

CITY OF HAMILTON
2015 to 2024 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)
2015 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	54,880	760	54,120	1,117	879	10,015	42,109	42,109	-
Projects Coordinated with Roads Program	23,900	-	23,900	-	-	1,410	22,490	22,490	-
S.E.R.G. Projects	4,404	-	4,404	174	90	-	4,140	4,140	-
Treatment Plant/Outstations Projects	14,460	-	14,460	-	-	6,390	8,070	8,070	-
Treatment Plant/Outstations Projects-WQI	1,070	-	1,070	-	-	-	1,070	1,070	-
Sub-Total	98,714	760	97,954	1,291	969	17,815	77,879	77,879	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	1,152	-	1,152	105	54	-	993	993	-
Sub-Total	1,152	-	1,152	105	54	-	993	993	-
Master Plan									
Horizontal Assets	24,610	-	24,610	14,482	7,458	2,670	-	-	-
Vertical Assets	9,120	-	9,120	2,864	1,476	4,440	340	340	-
Sub-Total	33,730	-	33,730	17,346	8,934	7,110	340	340	-
Development Program									
Development\Extension Projects	14,440	-	14,440	9,551	2,354	1,710	825	825	-
Sub-Total	14,440	-	14,440	9,551	2,354	1,710	825	825	-
Total	148,036	760	147,276	28,293	12,311	26,635	80,037	80,037	-
2016 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	43,000	75	42,925	658	642	-	41,625	41,625	-
Projects Coordinated with Roads Program	10,470	-	10,470	-	-	-	10,470	10,470	-
S.E.R.G. Projects	2,184	-	2,184	-	-	-	2,184	2,184	-
Treatment Plant/Outstations Projects	31,750	-	31,750	4,434	2,284	-	25,032	25,032	-
Treatment Plant/Outstations Projects-WQI	1,280	-	1,280	-	-	-	1,280	1,280	-
Sub-Total	88,684	75	88,609	5,092	2,926	-	80,591	80,591	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	17,070	5,426	11,644	999	515	9,000	1,130	1,130	-
Sub-Total	17,070	5,426	11,644	999	515	9,000	1,130	1,130	-
Master Plan									
Horizontal Assets	57,880	-	57,880	39,991	17,889	-	-	-	-
Vertical Assets	1,550	-	1,550	1,023	527	-	-	-	-
Sub-Total	59,430	-	59,430	41,014	18,416	-	-	-	-
Development Program									
Development\Extension Projects	7,560	-	7,560	5,978	1,096	-	486	486	-
Sub-Total	7,560	-	7,560	5,978	1,096	-	486	486	-
Total	172,744	5,501	167,243	53,083	22,953	9,000	82,207	82,207	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2017 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	43,560	75	43,485	757	693	-	42,035	42,035	-
Projects Coordinated with Roads Program	6,000	-	6,000	15	15	-	5,970	5,970	-
S.E.R.G. Projects	1,990	-	1,990	-	-	-	1,990	1,990	-
Treatment Plant/Outstations Projects	32,660	-	32,660	2,869	1,478	-	28,313	25,938	2,375
Treatment Plant/Outstations Projects-WQI	2,080	-	2,080	-	-	-	2,080	2,080	-
Sub-Total	86,290	75	86,215	3,641	2,186	-	80,388	78,013	2,375
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	115,476	71,080	44,396	5,187	2,672	25,000	11,537	1,320	10,217
Sub-Total	115,476	71,080	44,396	5,187	2,672	25,000	11,537	1,320	10,217
Master Plan									
Horizontal Assets	35,380	-	35,380	22,995	12,075	-	310	310	-
Vertical Assets	260	-	260	179	81	-	-	-	-
Sub-Total	35,640	-	35,640	23,174	12,156	-	310	310	-
Development Program									
Development\Extension Projects	20,220	-	20,220	11,318	3,652	4,150	1,100	1,100	-
Sub-Total	20,220	-	20,220	11,318	3,652	4,150	1,100	1,100	-
Total	257,626	71,155	186,471	43,320	20,666	29,150	93,335	80,743	12,592
2018 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	30,070	75	29,995	658	642	-	28,695	28,695	-
Projects Coordinated with Roads Program	4,710	-	4,710	-	-	-	4,710	4,710	-
S.E.R.G. Projects	1,580	-	1,580	-	-	-	1,580	1,580	-
Treatment Plant/Outstations Projects	24,720	-	24,720	2,152	1,109	-	21,459	21,459	-
