

CITY OF HAMILTON
2015 to 2024 WATER SYSTEM CAPITAL BUDGET SUMMARY
(000'S)

								Financing Source	
	Gross Costs	Subsidy/ Other Revenues	Net Costs	Dev. Charges		Other Internal Sources	Funding Required	Contribution From Operating	External Borrowings (Debentures)
				Residential	Non Residential				
2015 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	19,750	-	19,750	-	-	2,750	17,000	17,000	
Projects Coordinated with Roads Program	20,890	-	20,890	-	-	50	20,840	20,840	
Treatment Plant/Outstations Projects	7,140	-	7,140	-	-	6,290	850	850	
Treatment Plant/Outstations Projects-WQI	70	-	70	-	-	-	70	70	
Sub-Total	47,850	-	47,850	-	-	9,090	38,760	38,760	-
Master Plan									
Horizontal Assets	6,470	-	6,470	3,876	1,994	600	-	-	-
Vertical Assets	6,480	-	6,480	2,864	1,476	1,800	340	340	
Sub-Total	12,950	-	12,950	6,740	3,470	2,400	340	340	-
Development Program									
Development\Extension Projects	2,200	-	2,200	1,153	597	120	330	330	-
Sub-Total	2,200	-	2,200	1,153	597	120	330	330	-
Total	63,000	-	63,000	7,893	4,067	11,610	39,430	39,430	-
2016 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	18,010	-	18,010	-	-	-	18,010	18,010	
Projects Coordinated with Roads Program	8,600	-	8,600	-	-	-	8,600	8,600	
Treatment Plant/Outstations Projects	26,720	-	26,720	4,434	2,284	-	20,002	20,002	
Treatment Plant/Outstations Projects-WQI	280	-	280	-	-	-	280	280	
Sub-Total	53,610	-	53,610	4,434	2,284	-	46,892	46,892	-
Master Plan									
Horizontal Assets	26,210	-	26,210	19,090	7,120	-	-	-	-
Vertical Assets	1,550	-	1,550	1,023	527	-	-	-	-
Sub-Total	27,760	-	27,760	20,113	7,647	-	-	-	-
Development Program									
Development\Extension Projects	2,750	-	2,750	1,520	744	-	486	486	-
Sub-Total	2,750	-	2,750	1,520	744	-	486	486	-
Total	84,120	-	84,120	26,067	10,675	-	47,378	47,378	-

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2017 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,190		14,190				14,190	14,190	
Projects Coordinated with Roads Program	5,560		5,560	15	15		5,530	5,530	
Treatment Plant/Outstations Projects	18,330		18,330	2,869	1,478		13,983	11,608	2,375
Treatment Plant/Outstations Projects-WQI	1,080		1,080				1,080	1,080	
Sub-Total	39,160	-	39,160	2,884	1,493	-	34,783	32,408	2,375
Master Plan									
Horizontal Assets	19,050		19,050	12,216	6,524		310	310	
Vertical Assets	9,490		9,490	6,264	3,226		-	-	
Sub-Total	28,540	-	28,540	18,480	9,750	-	310	310	-
Development Program									
Development\Extension Projects	4,250	-	4,250	2,256	1,154		840	840	
Sub-Total	4,250	-	4,250	2,256	1,154	-	840	840	-
Total	71,950	-	71,950	23,620	12,397	-	35,933	33,558	2,375
2018 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	8,660		8,660				8,660	8,660	
Projects Coordinated with Roads Program	4,710		4,710				4,710	4,710	
Treatment Plant/Outstations Projects	11,440		11,440	2,152	1,109	-	8,179	8,179	
Treatment Plant/Outstations Projects-WQI	1,070		1,070				1,070	1,070	
Sub-Total	25,880	-	25,880	2,152	1,109	-	22,619	22,619	-
Master Plan									
Horizontal Assets	8,710		8,710	3,385	3,245		2,080	2,080	
Vertical Assets	1,510		1,510	844	406		260	260	
Sub-Total	10,220	-	10,220	4,229	3,651	-	2,340	2,340	-
Development Program									
Development\Extension Projects	1,120	-	1,120	745	375		-	-	
Sub-Total	1,120	-	1,120	745	375	-	-	-	-
Total	37,220	-	37,220	7,126	5,135	-	24,959	24,959	-

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2019 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,370		14,370				14,370	14,370	
Projects Coordinated with Roads Program	21,000		21,000				21,000	11,431	9,569
Treatment Plant/Outstations Projects	10,040		10,040	1,435	739		7,866	7,866	
Treatment Plant/Outstations Projects-WQI	1,280		1,280				1,280	1,280	
Sub-Total	46,690	-	46,690	1,435	739	-	44,516	34,947	9,569
Master Plan									
Horizontal Assets	4,050		4,050	2,812	1,238		-	-	
Vertical Assets	16,430		16,430	7,872	3,788		4,770	4,770	
Sub-Total	20,480	-	20,480	10,684	5,026	-	4,770	4,770	-
Development Program									
Development\Extension Projects	400	-	400	138	62		200	200	
Sub-Total	400	-	400	138	62	-	200	200	-
Total	67,570	-	67,570	12,257	5,827	-	49,486	39,917	9,569
2020 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,270		14,270				14,270	14,270	
Projects Coordinated with Roads Program	21,500		21,500				21,500	21,500	
Treatment Plant/Outstations Projects	7,200		7,200	-	-		7,200	7,200	
Treatment Plant/Outstations Projects-WQI	1,090		1,090				1,090	1,090	
Sub-Total	44,060	-	44,060	-	-	-	44,060	44,060	-
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	-	-	-	-	-		-	-	
Sub-Total	-	-	-	-	-	-	-	-	-
Total	51,730	223	51,507	4,180	2,917	-	44,410	44,410	-

