

CITY OF HAMILTON
2016 to 2025 WASTEWATER 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	23,695	-	23,695	-	-	1,875	21,820	21,820	
Projects Coordinated with Roads Program	3,100	-	3,100	-	-	-	3,100	3,100	
Treatment Plant/Outstations Projects	6,925	-	6,925	-	-	260	6,665	6,665	-
Treatment Plant/Outstations Projects-WQI	1,000	-	1,000	-	-	-	1,000	1,000	
Sub-Total	34,720	-	34,720	-	-	2,135	32,585	32,585	-
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	47,070	-	47,070	31,065	16,005	-	-	-	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	47,070	-	47,070	31,065	16,005	-	-	-	-
Development Program									
Development\Extension Projects	280	-	280	193	87	-	-	-	-
Sub-Total	280	-	280	193	87	-	-	-	-
Total	102,160	4,606	97,554	32,017	16,483	4,285	44,769	41,695	3,074
2017 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	17,030	-	17,030	132	68	-	16,830	16,830	-
Projects Coordinated with Roads Program	820	-	820	-	-	-	820	820	-
Treatment Plant/Outstations Projects	11,030	-	11,030	-	-	-	11,030	11,030	-
Treatment Plant/Outstations Projects-WQI	1,000	-	1,000	-	-	-	1,000	1,000	-
Sub-Total	29,880	-	29,880	132	68	-	29,680	29,680	-
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	29,940	-	29,940	19,761	10,179	-	-	-	-
Vertical Assets	260	-	260	179	81	-	-	-	-
Sub-Total	30,200	-	30,200	19,940	10,260	-	-	-	-
Development Program									
Development\Extension Projects	1,230	-	1,230	688	342	-	200	200	-
Sub-Total	1,230	-	1,230	688	342	-	200	200	-
Total	111,595	36,494	75,101	23,526	12,095	9,000	30,480	30,480	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
				2018 Sustainable Asset Management Strategy (SAM)					
Rehabilitation, Replacement & Upgrade Projects	17,090	-	17,090	33	17	-	17,040	17,040	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	9,590	-	9,590	-	-	-	9,590	9,590	-
Treatment Plant/Outstations Projects-WQI	550	-	550	-	-	-	550	550	-
Sub-Total	27,230	-	27,230	33	17	-	27,180	27,180	-
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	29,940	-	29,940	19,761	10,179	-	-	-	-
Vertical Assets	660	-	660	455	205	-	-	-	-
Sub-Total	30,600	-	30,600	20,216	10,384	-	-	-	-
Development Program									
Development\Extension Projects	9,480	-	9,480	3,678	1,652	4,150	-	-	-
Sub-Total	9,480	-	9,480	3,678	1,652	4,150	-	-	-
Total	163,779	63,362	100,417	27,826	14,061	29,150	29,380	29,380	-
2019 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	19,320	-	19,320	132	68	-	19,120	19,120	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	9,930	-	9,930	-	-	-	9,930	9,930	-
Treatment Plant/Outstations Projects-WQI	550	-	550	-	-	-	550	550	-
Sub-Total	29,800	-	29,800	132	68	-	29,600	29,600	-
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	450	-	450	-	-	-	450	450	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	450	-	450	-	-	-	450	450	-
Development Program									
Development\Extension Projects	400	-	400	138	62	-	200	200	-
Sub-Total	400	-	400	138	62	-	200	200	-
Total	150,271	74,270	76,001	4,903	2,517	17,000	51,581	41,553	10,028