Treatment Plant/Outstations Projects-WQI	1,570	-	1,570	-	-	-	1,570	1,570	-
Sub-Total	62,650	75	62,575	2,810	1,751	-	58,014	58,014	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	100,860	43,640	57,220	4,768	2,456	5,000	44,996	22,561	22,435
Sub-Total	100,860	43,640	57,220	4,768	2,456	5,000	44,996	22,561	22,435
Master Plan									
Horizontal Assets	15,550	-	15,550	7,900	5,570	-	2,080	2,080	-
Vertical Assets	2,170	-	2,170	1,299	611	-	260	260	-
Sub-Total	17,720	-	17,720	9,199	6,181	-	2,340	2,340	-
Development Program									
Development\Extension Projects	5,520	-	5,520	5,005	515	-	-	-	-
Sub-Total	5,520	-	5,520	5,005	515	-	-	-	-
Total	186,750	43,715	143,035	21,782	10,903	5,000	105,350	82,915	22,435

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2019 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	38,810	75	38,735	757	693	-	37,285	32,285	5,000
Projects Coordinated with Roads Program	23,000	-	23,000	-	-	-	23,000	13,431	9,569
S.E.R.G. Projects	2,290	-	2,290	-	-	-	2,290	2,290	-
Treatment Plant/Outstations Projects	14,500	-	14,500	1,435	739	-	12,326	12,326	-
Treatment Plant/Outstations Projects-WQI	1,780	-	1,780	-	-	-	1,780	1,780	-
Sub-Total	80,380	75	80,305	2,192	1,432	-	76,681	62,112	14,569
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	98,637	46,088	52,549	3,786	1,950	10,000	36,813	19,213	17,600
Sub-Total	98,637	46,088	52,549	3,786	1,950	10,000	36,813	19,213	17,600
Master Plan									
Horizontal Assets	4,500	-	4,500	2,812	1,238	-	450	450	-
Vertical Assets	16,430	-	16,430	7,872	3,788	-	4,770	4,770	-
Sub-Total	20,930	-	20,930	10,684	5,026	-	5,220	5,220	-
Development Program									
Development\Extension Projects	5,900	-	5,900	4,606	454	-	840	840	-
Sub-Total	5,900	-	5,900	4,606	454	-	840	840	-
Total	205,847	46,163	159,684	21,268	8,862	10,000	119,554	87,385	32,169
2020 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	46,354	75	46,279	658	642	-	44,979	44,979	-
Projects Coordinated with Roads Program	23,750	-	23,750	-	-	-	23,750	23,750	-
S.E.R.G. Projects	820	-	820	-	-	-	820	820	-
Treatment Plant/Outstations Projects	10,470	-	10,470	-	-	-	10,470	10,470	-
Treatment Plant/Outstations Projects-WQI	1,590	-	1,590	-	-	-	1,590	1,590	-
Sub-Total	82,984	75	82,909	658	642	-	81,609	81,609	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	22,888	12,498	10,390	788	406	-	9,196	9,196	-
Sub-Total	22,888	12,498	10,390	788	406	-	9,196	9,196	-
Master Plan									
Horizontal Assets	4,950	-	4,950	2,560	2,167	-	223	223	-
Vertical Assets	2,720	223	2,497	1,620	750	-	127	127	-
Sub-Total	7,670	223	7,447	4,180	2,917	-	350	350	-
Development Program									
Development\Extension Projects	4,000	-	4,000	4,000	-	-	-	-	-
Sub-Total	4,000	-	4,000	4,000	-	-	-	-	-
Total	117,542	12,796	104,746	9,626	3,965	-	91,155	91,155	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2021 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	59,826	75	59,751	757	693	-	58,301	58,301	-
Projects Coordinated with Roads Program	22,600	-	22,600	-	-	-	22,600	22,600	-
S.E.R.G. Projects	3,100	-	3,100	-	-	-	3,100	3,100	-
Treatment Plant/Outstations Projects	6,320	-	6,320	-	-	-	6,320	6,320	-
Treatment Plant/Outstations Projects-WQI	1,550	-	1,550	-	-	-	1,550	1,550	-
Sub-Total	93,396	75	93,321	757	693	-	91,871	91,871	-
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	231	-	231	18	9	-	204	204	-
Sub-Total	231	-	231	18	9	-	204	204	-
Master Plan									
Horizontal Assets	9,400	1,481	7,919	-	5,689	-	2,230	2,230	-
