

**CITY OF HAMILTON**  
**2015 to 2024 WASTEWATER 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				
<b>2015 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	24,880	380	24,500	310	160	5,865	18,165	18,165	
Projects Coordinated with Roads Program	1,500	-	1,500	-	-	800	700	700	
Treatment Plant/Outstations Projects	7,320	-	7,320	-	-	100	7,220	7,220	-
Treatment Plant/Outstations Projects-WQI	1,000	-	1,000	-	-	-	1,000	1,000	
<b>Sub-Total</b>	<b>34,700</b>	<b>380</b>	<b>34,320</b>	<b>310</b>	<b>160</b>	<b>6,765</b>	<b>27,085</b>	<b>27,085</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	1,152	-	1,152	105	54	-	993	993	-
<b>Sub-Total</b>	<b>1,152</b>	<b>-</b>	<b>1,152</b>	<b>105</b>	<b>54</b>	<b>-</b>	<b>993</b>	<b>993</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	18,140	-	18,140	10,606	5,464	2,070	-	-	-
Vertical Assets	2,640	-	2,640	-	-	2,640	-	-	-
<b>Sub-Total</b>	<b>20,780</b>	<b>-</b>	<b>20,780</b>	<b>10,606</b>	<b>5,464</b>	<b>4,710</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	2,330	-	2,330	423	217	1,590	100	100	-
<b>Sub-Total</b>	<b>2,330</b>	<b>-</b>	<b>2,330</b>	<b>423</b>	<b>217</b>	<b>1,590</b>	<b>100</b>	<b>100</b>	<b>-</b>
<b>Total</b>	<b>58,962</b>	<b>380</b>	<b>58,582</b>	<b>11,444</b>	<b>5,895</b>	<b>13,065</b>	<b>28,178</b>	<b>28,178</b>	<b>-</b>
<b>2016 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	19,580		19,580	33	17	-	19,530	19,530	-
Projects Coordinated with Roads Program	820	-	820	-	-	-	820	820	
Treatment Plant/Outstations Projects	5,030	-	5,030	-	-	-	5,030	5,030	
Treatment Plant/Outstations Projects-WQI	1,000	-	1,000	-	-	-	1,000	1,000	
<b>Sub-Total</b>	<b>26,430</b>	<b>-</b>	<b>26,430</b>	<b>33</b>	<b>17</b>	<b>-</b>	<b>26,380</b>	<b>26,380</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	17,070	5,426	11,644	999	515	9,000	1,130	1,130	-
<b>Sub-Total</b>	<b>17,070</b>	<b>5,426</b>	<b>11,644</b>	<b>999</b>	<b>515</b>	<b>9,000</b>	<b>1,130</b>	<b>1,130</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	31,670	-	31,670	20,901	10,769	-	-	-	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>31,670</b>	<b>-</b>	<b>31,670</b>	<b>20,901</b>	<b>10,769</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	280	-	280	193	87	-	-	-	-
<b>Sub-Total</b>	<b>280</b>	<b>-</b>	<b>280</b>	<b>193</b>	<b>87</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>75,450</b>	<b>5,426</b>	<b>70,024</b>	<b>22,126</b>	<b>11,388</b>	<b>9,000</b>	<b>27,510</b>	<b>27,510</b>	<b>-</b>

