,120	3,480	2,030	-	610	610	-
Sub-Total	8,880	-	8,880	4,463	2,607	-	1,810	1,810	-
Development Program									
Development\Extension Projects	4,400	-	4,400	2,766	1,434	-	200	200	-
Sub-Total	4,400	-	4,400	2,766	1,434	-	200	200	-
Total	178,850	75	178,775	100,440	4,400	-	73,935	73,935	-
2020 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	64,860	75	64,785	611	359	-	63,815	63,815	-
Projects Coordinated with Roads Program	2,240	-	2,240	-	-	-	2,240	2,240	-
S.E.R.G. Projects	500	-	500	-	-	-	500	500	-
Treatment Plant/Outstations Projects	6,600	-	6,600	-	-	-	6,600	6,600	-
Treatment Plant/Outstations Projects-WQI	1,090	-	1,090	-	-	-	1,090	1,090	-
Sub-Total	75,290	75	75,215	611	359	-	74,245	74,245	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	90	-	90	-	-	-	90	90	-
Sub-Total	90	-	90	-	-	-	90	90	-
Master Plan									
Horizontal Assets	1,400	-	1,400	126	74	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	1,400	-	1,400	126	74	-	1,200	1,200	-
Development Program									
Development\Extension Projects	1,150	-	1,150	126	74	-	950	950	-
Sub-Total	1,150	-	1,150	126	74	-	950	950	-
Total	77,930	75	77,855	863	507	-	76,485	76,485	-

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Total Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	433,819	675	433,144	6,902	4,048	12,180	410,014	407,885	2,129
Projects Coordinated with Roads Program	52,810	-	52,810	-	-	-	52,810	48,493	4,317
S.E.R.G. Projects	35,110	-	35,110	-	-	-	35,110	14,060	21,050
Treatment Plant/Outstations Projects	197,660	30,000	167,660	4,963	2,757	18,010	141,930	107,950	33,980
Treatment Plant/Outstations Projects-WQI	14,830	-	14,830	-	-	-	14,830	14,830	-
Sub-Total	734,229	30,675	703,554	11,865	6,805	30,190	654,694	593,218	61,476
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	668,330	215,300	453,030	287,893	4,297	12,300	148,540	106,425	42,115
Sub-Total	668,330	215,300	453,030	287,893	4,297	12,300	148,540	106,425	42,115
Master Plan									
Horizontal Assets	155,270	-	155,270	87,209	51,211	-	16,850	16,850	-
Vertical Assets	39,540	-	39,540	19,438	15,222	-	4,880	4,880	-
Sub-Total	194,810	-	194,810	106,647	66,433	-	21,730	21,730	-
Development Program									
Development\Extension Projects	65,590	1,720	63,870	36,356	19,989	-	7,525	7,525	-
Sub-Total	65,590	1,720	63,870	36,356	19,989	-	7,525	7,525	-
Total	1,662,959	247,695	1,415,264	442,761	97,524	42,490	832,489	728,898	103,591