

**CITY OF HAMILTON**  
**2011-2020 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>2011</b>	<b>Sustainable Asset Management Strategy (SAM)</b>									
	Rehabilitation, Replacement & Upgrade Projects	19,795	-	19,795	220	130	8,550	10,895	10,895	-
	Projects Coordinated with Roads Program	7,280	-	7,280	-	-	-	7,280	7,280	-
	S.E.R.G. Projects	2,350	-	2,350	-	-	-	2,350	2,350	-
	Treatment Plant/Outstations Projects	19,660	-	19,660	-	-	14,960	4,700	4,700	-
	Treatment Plant/Outstations Projects-WQI	3,690	-	3,690	-	-	-	3,690	3,690	-
	<b>Sub-Total</b>	<b>52,775</b>	<b>-</b>	<b>52,775</b>	<b>220</b>	<b>130</b>	<b>23,510</b>	<b>28,915</b>	<b>28,915</b>	<b>-</b>
	<b>Wastewater Investments Needs Strategies (WINS)</b>									
	Treatment Plant/Outstations Projects	5,000	-	5,000	-	-	5,000	-	-	-
	<b>Sub-Total</b>	<b>5,000</b>	<b>-</b>	<b>5,000</b>	<b>-</b>	<b>-</b>	<b>5,000</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Master Plan</b>									
	Horizontal Assets	1,110	-	1,110	69	41	-	1,000	1,000	-
	Vertical Assets	4,490	-	4,490	2,828	1,662	-	-	-	-
	<b>Sub-Total</b>	<b>5,600</b>	<b>-</b>	<b>5,600</b>	<b>2,897</b>	<b>1,703</b>	<b>-</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>
	<b>Development Program</b>									
	Development\Extension Projects	1,880	-	1,880	711	489	-	680	680	-
	<b>Sub-Total</b>	<b>1,880</b>	<b>-</b>	<b>1,880</b>	<b>711</b>	<b>489</b>	<b>-</b>	<b>680</b>	<b>680</b>	<b>-</b>
	<b>Total</b>	<b>65,255</b>	<b>-</b>	<b>65,255</b>	<b>3,828</b>	<b>2,322</b>	<b>28,510</b>	<b>30,595</b>	<b>30,595</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>2012 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	15,520	-	15,520	-	-	-	15,520	15,520	
Projects Coordinated with Roads Program	5,060	-	5,060	-	-	-	5,060	5,060	
S.E.R.G. Projects	870	-	870	-	-	-	870	870	
Treatment Plant/Outstations Projects	4,850	-	4,850	-	-	-	4,850	695	4,155
Treatment Plant/Outstations Projects-WQI	4,130	-	4,130	-	-	-	4,130	4,130	
<b>Sub-Total</b>	<b>30,430</b>	<b>-</b>	<b>30,430</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>30,430</b>	<b>26,275</b>	<b>4,155</b>
<b>Wastewater Investments Needs Strategies (WINS)</b>									
Treatment Plant/Outstations Projects	5,000	-	5,000	-	-	-	5,000	5,000	
<b>Sub-Total</b>	<b>5,000</b>	<b>-</b>	<b>5,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,000</b>	<b>5,000</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	10,720		10,720	6,756	3,964		-	-	
Vertical Assets	19,700		19,700	10,006	9,694		-	-	
<b>Sub-Total</b>	<b>30,420</b>	<b>-</b>	<b>30,420</b>	<b>16,762</b>	<b>13,658</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	3,780	-	3,780	1,756	1,499		525	525	
<b>Sub-Total</b>	<b>3,780</b>	<b>-</b>	<b>3,780</b>	<b>1,756</b>	<b>1,499</b>	<b>-</b>	<b>525</b>	<b>525</b>	<b>-</b>
<b>Total</b>	<b>69,630</b>	<b>-</b>	<b>69,630</b>	<b>18,518</b>	<b>15,157</b>	<b>-</b>	<b>35,955</b>	<b>31,800</b>	<b>4,155</b>
<b>2013 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	14,060		14,060	315	185		13,560	13,560	
Projects Coordinated with Roads Program	1,700		1,700				1,700	1,700	
S.E.R.G. Projects	-		-				-	-	
Treatment Plant/Outstations Projects	43,450		43,450				43,450	17,275	26,175
Treatment Plant/Outstations Projects-WQI	30		30				30	30	
<b>Sub-Total</b>	<b>59,240</b>	<b>-</b>	<b>59,240</b>	<b>315</b>	<b>185</b>	<b>-</b>	<b>58,740</b>	<b>32,565</b>	<b>26,175</b>
<b>Master Plan</b>									
Horizontal Assets	19,040		19,040	11,995	7,045		-	-	
Vertical Assets	2,600		2,600	1,351	799		450	450	
<b>Sub-Total</b>	<b>21,640</b>	<b>-</b>	<b>21,640</b>	<b>13,346</b>	<b>7,844</b>	<b>-</b>	<b>450</b>	<b>450</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	400	-	400	126	74		200	200	
<b>Sub-Total</b>	<b>400</b>	<b>-</b>	<b>400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>