**CITY OF HAMILTON**  
**2015 to 2024 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)
<b>2017 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	24,110	-	24,110	132	68	-	23,910	23,910	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
S.E.R.G. Projects	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	14,330	-	14,330	-	-	-	14,330	14,330	-
Treatment Plant/Outstations Projects-WQI	1,000	-	1,000	-	-	-	1,000	1,000	-
<b>Sub-Total</b>	<b>39,440</b>	<b>-</b>	<b>39,440</b>	<b>132</b>	<b>68</b>	<b>-</b>	<b>39,240</b>	<b>39,240</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	115,476	71,080	44,396	5,187	2,672	25,000	11,537	1,320	10,217
<b>Sub-Total</b>	<b>115,476</b>	<b>71,080</b>	<b>44,396</b>	<b>5,187</b>	<b>2,672</b>	<b>25,000</b>	<b>11,537</b>	<b>1,320</b>	<b>10,217</b>
<b>Master Plan</b>									
Horizontal Assets	6,840	-	6,840	4,515	2,325	-	-	-	-
Vertical Assets	260	-	260	179	81	-	-	-	-
<b>Sub-Total</b>	<b>7,100</b>	<b>-</b>	<b>7,100</b>	<b>4,694</b>	<b>2,406</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	10,710	-	10,710	4,366	1,994	4,150	200	200	-
<b>Sub-Total</b>	<b>10,710</b>	<b>-</b>	<b>10,710</b>	<b>4,366</b>	<b>1,994</b>	<b>4,150</b>	<b>200</b>	<b>200</b>	<b>-</b>
<b>Total</b>	<b>172,726</b>	<b>71,080</b>	<b>101,646</b>	<b>14,379</b>	<b>7,140</b>	<b>29,150</b>	<b>50,977</b>	<b>40,760</b>	<b>10,217</b>
<b>2018 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	17,080	-	17,080	33	17	-	17,030	17,030	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
S.E.R.G. Projects	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	13,280	-	13,280	-	-	-	13,280	13,280	-
Treatment Plant/Outstations Projects-WQI	500	-	500	-	-	-	500	500	-
<b>Sub-Total</b>	<b>30,860</b>	<b>-</b>	<b>30,860</b>	<b>33</b>	<b>17</b>	<b>-</b>	<b>30,810</b>	<b>30,810</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	100,860	43,640	57,220	4,768	2,456	5,000	44,996	22,561	22,435
<b>Sub-Total</b>	<b>100,860</b>	<b>43,640</b>	<b>57,220</b>	<b>4,768</b>	<b>2,456</b>	<b>5,000</b>	<b>44,996</b>	<b>22,561</b>	<b>22,435</b>
<b>Master Plan</b>									
Horizontal Assets	6,840	-	6,840	4,515	2,325	-	-	-	-
Vertical Assets	660	-	660	455	205	-	-	-	-
<b>Sub-Total</b>	<b>7,500</b>	<b>-</b>	<b>7,500</b>	<b>4,970</b>	<b>2,530</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	400	-	400	260	140	-	-	-	-
<b>Sub-Total</b>	<b>400</b>	<b>-</b>	<b>400</b>	<b>260</b>	<b>140</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>139,620</b>	<b>43,640</b>	<b>95,980</b>	<b>10,031</b>	<b>5,143</b>	<b>5,000</b>	<b>75,806</b>	<b>53,371</b>	<b>22,435</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>2019 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	-	16,930	132	68	-	16,730	16,730	-	
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	
Treatment Plant/Outstations Projects	-	4,460	-	-	-	4,460	4,460	-	
Treatment Plant/Outstations Projects-WQI	-	500	-	-	-	500	500	-	
<b>Sub-Total</b>	<b>-</b>	<b>21,890</b>	<b>132</b>	<b>68</b>	<b>-</b>	<b>21,690</b>	<b>21,690</b>	<b>-</b>	
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	46,088	52,549	3,786	1,950	10,000	36,813	19,213	17,600	
<b>Sub-Total</b>	<b>46,088</b>	<b>52,549</b>	<b>3,786</b>	<b>1,950</b>	<b>10,000</b>	<b>36,813</b>	<b>19,213</b>	<b>17,600</b>	
<b>Master Plan</b>									
Horizontal Assets	-	450	-	-	-	450	450	-	
Vertical Assets	-	-	-	-	-	-	-	-	
<b>Sub-Total</b>	<b>-</b>	<b>450</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>450</b>	<b>450</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>46,088</b>	<b>75,289</b>	<b>4,056</b>	<b>2,080</b>	<b>10,000</b>	<b>59,153</b>	<b>41,553</b>	<b>17,600</b>	
<b>2020 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	-	22,324	33	17	-	22,274	22,274	-	
Projects Coordinated with Roads Program	-	250	-	-	-	250	250	-	
Treatment Plant/Outstations Projects	-	3,270	-	-	-	3,270	3,270	-	
Treatment Plant/Outstations Projects-WQI	-	500	-	-	-	500	500	-	
<b>Sub-Total</b>	<b>-</b>	<b>26,344</b>	<b>33</b>	<b>17</b>	<b>-</b>	<b>26,294</b>	<b>26,294</b>	<b>-</b>	
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	12,498	10,390	788	406	-	9,196	9,196	-	
<b>Sub-Total</b>	<b>12,498</b>	<b>10,390</b>	<b>788</b>	<b>406</b>	<b>-</b>	<b>9,196</b>	<b>9,196</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>12,498</b>	<b>36,734</b>	<b>821</b>	<b>423</b>	<b>-</b>	<b>35,490</b>	<b>35,490</b>	<b>-</b>	