Vertical Assets	-	-	-	-	-	-	-	-	-
	9,400	1,481	7,919	-	5,689	-	2,230	2,230	-
Development Program									
Development\Extension Projects	6,400	-	6,400	4,276	124	-	2,000	2,000	-
Sub-Total	6,400	-	6,400	4,276	124	-	2,000	2,000	-
Total	109,427	1,556	107,871	5,051	6,515	-	96,305	96,305	-
2022 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	73,660	75	73,585	658	642	-	72,285	72,285	-
Projects Coordinated with Roads Program	23,110	-	23,110	-	-	-	23,110	23,110	-
S.E.R.G. Projects	1,820	-	1,820	-	-	-	1,820	1,820	-
Treatment Plant/Outstations Projects	11,070	-	11,070	3,300	1,700	-	6,070	6,070	-
Treatment Plant/Outstations Projects-WQI	1,050	-	1,050	-	-	-	1,050	1,050	-
Sub-Total	110,710	75	110,635	3,958	2,342	-	104,335	104,335	-
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	4,000	-	4,000	4,000	-	-	-	-	-
Sub-Total	4,000	-	4,000	4,000	-	-	-	-	-
Total	114,760	75	114,685	7,958	2,342	-	104,385	104,385	-

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
2023 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	83,010	75	82,935	757	693	-	81,485	81,485	-
Projects Coordinated with Roads Program	22,600	-	22,600	-	-	-	22,600	22,600	-
S.E.R.G. Projects	580	-	580	-	-	-	580	580	-
Treatment Plant/Outstations Projects	11,320	-	11,320	3,300	1,700	-	6,320	6,320	-
Treatment Plant/Outstations Projects-WQI	1,050	-	1,050	-	-	-	1,050	1,050	-
Sub-Total	118,560	75	118,485	4,057	2,393	-	112,035	112,035	-
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	2,500	-	2,500	1,725	775	-	-	-	-
Sub-Total	2,500	-	2,500	1,725	775	-	-	-	-
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	125,910	75	125,835	10,058	3,292	-	112,485	112,485	-
2024 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	90,409	75	90,334	658	642	-	89,034	89,034	-
Projects Coordinated with Roads Program	22,600	-	22,600	-	-	-	22,600	22,600	-
S.E.R.G. Projects	580	-	580	-	-	-	580	580	-
Treatment Plant/Outstations Projects	11,070	-	11,070	3,300	1,700	-	6,070	6,070	-
Treatment Plant/Outstations Projects-WQI	1,050	-	1,050	-	-	-	1,050	1,050	-
Sub-Total	125,709	75	125,634	3,958	2,342	-	119,334	119,334	-
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	134,039	75	133,964	9,268	4,322	-	120,374	120,374	-

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Total Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	563,579	1,435	562,144	7,435	6,861	10,015	537,833	532,833	5,000
Projects Coordinated with Roads Program	182,740	-	182,740	15	15	1,410	181,300	171,731	9,569
S.E.R.G. Projects	19,348	-	19,348	174	90	-	19,084	19,084	-
Treatment Plant/Outstations Projects	168,340	-	168,340	20,790	10,710	6,390	130,450	128,075	2,375
Treatment Plant/Outstations Projects-WQI	14,070	-	14,070	-	-	-	14,070	14,070	-
Sub-Total	948,077	1,435	946,642	28,414	17,676	17,815	882,737	865,793	16,944
Wastewater Investments Needs Strategies (WINS)									
Treatment Plant/Outstations Projects	356,464	178,732	177,732	15,651	8,062	49,000	105,019	54,767	50,252
Sub-Total	356,464	178,732	177,732	15,651	8,062	49,000	105,019	54,767	50,252
Master Plan									
Horizontal Assets	154,570	1,481	153,089	90,740	53,396	2,670	6,283	6,283	-
Vertical Assets	36,730	223	36,507	17,892	8,678	4,440	5,497	5,497	-
Sub-Total	191,300	1,704	189,596	108,632	62,074	7,110	11,780	11,780	-
Development Program									
Development/Extension Projects	76,840	-	76,840	57,010	8,319	5,860	5,651	5,651	-
Sub-Total	76,840	-	76,840	57,010	8,319	5,860	5,651	5,651	-
Total	1,572,681	181,871	1,390,810	209,707	96,131	79,785	1,005,187	937,991	67,196