<b>Total</b>	<b>81,280</b>	<b>-</b>	<b>81,280</b>	<b>13,787</b>	<b>8,103</b>	<b>-</b>	<b>59,390</b>	<b>33,215</b>	<b>26,175</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>2014 Sustainable Asset Management Strategy (SAM)</b>								
Rehabilitation, Replacement & Upgrade Projects	16,480	16,480				16,480	16,480	
Projects Coordinated with Roads Program	9,210	9,210				9,210	6,892	2,318
S.E.R.G. Projects	100	100			-	100	100	
Treatment Plant/Outstations Projects	3,650	3,650			-	3,650	-	3,650
Treatment Plant/Outstations Projects-WQI	110	110				110	110	
<b>Sub-Total</b>	<b>29,550</b>	<b>29,550</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>29,550</b>	<b>23,582</b>	<b>5,968</b>
<b>Master Plan</b>								
Horizontal Assets	720	720	450	270		-	-	
Vertical Assets	6,900	6,900	2,744	1,606		2,550	2,550	
<b>Sub-Total</b>	<b>7,620</b>	<b>7,620</b>	<b>3,194</b>	<b>1,876</b>	<b>-</b>	<b>2,550</b>	<b>2,550</b>	<b>-</b>
<b>Development Program</b>								
Development\Extension Projects	900	900	391	229		280	280	
<b>Sub-Total</b>	<b>900</b>	<b>900</b>	<b>391</b>	<b>229</b>	<b>-</b>	<b>280</b>	<b>280</b>	<b>-</b>
<b>Total</b>	<b>38,070</b>	<b>38,070</b>	<b>3,585</b>	<b>2,105</b>	<b>-</b>	<b>32,380</b>	<b>26,412</b>	<b>5,968</b>
<b>2015 Sustainable Asset Management Strategy (SAM)</b>								
Rehabilitation, Replacement & Upgrade Projects	11,520	11,520				11,520	11,520	
Projects Coordinated with Roads Program	3,520	3,520				3,520	3,520	
S.E.R.G. Projects	1,900	1,900			-	1,900	1,900	
Treatment Plant/Outstations Projects	8,450	8,450				8,450	8,450	
Treatment Plant/Outstations Projects-WQI	1,070	1,070				1,070	1,070	
<b>Sub-Total</b>	<b>26,460</b>	<b>26,460</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26,460</b>	<b>26,460</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	6,690	6,690	2,882	1,698		2,110	2,110	
<b>Sub-Total</b>	<b>6,690</b>	<b>6,690</b>	<b>2,882</b>	<b>1,698</b>	<b>-</b>	<b>2,110</b>	<b>2,110</b>	<b>-</b>
<b>Total</b>	<b>33,150</b>	<b>33,150</b>	<b>2,882</b>	<b>1,698</b>	<b>-</b>	<b>28,570</b>	<b>28,570</b>	<b>-</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>2016 Sustainable Asset Management Strategy (SAM)</b>								
Rehabilitation, Replacement & Upgrade Projects	11,130	11,130				11,130	11,130	
Projects Coordinated with Roads Program	2,410	2,410				2,410	2,410	
S.E.R.G. Projects	-	-			-	-	-	
Treatment Plant/Outstations Projects	3,450	3,450				3,450	3,450	
Treatment Plant/Outstations Projects-WQI	1,280	1,280				1,280	1,280	
<b>Sub-Total</b>	<b>18,270</b>	<b>18,270</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18,270</b>	<b>18,270</b>	<b>-</b>
<b>Master Plan</b>								
Horizontal Assets	8,200	8,200	5,170	3,030		-	-	
Vertical Assets	-	-	-	-		-	-	
<b>Sub-Total</b>	<b>8,200</b>	<b>8,200</b>	<b>5,170</b>	<b>3,030</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>								
Development\Extension Projects	400	400	126	74		200	200	
<b>Sub-Total</b>	<b>400</b>	<b>400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>
<b>Total</b>	<b>26,870</b>	<b>26,870</b>	<b>5,296</b>	<b>3,104</b>	<b>-</b>	<b>18,470</b>	<b>18,470</b>	<b>-</b>
<b>2017 Sustainable Asset Management Strategy (SAM)</b>								
Rehabilitation, Replacement & Upgrade Projects	11,680	11,680				11,680	11,680	
Projects Coordinated with Roads Program	5,270	5,270				5,270	5,270	
S.E.R.G. Projects	-	-			-	-	-	
Treatment Plant/Outstations Projects	3,450	3,450				3,450	3,450	
Treatment Plant/Outstations Projects-WQI	1,080	1,080				1,080	1,080	
<b>Sub-Total</b>	<b>21,480</b>	<b>21,480</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>21,480</b>	<b>21,480</b>	<b>-</b>
<b>Master Plan</b>								
Horizontal Assets	12,120	12,120	7,640	4,480		-	-	
Vertical Assets	-	-	-	-		-	-	
<b>Sub-Total</b>	<b>12,120</b>	<b>12,120</b>	<b>7,640</b>	<b>4,480</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Development Program</b>								
Development\Extension Projects	400	400	126	74		200	200	
