

**CITY OF HAMILTON**  
**2016 to 2025 WATER SYSTEM 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)
<b>2016 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	22,292	-	22,292	-	-	2,797	19,495	19,495	
Projects Coordinated with Roads Program	8,800	-	8,800	-	-	-	8,800	8,800	
Treatment Plant/Outstations Projects	11,590	-	11,590	-	-	6,805	4,785	4,785	
Treatment Plant/Outstations Projects-WQI	2,420	-	2,420	-	-	-	2,420	2,420	
<b>Sub-Total</b>	<b>45,102</b>	<b>-</b>	<b>45,102</b>	<b>-</b>	<b>-</b>	<b>9,602</b>	<b>35,500</b>	<b>35,500</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	21,470	-	21,470	12,560	6,470	-	2,440	2,440	-
Vertical Assets	2,220	-	2,220	1,421	732	-	67	67	
<b>Sub-Total</b>	<b>23,690</b>	<b>-</b>	<b>23,690</b>	<b>13,981</b>	<b>7,202</b>	<b>-</b>	<b>2,507</b>	<b>2,507</b>	<b>-</b>
<b>Development Program</b>									
Development/Extension Projects	5,500	-	5,500	1,995	2,815	-	690	690	-
<b>Sub-Total</b>	<b>5,500</b>	<b>-</b>	<b>5,500</b>	<b>1,995</b>	<b>2,815</b>	<b>-</b>	<b>690</b>	<b>690</b>	<b>-</b>
<b>Total</b>	<b>74,292</b>	<b>-</b>	<b>74,292</b>	<b>15,976</b>	<b>10,017</b>	<b>9,602</b>	<b>38,697</b>	<b>38,697</b>	<b>-</b>
<b>2017 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	17,884	-	17,884	-	-	-	17,884	17,884	
Projects Coordinated with Roads Program	14,660	-	14,660	-	-	-	14,660	14,660	
Treatment Plant/Outstations Projects	21,380	-	21,380	210	127	-	21,043	11,928	9,115
Treatment Plant/Outstations Projects-WQI	800	-	800	-	-	-	800	800	
<b>Sub-Total</b>	<b>54,724</b>	<b>-</b>	<b>54,724</b>	<b>210</b>	<b>127</b>	<b>-</b>	<b>54,387</b>	<b>45,272</b>	<b>9,115</b>
<b>Master Plan</b>									
Horizontal Assets	19,050	-	19,050	12,216	6,524	-	310	310	
Vertical Assets	12,530	-	12,530	8,072	4,156	-	302	302	
<b>Sub-Total</b>	<b>31,580</b>	<b>-</b>	<b>31,580</b>	<b>20,288</b>	<b>10,680</b>	<b>-</b>	<b>612</b>	<b>612</b>	<b>-</b>
<b>Development Program</b>									
Development/Extension Projects	5,510	-	5,510	2,716	1,394	-	1,400	1,400	
<b>Sub-Total</b>	<b>5,510</b>	<b>-</b>	<b>5,510</b>	<b>2,716</b>	<b>1,394</b>	<b>-</b>	<b>1,400</b>	<b>1,400</b>	<b>-</b>
<b>Total</b>	<b>91,814</b>	<b>-</b>	<b>91,814</b>	<b>23,214</b>	<b>12,201</b>	<b>-</b>	<b>56,399</b>	<b>47,284</b>	<b>9,115</b>

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(\$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					
<b>2018 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	18,086	18,086				18,086	18,086		
Projects Coordinated with Roads Program	11,250	11,250	-	-		11,250	11,250		
Treatment Plant/Outstations Projects	26,750	26,750	1,357	939		24,454	13,141	11,313	
Treatment Plant/Outstations Projects-WQI	4,900	4,900				4,900	4,900		
<b>Sub-Total</b>	<b>60,986</b>	<b>60,986</b>	<b>1,357</b>	<b>939</b>	<b>-</b>	<b>58,690</b>	<b>47,377</b>	<b>11,313</b>	
<b>Master Plan</b>									
Horizontal Assets	15,890	15,890	9,915	3,895		2,080	2,080		
Vertical Assets	3,870	3,870	2,231	1,147		492	492		
<b>Sub-Total</b>	<b>19,760</b>	<b>19,760</b>	<b>12,146</b>	<b>5,042</b>	<b>-</b>	<b>2,572</b>	<b>2,572</b>	<b>-</b>	
<b>Development Program</b>									
Development/Extension Projects	770	770	531	239		-	-		
<b>Sub-Total</b>	<b>770</b>	<b>770</b>	<b>531</b>	<b>239</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total</b>	<b>81,516</b>	<b>81,516</b>	<b>14,034</b>	<b>6,220</b>	<b>-</b>	<b>61,262</b>	<b>49,949</b>	<b>11,313</b>	
<b>2019 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	20,268	20,268				20,268	20,268		
Projects Coordinated with Roads Program	16,650	16,650				16,650	1,936	14,714	
Treatment Plant/Outstations Projects	14,690	14,690	1,129	778	-	12,783	12,783		
Treatment Plant/Outstations Projects-WQI	160	160				160	160		
<b>Sub-Total</b>	<b>51,768</b>	<b>51,768</b>	<b>1,129</b>	<b>778</b>	<b>-</b>	<b>49,861</b>	<b>35,147</b>	<b>14,714</b>	
<b>Master Plan</b>									
Horizontal Assets	4,050	4,050	2,812	1,238		-	-		
Vertical Assets	10,310	10,310	4,070	2,080		4,160	4,160		
<b>Sub-Total</b>	<b>14,360</b>	<b>14,360</b>	<b>6,882</b>	<b>3,318</b>	<b>-</b>	<b>4,160</b>	<b>4,160</b>	<b>-</b>	
<b>Development Program</b>									
Development/Extension Projects	3,930	3,930	2,198	1,122		610	610		
<b>Sub-Total</b>	<b>3,930</b>	<b>3,930</b>	<b>2,198</b>	<b>1,122</b>	<b>-</b>	<b>610</b>	<b>610</b>	<b>-</b>	
<b>Total</b>	<b>70,058</b>	<b>70,058</b>	<b>10,209</b>	<b>5,218</b>	<b>-</b>	<b>54,631</b>	<b>39,917</b>	<b>14,714</b>	