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				Residential	Non Residential				
2021 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,720		14,720				14,720	14,720	
Projects Coordinated with Roads Program	20,600		20,600				20,600	20,600	
Treatment Plant/Outstations Projects	3,050		3,050				3,050	3,050	
Treatment Plant/Outstations Projects-WQI	1,050		1,050				1,050	1,050	
Sub-Total	39,420	-	39,420	-	-	-	39,420	39,420	-
Master Plan									
Horizontal Assets	7,170	1,481	5,689	-	5,689		-	-	
Vertical Assets	-		-	-	-		-	-	
Sub-Total	7,170	1,481	5,689	-	5,689	-	-	-	-
Development Program									
Development\Extension Projects	400	-	400	138	62		200	200	
Sub-Total	400	-	400	138	62	-	200	200	-
Total	46,990	1,481	45,509	138	5,751	-	39,620	39,620	-
2022 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,370		14,370				14,370	14,370	
Projects Coordinated with Roads Program	21,110		21,110				21,110	21,110	
Treatment Plant/Outstations Projects	2,800		2,800				2,800	2,800	
Treatment Plant/Outstations Projects-WQI	1,050		1,050				1,050	1,050	
Sub-Total	39,330	-	39,330	-	-	-	39,330	39,330	-
Master Plan									
Horizontal Assets	-	-	-	-	-		-	-	
Vertical Assets	-		-	-	-		-	-	
Sub-Total	-	-	-	-	-	-	-	-	-
Development Program									
Development\Extension Projects	-		-	-	-		-	-	
Sub-Total	-	-	-	-	-	-	-	-	-
Total	39,330	-	39,330	-	-	-	39,330	39,330	-

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2023 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,550		14,550				14,550	14,550	
Projects Coordinated with Roads Program	20,600		20,600				20,600	20,600	
Treatment Plant/Outstations Projects	3,050		3,050				3,050	3,050	
Treatment Plant/Outstations Projects-WQI	1,050		1,050				1,050	1,050	
Sub-Total	39,250	-	39,250	-	-	-	39,250	39,250	-
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	400	-	400	138	62		200	200	
Sub-Total	400	-	400	138	62	-	200	200	-
Total	42,150	-	42,150	1,863	837	-	39,450	39,450	-
2024 Sustainable Asset Management Strategy (SAM)									
Rehabilitation, Replacement & Upgrade Projects	14,600		14,600				14,600	14,600	
Projects Coordinated with Roads Program	20,600		20,600				20,600	20,600	
Treatment Plant/Outstations Projects	2,800		2,800				2,800	2,800	
Treatment Plant/Outstations Projects-WQI	1,050		1,050				1,050	1,050	
Sub-Total	39,050	-	39,050	-	-	-	39,050	39,050	-
Master Plan									
Horizontal Assets	1,310		1,310	-	1,310		-	-	
Vertical Assets	1,980		1,980	1,310	670		-	-	
Sub-Total	3,290	-	3,290	1,310	1,980	-	-	-	-
Development Program									
Development\Extension Projects	-	-	-	-	-		-	-	
Sub-Total	-	-	-	-	-	-	-	-	-
Total	42,340	-	42,340	1,310	1,980	-	39,050	39,050	-

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				Residential	Non Residential					
Total										
Sustainable Asset Management Strategy (SAM)										
Rehabilitation, Replacement & Upgrade Projects	147,490	-	147,490	-	-	2,750	144,740		144,740	-
Projects Coordinated with Roads Program	165,170	-	165,170	15	15	50	165,090		155,521	9,569
Treatment Plant/Outstations Projects	92,570	-	92,570	10,890	5,610	6,290	69,780		67,405	2,375
Treatment Plant/Outstations Projects-WQI	9,070	-	9,070	-	-	-	9,070		9,070	-
Sub-Total	414,300	-	414,300	10,905	5,625	9,090	388,680		376,736	11,944
Master Plan										
Horizontal Assets	77,920	1,481	76,439	43,939	29,287	600	2,613		2,613	-
Vertical Assets	42,660	223	42,437	23,522	11,618	1,800	5,497		5,497	-
Sub-Total	120,580	1,704	118,876	67,461	40,905	2,400	8,110		8,110	-
Development Program										
Development\Extension Projects	11,520	-	11,520	6,088	3,056	120	2,256		2,256	-
Sub-Total	11,520	-	11,520	6,088	3,056	120	2,256		2,256	-
Total	546,400	1,704	544,696	84,454	49,586	11,610	399,046		387,102	11,944