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(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>2021 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	34,896	-	34,896	132	68	-	34,696	34,696	-
Projects Coordinated with Roads Program	-	-	-	-	-	-	-	-	-
Treatment Plant/Outstations Projects	3,270	-	3,270	-	-	-	3,270	3,270	-
Treatment Plant/Outstations Projects-WQI	500	-	500	-	-	-	500	500	-
<b>Sub-Total</b>	<b>38,666</b>	<b>-</b>	<b>38,666</b>	<b>132</b>	<b>68</b>	<b>-</b>	<b>38,466</b>	<b>38,466</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	231	-	231	18	9	-	204	204	-
<b>Sub-Total</b>	<b>231</b>	<b>-</b>	<b>231</b>	<b>18</b>	<b>9</b>	<b>-</b>	<b>204</b>	<b>204</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	2,230	-	2,230	-	-	-	2,230	2,230	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>2,230</b>	<b>-</b>	<b>2,230</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,230</b>	<b>2,230</b>	<b>-</b>
<b>Development Program</b>									
Development/Extension Projects	400	-	400	138	62	-	200	200	-
<b>Sub-Total</b>	<b>400</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>41,527</b>	<b>-</b>	<b>41,527</b>	<b>288</b>	<b>139</b>	<b>-</b>	<b>41,100</b>	<b>41,100</b>	<b>-</b>
<b>2022 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	54,530	-	54,530	33	17	-	54,480	54,480	-
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	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>62,800</b>	<b>-</b>	<b>62,800</b>	<b>3,333</b>	<b>1,717</b>	<b>-</b>	<b>57,750</b>	<b>57,750</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
<b>Sub-Total</b>	<b>50</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50</b>	<b>50</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>-</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>-</b>
<b>Total</b>	<b>62,850</b>	<b>-</b>	<b>62,850</b>	<b>3,333</b>	<b>1,717</b>	<b>-</b>	<b>57,800</b>	<b>57,800</b>	<b>-</b>

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**2015 to 2024 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)
<b>2023 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	63,520	-	63,520	132	68	-	63,320	63,320	-
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	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>71,790</b>	<b>-</b>	<b>71,790</b>	<b>3,432</b>	<b>1,768</b>	<b>-</b>	<b>66,590</b>	<b>66,590</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
<b>Sub-Total</b>	<b>50</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50</b>	<b>50</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>-</b>
<b>Development Program</b>									
Development\Extension Projects	400	-	400	138	62	-	200	200	-
<b>Sub-Total</b>	<b>400</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>72,240</b>	<b>-</b>	<b>72,240</b>	<b>3,570</b>	<b>1,830</b>	<b>-</b>	<b>66,840</b>	<b>66,840</b>	<b>-</b>
<b>2024 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	70,819	-	70,819	33	17	-	70,769	70,769	-
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	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>79,089</b>	<b>-</b>	<b>79,089</b>	<b>3,333</b>	<b>1,717</b>	<b>-</b>	<b>74,039</b>	<b>74,039</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	50	-	50	-	-	-	50	50	-
<b>Sub-Total</b>	<b>50</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	990	-	990	-	-	-	990	990	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>990</b>	<b>-</b>	<b>990</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>990</b>	<b>990</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>-</b>
<b>Total</b>	<b>80,129</b>	<b>-</b>	<b>80,129</b>	<b>3,333</b>	<b>1,717</b>	<b>-</b>	<b>75,079</b>	<b>75,079</b>	<b>-</b>

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(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>Total Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	348,669	380	348,289	1,003	517	5,865	340,904	340,904	-
Projects Coordinated with Roads Program	2,570	-	2,570	-	-	800	1,770	1,770	-
Treatment Plant/Outstations Projects	75,770	-	75,770	9,900	5,100	100	60,670	60,670	-
Treatment Plant/Outstations Projects-WQI	5,000	-	5,000	-	-	-	5,000	5,000	-
<b>Sub-Total</b>	<b>432,009</b>	<b>380</b>	<b>431,629</b>	<b>10,903</b>	<b>5,617</b>	<b>6,765</b>	<b>408,344</b>	<b>408,344</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	356,464	178,732	177,732	15,651	8,062	49,000	105,019	54,767	50,252
<b>Sub-Total</b>	<b>356,464</b>	<b>178,732</b>	<b>177,732</b>	<b>15,651</b>	<b>8,062</b>	<b>49,000</b>	<b>105,019</b>	<b>54,767</b>	<b>50,252</b>
<b>Master Plan</b>									
Horizontal Assets	67,160	-	67,160	40,537	20,883	2,070	3,670	3,670	-
Vertical Assets	3,560	-	3,560	634	286	2,640	-	-	-
<b>Sub-Total</b>	<b>70,720</b>	<b>-</b>	<b>70,720</b>	<b>41,171</b>	<b>21,169</b>	<b>4,710</b>	<b>3,670</b>	<b>3,670</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	14,920	-	14,920	5,656	2,624	5,740	900	900	-
<b>Sub-Total</b>	<b>14,920</b>	<b>-</b>	<b>14,920</b>	<b>5,656</b>	<b>2,624</b>	<b>5,740</b>	<b>900</b>	<b>900</b>	<b>-</b>
<b>Total</b>	<b>874,113</b>	<b>179,112</b>	<b>695,001</b>	<b>73,381</b>	<b>37,472</b>	<b>66,215</b>	<b>517,933</b>	<b>467,681</b>	<b>50,252</b>