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							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					
<b>2020 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects		18,990				18,990	18,990		
Projects Coordinated with Roads Program		16,040				16,040	16,040		
Treatment Plant/Outstations Projects		16,600	1,129	778		14,693	8,670	6,023	
Treatment Plant/Outstations Projects-WQI		530	530			530	530		
<b>Sub-Total</b>	<b>-</b>	<b>52,160</b>	<b>1,129</b>	<b>778</b>	<b>-</b>	<b>50,253</b>	<b>44,230</b>	<b>6,023</b>	
<b>Master Plan</b>									
Horizontal Assets	223	4,727	2,560	2,167		-	-		
Vertical Assets		2,720	1,620	750		350	350		
<b>Sub-Total</b>	<b>223</b>	<b>7,447</b>	<b>4,180</b>	<b>2,917</b>	<b>-</b>	<b>350</b>	<b>350</b>	<b>-</b>	
<b>Development Program</b>									
Development/Extension Projects	-	4,700	2,835	1,475		390	390		
<b>Sub-Total</b>	<b>-</b>	<b>4,700</b>	<b>2,835</b>	<b>1,475</b>	<b>-</b>	<b>390</b>	<b>390</b>	<b>-</b>	
<b>Total</b>	<b>223</b>	<b>64,307</b>	<b>8,144</b>	<b>5,170</b>	<b>-</b>	<b>50,993</b>	<b>44,970</b>	<b>6,023</b>	
<b>2021 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects		21,683				21,683	21,683		
Projects Coordinated with Roads Program		16,160				16,160	16,160		
Treatment Plant/Outstations Projects		14,250	1,345	931		11,974	11,974		
Treatment Plant/Outstations Projects-WQI		630	630			630	630		
<b>Sub-Total</b>	<b>-</b>	<b>52,723</b>	<b>1,345</b>	<b>931</b>	<b>-</b>	<b>50,447</b>	<b>50,447</b>	<b>-</b>	
<b>Master Plan</b>									
Horizontal Assets	1,481	5,689	-	5,689		-	-		
Vertical Assets		-	-	-		-	-		
<b>Sub-Total</b>	<b>1,481</b>	<b>5,689</b>	<b>-</b>	<b>5,689</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Development Program</b>									
Development/Extension Projects	-	2,320	1,398	722		200	200		
<b>Sub-Total</b>	<b>-</b>	<b>2,320</b>	<b>1,398</b>	<b>722</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>	
<b>Total</b>	<b>1,481</b>	<b>60,732</b>	<b>2,743</b>	<b>7,342</b>	<b>-</b>	<b>50,647</b>	<b>50,647</b>	<b>-</b>	

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								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					
<b>2022 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects		21,195				21,195	21,195		
Projects Coordinated with Roads Program		16,160				16,160	16,160		
Treatment Plant/Outstations Projects		8,150	643	433		7,074	7,074		
Treatment Plant/Outstations Projects-WQI		4,700				4,700	4,700		
<b>Sub-Total</b>	<b>-</b>	<b>50,205</b>	<b>643</b>	<b>433</b>	<b>-</b>	<b>49,129</b>	<b>49,129</b>	<b>-</b>	
<b>Master Plan</b>									
Horizontal Assets	-	-	-	-	-	-	-	-	
Vertical Assets	-	-	-	-	-	-	-	-	
<b>Sub-Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Development Program</b>									
Development\Extension Projects	-	-	-	-	-	-	-	-	
<b>Sub-Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total</b>	<b>-</b>	<b>50,205</b>	<b>643</b>	<b>433</b>	<b>-</b>	<b>49,129</b>	<b>49,129</b>	<b>-</b>	
<b>2023 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects		23,787				23,787	23,787		
Projects Coordinated with Roads Program		16,000				16,000	16,000		
Treatment Plant/Outstations Projects		32,200	3,501	1,967		26,732	26,732		
Treatment Plant/Outstations Projects-WQI		50				50	50		
<b>Sub-Total</b>	<b>-</b>	<b>72,037</b>	<b>3,501</b>	<b>1,967</b>	<b>-</b>	<b>66,569</b>	<b>66,569</b>	<b>-</b>	
<b>Master Plan</b>									
Horizontal Assets	-	-	-	-	-	-	-	-	
Vertical Assets	-	-	-	-	-	-	-	-	
<b>Sub-Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Development Program</b>									
Development\Extension Projects	400	400	138	62		200	200		
<b>Sub-Total</b>	<b>400</b>	<b>400</b>	<b>138</b>	<b>62</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>	
<b>Total</b>	<b>-</b>	<b>72,437</b>	<b>3,639</b>	<b>2,029</b>	<b>-</b>	<b>66,769</b>	<b>66,769</b>	<b>-</b>	

