

**CITY OF HAMILTON**  
**2011-2020 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>2011 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	23,900		23,900	79	47	3,020	20,754	20,754	
Projects Coordinated with Roads Program	3,300	-	3,300	-	-	-	3,300	3,300	
S.E.R.G. Projects	-		-			-	-	-	
Treatment Plant/Outstations Projects	47,000	25,000	22,000	4,963	2,757	3,050	11,230	11,230	
<b>Sub-Total</b>	<b>74,200</b>	<b>25,000</b>	<b>49,200</b>	<b>5,042</b>	<b>2,804</b>	<b>6,070</b>	<b>35,284</b>	<b>35,284</b>	-
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	32,490	23,100	9,390	-	-	7,300	2,090	2,090	-
<b>Sub-Total</b>	<b>32,490</b>	<b>23,100</b>	<b>9,390</b>	<b>-</b>	<b>-</b>	<b>7,300</b>	<b>2,090</b>	<b>2,090</b>	-
<b>Master Plan</b>									
Horizontal Assets	3,270		3,270	1,052	618	-	1,600	1,600	
Vertical Assets	-		-	-	-	-	-	-	
<b>Sub-Total</b>	<b>3,270</b>	<b>-</b>	<b>3,270</b>	<b>1,052</b>	<b>618</b>	<b>-</b>	<b>1,600</b>	<b>1,600</b>	-
<b>Development Program</b>									
Development\Extension Projects	2,770	1,520	1,250	714	416	-	120	120	
<b>Sub-Total</b>	<b>2,770</b>	<b>1,520</b>	<b>1,250</b>	<b>714</b>	<b>416</b>	<b>-</b>	<b>120</b>	<b>120</b>	-
<b>Total</b>	<b>112,730</b>	<b>49,620</b>	<b>63,110</b>	<b>6,808</b>	<b>3,838</b>	<b>13,370</b>	<b>39,094</b>	<b>39,094</b>	-
<b>2012 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	17,030		17,030	-	-		17,030	17,030	
Projects Coordinated with Roads Program	470	-	470	-	-	-	470	470	
S.E.R.G. Projects	500		500			-	500	500	
Treatment Plant/Outstations Projects	8,150	5,000	3,150	-	-	-	3,150	3,150	
<b>Sub-Total</b>	<b>26,150</b>	<b>5,000</b>	<b>21,150</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21,150</b>	<b>21,150</b>	-
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	22,630	14,300	8,330	-	-	-	8,330	8,330	-
<b>Sub-Total</b>	<b>22,630</b>	<b>14,300</b>	<b>8,330</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,330</b>	<b>8,330</b>	-
<b>Master Plan</b>									
Horizontal Assets	16,050		16,050	8,726	5,124		2,200	2,200	
Vertical Assets	650		650	-	-		650	650	
<b>Sub-Total</b>	<b>16,700</b>	<b>-</b>	<b>16,700</b>	<b>8,726</b>	<b>5,124</b>	<b>-</b>	<b>2,850</b>	<b>2,850</b>	-
<b>Development Program</b>									
Development\Extension Projects	2,080	200	1,880	1,159	681		40	40	
<b>Sub-Total</b>	<b>2,080</b>	<b>200</b>	<b>1,880</b>	<b>1,159</b>	<b>681</b>	<b>-</b>	<b>40</b>	<b>40</b>	-
<b>Total</b>	<b>67,560</b>	<b>19,500</b>	<b>48,060</b>	<b>9,885</b>	<b>5,805</b>	<b>-</b>	<b>32,370</b>	<b>32,370</b>	-

**CITY OF HAMILTON**  
**2011-2020 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>2013 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	15,830	-	15,830	-	-	-	15,830	15,830	-
Projects Coordinated with Roads Program	500	-	500	-	-	-	500	500	-
S.E.R.G. Projects	500	-	500	-	-	-	500	500	-
Treatment Plant/Outstations Projects	3,150	-	3,150	-	-	-	3,150	3,150	-
<b>Sub-Total</b>	<b>19,980</b>	<b>-</b>	<b>19,980</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19,980</b>	<b>19,980</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	20,430	13,500	6,930	-	-	-	6,930	6,930	-
<b>Sub-Total</b>	<b>20,430</b>	<b>13,500</b>	<b>6,930</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,930</b>	<b>6,930</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	23,180	-	23,180	13,847	8,133	-	1,200	1,200	-
Vertical Assets	1,000	-	1,000	-	-	-	1,000	1,000	-
<b>Sub-Total</b>	<b>24,180</b>	<b>-</b>	<b>24,180</b>	<b>13,847</b>	<b>8,133</b>	<b>-</b>	<b>2,200</b>	<b>2,200</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>64,590</b>	<b>13,500</b>	<b>51,090</b>	<b>13,847</b>	<b>8,133</b>	<b>-</b>	<b>29,110</b>	<b>29,110</b>	<b>-</b>
<b>2014 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	21,380	-	21,380	-	-	-	21,380	21,380	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	3,150	-	3,150	-	-	-	3,150	3,150	-
<b>Sub-Total</b>	<b>25,030</b>	<b>-</b>	<b>25,030</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>25,030</b>	<b>25,030</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	23,610	15,500	8,110	-	-	-	8,110	3,848	4,262
<b>Sub-Total</b>	<b>23,610</b>	<b>15,500</b>	<b>8,110</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,110</b>	<b>3,848</b>	<b>4,262</b>
<b>Master Plan</b>									
Horizontal Assets	14,000	-	14,000	8,064	4,736	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>14,000</b>	<b>-</b>	<b>14,000</b>	<b>8,064</b>	<b>4,736</b>	<b>-</b>	<b>1,200</b>	<b>1,200</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>62,640</b>	<b>15,500</b>	<b>47,140</b>	<b>8,064</b>	<b>4,736</b>	<b>-</b>	<b>34,340</b>	<b>30,078</b>	<b>4,262</b>