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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)
2020 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	18,790	-	18,790	33	17	-	18,740	18,740	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	3,380	-	3,380	-	-	-	3,380	3,380	-
Treatment Plant/Outstations Projects-WQI	550	-	550	-	-	-	550	550	-
Sub-Total	22,970	-	22,970	33	17	-	22,920	22,920	-
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	-	-	-	-	-	-	-	-	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-
Development Program									
Development\Extension Projects	400	-	400	260	140	-	-	-	-
Sub-Total	400	-	400	260	140	-	-	-	-
Total	96,373	-	96,373	5,832	3,010	20,000	67,531	37,490	30,041
2021 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	19,870	-	19,870	132	68	-	19,670	19,670	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	4,460	-	4,460	-	-	-	4,460	4,460	-
Treatment Plant/Outstations Projects-WQI	500	-	500	-	-	-	500	500	-
Sub-Total	24,830	-	24,830	132	68	-	24,630	24,630	-
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	2,230	-	2,230	-	-	-	2,230	2,230	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	2,230	-	2,230	-	-	-	2,230	2,230	-
Development Program									
Development\Extension Projects	400	-	400	138	62	-	200	200	-
Sub-Total	400	-	400	138	62	-	200	200	-
Total	34,258	-	34,258	821	414	-	33,023	33,023	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2022 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	39,471	-	39,471	33	17	-	39,421	39,421	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	3,270	-	3,270	-	-	-	3,270	3,270	-
Treatment Plant/Outstations Projects-WQI	-	-	-	-	-	-	-	-	-
Sub-Total	42,741	-	42,741	33	17	-	42,691	42,691	-
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	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-
Development Program									
Development\Extension Projects	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-
Total	42,921	-	42,921	33	17	-	42,871	42,871	-
2023 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	28,831	-	28,831	132	68	-	28,631	28,631	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	8,270	-	8,270	3,300	1,700	-	3,270	3,270	-
Treatment Plant/Outstations Projects-WQI	-	-	-	-	-	-	-	-	-
Sub-Total	37,101	-	37,101	3,432	1,768	-	31,901	31,901	-
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	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-
Development Program									
Development\Extension Projects	400	-	400	138	62	-	200	200	-
Sub-Total	400	-	400	138	62	-	200	200	-
Total	37,551	-	37,551	3,570	1,830	-	32,151	32,151	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
				2024 Sustainable Asset Management Strategy (SAM)					
Rehabilitation, Replacement & Upgrade Projects	41,673	-	41,673	33	17	-	41,623	41,623	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	8,270	-	8,270	3,300	1,700	-	3,270	3,270	-
Treatment Plant/Outstations Projects-WQI	-	-	-	-	-	-	-	-	-
Sub-Total	49,943	-	49,943	3,333	1,717	-	44,893	44,893	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
Sub-Total	50	-	50	-	-	-	50	50	-
Master Plan									
Horizontal Assets	990	-	990	-	-	-	990	990	-
Vertical Assets	-	-	-	-	-	-	-	-	-
Sub-Total	990	-	990	-	-	-	990	990	-
Development Program									
Development\Extension Projects	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-
Total	50,983	-	50,983	3,333	1,717	-	45,933	45,933	-
2025 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	65,255	-	65,255	132	68	-	65,055	65,055	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
S.E.R.G. Projects	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	8,270	-	8,270	3,300	1,700	-	3,270	3,270	-
Treatment Plant/Outstations Projects-WQI	-	-	-	-	-	-	-	-	-
Sub-Total	73,525	-	73,525	3,432	1,768	-	68,325	68,325	-
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	-	-	-	-	-	-	-	-	-
Sub-Total	-	-	-	-	-	-	-	-	-
Development Program									
Development\Extension Projects	400	-	400	138	62	-	200	200	-
Sub-Total	400	-	400	138	62	-	200	200	-
Total	73,975	-	73,975	3,570	1,830	-	68,575	68,575	-

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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)
Total Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	291,025	-	291,025	792	408	1,875	287,950	287,950	-
Projects Coordinated with Roads Program	4,170	-	4,170	-	-	-	4,170	4,170	-
Treatment Plant/Outstations Projects	73,395	-	73,395	9,900	5,100	260	58,135	58,135	-
Treatment Plant/Outstations Projects-WQI	4,150	-	4,150	-	-	-	4,150	4,150	-
Sub-Total	372,740	-	372,740	10,692	5,508	2,135	354,405	354,405	-
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	110,620	-	110,620	70,587	36,363	-	3,670	3,670	-
Vertical Assets	920	-	920	634	286	-	-	-	-
Sub-Total	111,540	-	111,540	71,221	36,649	-	3,670	3,670	-
Development Program									
Development/Extension Projects	12,990	-	12,990	5,371	2,469	4,150	1,000	1,000	-
Sub-Total	12,990	-	12,990	5,371	2,469	4,150	1,000	1,000	-
Total	863,866	178,732	685,134	105,431	53,974	79,435	446,294	403,151	43,143