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							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					
<b>2024 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects		26,560				26,560	26,560		
Projects Coordinated with Roads Program		16,450				16,450	16,450		
Treatment Plant/Outstations Projects		22,150	2,324	1,300		18,526	18,526		
Treatment Plant/Outstations Projects-WQI		50	50			50	50		
<b>Sub-Total</b>	<b>-</b>	<b>65,210</b>	<b>2,324</b>	<b>1,300</b>	<b>-</b>	<b>61,586</b>	<b>61,586</b>	<b>-</b>	
<b>Master Plan</b>									
Horizontal Assets		1,310	-	1,310		-	-		
Vertical Assets		1,980	1,310	670		-	-		
<b>Sub-Total</b>	<b>-</b>	<b>3,290</b>	<b>1,310</b>	<b>1,980</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Development Program</b>									
Development/Extension Projects		-	-	-		-	-		
<b>Sub-Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total</b>	<b>-</b>	<b>68,500</b>	<b>3,634</b>	<b>3,280</b>	<b>-</b>	<b>61,586</b>	<b>61,586</b>	<b>-</b>	
<b>2025 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects		21,402				21,402	21,402		
Projects Coordinated with Roads Program		16,720				16,720	16,720		
Treatment Plant/Outstations Projects		10,700	919	504		9,277	9,277		
Treatment Plant/Outstations Projects-WQI		50	50			50	50		
<b>Sub-Total</b>	<b>-</b>	<b>48,872</b>	<b>919</b>	<b>504</b>	<b>-</b>	<b>47,449</b>	<b>47,449</b>	<b>-</b>	
<b>Master Plan</b>									
Horizontal Assets	30	9,030	-	9,000		-	-		
Vertical Assets		5,610	3,740	1,870		-	-		
<b>Sub-Total</b>	<b>30</b>	<b>14,640</b>	<b>3,740</b>	<b>10,870</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Development Program</b>									
Development/Extension Projects		400	138	62		200	200		
<b>Sub-Total</b>	<b>-</b>	<b>400</b>	<b>138</b>	<b>62</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>	
<b>Total</b>	<b>30</b>	<b>63,912</b>	<b>4,797</b>	<b>11,436</b>	<b>-</b>	<b>47,649</b>	<b>47,649</b>	<b>-</b>	

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				Residential	Non Residential			Contribution From Operating	External Borrowings (Debentures)
<b>Total Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	212,147	-	212,147	-	-	2,797	209,350	209,350	-
Projects Coordinated with Roads Program	148,890	-	148,890	-	-	-	148,890	134,176	14,714
Treatment Plant/Outstations Projects	178,460	-	178,460	12,557	7,757	6,805	151,341	124,890	26,451
Treatment Plant/Outstations Projects-WQI	14,290	-	14,290	-	-	-	14,290	14,290	-
<b>Sub-Total</b>	<b>553,787</b>	<b>-</b>	<b>553,787</b>	<b>12,557</b>	<b>7,757</b>	<b>9,602</b>	<b>523,871</b>	<b>482,706</b>	<b>41,165</b>
<b>Master Plan</b>									
Horizontal Assets	82,920	1,734	81,186	40,063	36,293	-	4,830	4,830	-
Vertical Assets	39,240	-	39,240	22,464	11,405	-	5,371	5,371	-
<b>Sub-Total</b>	<b>122,160</b>	<b>1,734</b>	<b>120,426</b>	<b>62,527</b>	<b>47,698</b>	<b>-</b>	<b>10,201</b>	<b>10,201</b>	<b>-</b>
<b>Development Program</b>									
Development/Extension Projects	23,530	-	23,530	11,949	7,891	-	3,690	3,690	-
<b>Sub-Total</b>	<b>23,530</b>	<b>-</b>	<b>23,530</b>	<b>11,949</b>	<b>7,891</b>	<b>-</b>	<b>3,690</b>	<b>3,690</b>	<b>-</b>
<b>Total</b>	<b>699,477</b>	<b>1,734</b>	<b>697,743</b>	<b>87,033</b>	<b>63,346</b>	<b>9,602</b>	<b>537,762</b>	<b>496,597</b>	<b>41,165</b>