**CITY OF HAMILTON**  
**2011-2020 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>2015 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	16,030	-	16,030	-	-	-	16,030	16,030	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	5,150	-	5,150	-	-	-	5,150	5,150	-
<b>Sub-Total</b>	<b>21,680</b>	<b>-</b>	<b>21,680</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21,680</b>	<b>21,680</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	16,270	5,400	10,870	780	560	-	9,530	9,530	-
<b>Sub-Total</b>	<b>16,270</b>	<b>5,400</b>	<b>10,870</b>	<b>780</b>	<b>560</b>	<b>-</b>	<b>9,530</b>	<b>9,530</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	18,060	-	18,060	10,622	6,238	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>18,060</b>	<b>-</b>	<b>18,060</b>	<b>10,622</b>	<b>6,238</b>	<b>-</b>	<b>1,200</b>	<b>1,200</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>56,010</b>	<b>5,400</b>	<b>50,610</b>	<b>11,402</b>	<b>6,798</b>	<b>-</b>	<b>32,410</b>	<b>32,410</b>	<b>-</b>
<b>2016 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	15,780	-	15,780	-	-	-	15,780	15,780	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	21,150	-	21,150	-	-	-	21,150	21,150	-
<b>Sub-Total</b>	<b>37,430</b>	<b>-</b>	<b>37,430</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37,430</b>	<b>37,430</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	18,380	5,400	12,980	-	-	-	12,980	12,980	-
<b>Sub-Total</b>	<b>18,380</b>	<b>5,400</b>	<b>12,980</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12,980</b>	<b>12,980</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	13,400	-	13,400	7,686	4,514	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>13,400</b>	<b>-</b>	<b>13,400</b>	<b>7,686</b>	<b>4,514</b>	<b>-</b>	<b>1,200</b>	<b>1,200</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	100	-	100	63	37	-	-	-	-
<b>Sub-Total</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>63</b>	<b>37</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>69,310</b>	<b>5,400</b>	<b>63,910</b>	<b>7,749</b>	<b>4,551</b>	<b>-</b>	<b>51,610</b>	<b>51,610</b>	<b>-</b>

**CITY OF HAMILTON**  
**2011-2020 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	16,030	-	16,030	-	-	-	16,030	16,030	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	3,150	-	3,150	-	-	-	3,150	3,150	-
<b>Sub-Total</b>	<b>19,680</b>	<b>-</b>	<b>19,680</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19,680</b>	<b>19,680</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	223,880	104,000	119,880	61,163	3,737	-	54,980	22,005	32,975
<b>Sub-Total</b>	<b>223,880</b>	<b>104,000</b>	<b>119,880</b>	<b>61,163</b>	<b>3,737</b>	<b>-</b>	<b>54,980</b>	<b>22,005</b>	<b>32,975</b>
<b>Master Plan</b>									
Horizontal Assets	2,400	-	2,400	126	74	-	2,200	2,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>2,400</b>	<b>-</b>	<b>2,400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>2,200</b>	<b>2,200</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	130	-	130	82	48	-	-	-	-
<b>Sub-Total</b>	<b>130</b>	<b>-</b>	<b>130</b>	<b>82</b>	<b>48</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total</b>	<b>246,090</b>	<b>104,000</b>	<b>142,090</b>	<b>61,371</b>	<b>3,859</b>	<b>-</b>	<b>76,860</b>	<b>43,885</b>	<b>32,975</b>
<b>2018 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	15,780	-	15,780	-	-	-	15,780	15,780	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	3,150	-	3,150	-	-	-	3,150	3,150	-
<b>Sub-Total</b>	<b>19,430</b>	<b>-</b>	<b>19,430</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19,430</b>	<b>19,430</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	207,670	34,100	173,570	133,350	-	-	40,220	35,342	4,878
<b>Sub-Total</b>	<b>207,670</b>	<b>34,100</b>	<b>173,570</b>	<b>133,350</b>	<b>-</b>	<b>-</b>	<b>40,220</b>	<b>35,342</b>	<b>4,878</b>
<b>Master Plan</b>									
Horizontal Assets	2,400	-	2,400	126	74	-	2,200	2,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>2,400</b>	<b>-</b>	<b>2,400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>2,200</b>	<b>2,200</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>229,500</b>	<b>34,100</b>	<b>195,400</b>	<b>133,476</b>	<b>74</b>	<b>-</b>	<b>61,850</b>	<b>56,972</b>	<b>4,878</b>

**CITY OF HAMILTON**  
**2011-2020 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>2019 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	45,290	-	45,290	-	-	-	45,290	45,290	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	3,150	-	3,150	-	-	-	3,150	3,150	-
<b>Sub-Total</b>	<b>48,940</b>	<b>-</b>	<b>48,940</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>48,940</b>	<b>48,940</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	92,880	-	92,880	92,600	-	-	280	280	-
<b>Sub-Total</b>	<b>92,880</b>	<b>-</b>	<b>92,880</b>	<b>92,600</b>	<b>-</b>	<b>-</b>	<b>280</b>	<b>280</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	1,400	-	1,400	126	74	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>1,400</b>	<b>-</b>	<b>1,400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>1,200</b>	<b>1,200</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>143,220</b>	<b>-</b>	<b>143,220</b>	<b>92,726</b>	<b>74</b>	<b>-</b>	<b>50,420</b>	<b>50,420</b>	<b>-</b>
<b>2020 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	51,430	-	51,430	-	-	-	51,430	51,430	-
Projects Coordinated with Roads Program	250	-	250	-	-	-	250	250	-
S.E.R.G. Projects	250	-	250	-	-	-	250	250	-
Treatment Plant/Outstations Projects	3,150	-	3,150	-	-	-	3,150	3,150	-
<b>Sub-Total</b>	<b>55,080</b>	<b>-</b>	<b>55,080</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>55,080</b>	<b>55,080</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	90	-	90	-	-	-	90	90	-
<b>Sub-Total</b>	<b>90</b>	<b>-</b>	<b>90</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>90</b>	<b>90</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	1,400	-	1,400	126	74	-	1,200	1,200	-
Vertical Assets	-	-	-	-	-	-	-	-	-
<b>Sub-Total</b>	<b>1,400</b>	<b>-</b>	<b>1,400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>1,200</b>	<b>1,200</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>56,570</b>	<b>-</b>	<b>56,570</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>56,370</b>	<b>56,370</b>	<b>-</b>

**CITY OF HAMILTON**  
**2011-2020 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>Total Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	238,480	-	238,480	79	47	3,020	235,334	235,334	-
Projects Coordinated with Roads Program	6,020	-	6,020	-	-	-	6,020	6,020	-
S.E.R.G. Projects	2,750	-	2,750	-	-	-	2,750	2,750	-
Treatment Plant/Outstations Projects	100,350	30,000	70,350	4,963	2,757	3,050	59,580	59,580	-
<b>Sub-Total</b>	<b>347,600</b>	<b>30,000</b>	<b>317,600</b>	<b>5,042</b>	<b>2,804</b>	<b>6,070</b>	<b>303,684</b>	<b>303,684</b>	<b>-</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	658,330	215,300	443,030	287,893	4,297	7,300	143,540	101,425	42,115
<b>Sub-Total</b>	<b>658,330</b>	<b>215,300</b>	<b>443,030</b>	<b>287,893</b>	<b>4,297</b>	<b>7,300</b>	<b>143,540</b>	<b>101,425</b>	<b>42,115</b>
<b>Master Plan</b>									
Horizontal Assets	95,560	-	95,560	50,501	29,659	-	15,400	15,400	-
Vertical Assets	1,650	-	1,650	-	-	-	1,650	1,650	-
<b>Sub-Total</b>	<b>97,210</b>	<b>-</b>	<b>97,210</b>	<b>50,501</b>	<b>29,659</b>	<b>-</b>	<b>17,050</b>	<b>17,050</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	5,080	1,720	3,360	2,018	1,182	-	160	160	-
<b>Sub-Total</b>	<b>5,080</b>	<b>1,720</b>	<b>3,360</b>	<b>2,018</b>	<b>1,182</b>	<b>-</b>	<b>160</b>	<b>160</b>	<b>-</b>
<b>Total</b>	<b>1,108,220</b>	<b>247,020</b>	<b>861,200</b>	<b>345,454</b>	<b>37,942</b>	<b>13,370</b>	<b>464,434</b>	<b>422,319</b>	<b>42,115</b>