<b>Sub-Total</b>	<b>400</b>	<b>400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>
<b>Total</b>	<b>34,000</b>	<b>34,000</b>	<b>7,766</b>	<b>4,554</b>	<b>-</b>	<b>21,680</b>	<b>21,680</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>2018 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	11,730		11,730				11,730	11,730	
Projects Coordinated with Roads Program	1,160		1,160				1,160	1,160	
S.E.R.G. Projects	350		350			-	350	350	
Treatment Plant/Outstations Projects	3,450		3,450				3,450	3,450	
Treatment Plant/Outstations Projects-WQI	1,070		1,070				1,070	1,070	
<b>Sub-Total</b>	<b>17,760</b>	<b>-</b>	<b>17,760</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17,760</b>	<b>17,760</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	240		240	152	88		-	-	
Vertical Assets	680		680	380	230		70	70	
<b>Sub-Total</b>	<b>920</b>	<b>-</b>	<b>920</b>	<b>532</b>	<b>318</b>	<b>-</b>	<b>70</b>	<b>70</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	400		400	126	74		200	200	
<b>Sub-Total</b>	<b>400</b>	<b>-</b>	<b>400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>
<b>Total</b>	<b>19,080</b>	<b>-</b>	<b>19,080</b>	<b>658</b>	<b>392</b>	<b>-</b>	<b>18,030</b>	<b>18,030</b>	<b>-</b>
<b>2019 Sustainable Asset Management Strategy (SAM)</b>									
Rehabilitation, Replacement & Upgrade Projects	11,680		11,680				11,680	11,680	
Projects Coordinated with Roads Program	790		790				790	790	
S.E.R.G. Projects	-		-			-	-	-	
Treatment Plant/Outstations Projects	3,450		3,450				3,450	3,450	
Treatment Plant/Outstations Projects-WQI	1,280		1,280				1,280	1,280	
<b>Sub-Total</b>	<b>17,200</b>	<b>-</b>	<b>17,200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17,200</b>	<b>17,200</b>	<b>-</b>
<b>Master Plan</b>									
Horizontal Assets	1,360		1,360	857	503		-	-	
Vertical Assets	6,120		6,120	3,480	2,030		610	610	
<b>Sub-Total</b>	<b>7,480</b>	<b>-</b>	<b>7,480</b>	<b>4,337</b>	<b>2,533</b>	<b>-</b>	<b>610</b>	<b>610</b>	<b>-</b>
<b>Development Program</b>									
Development\Extension Projects	400		400	126	74		200	200	
<b>Sub-Total</b>	<b>400</b>	<b>-</b>	<b>400</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>
<b>Total</b>	<b>25,080</b>	<b>-</b>	<b>25,080</b>	<b>4,463</b>	<b>2,607</b>	<b>-</b>	<b>18,010</b>	<b>18,010</b>	<b>-</b>

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		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>2020</b>	<b>Sustainable Asset Management Strategy (SAM)</b>									
	Rehabilitation, Replacement & Upgrade Projects	11,130		11,130				11,130	11,130	
	Projects Coordinated with Roads Program	1,710		1,710				1,710	1,710	
	S.E.R.G. Projects	-		-			-	-	-	
	Treatment Plant/Outstations Projects	3,450		3,450				3,450	3,450	
	Treatment Plant/Outstations Projects-WQI	1,090		1,090				1,090	1,090	
	<b>Sub-Total</b>	<b>17,380</b>	<b>-</b>	<b>17,380</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>17,380</b>	<b>17,380</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	1,150	-	1,150	126	74		950	950	
	<b>Sub-Total</b>	<b>1,150</b>	<b>-</b>	<b>1,150</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>950</b>	<b>950</b>	<b>-</b>
	<b>Total</b>	<b>18,530</b>	<b>-</b>	<b>18,530</b>	<b>126</b>	<b>74</b>	<b>-</b>	<b>18,330</b>	<b>18,330</b>	<b>-</b>
<b>Total</b>	<b>Sustainable Asset Management Strategy (SAM)</b>									
	Rehabilitation, Replacement & Upgrade Projects	134,725	-	134,725	535	315	8,550	125,325	125,325	-
	Projects Coordinated with Roads Program	38,110	-	38,110	-	-	-	38,110	35,792	2,318
	S.E.R.G. Projects	5,570	-	5,570	-	-	-	5,570	5,570	-
	Treatment Plant/Outstations Projects	97,310	-	97,310	-	-	14,960	82,350	48,370	33,980
	Treatment Plant/Outstations Projects-WQI	14,830	-	14,830	-	-	-	14,830	14,830	-
	<b>Sub-Total</b>	<b>290,545</b>	<b>-</b>	<b>290,545</b>	<b>535</b>	<b>315</b>	<b>23,510</b>	<b>266,185</b>	<b>229,887</b>	<b>36,298</b>
	<b>Wastewater Investments Needs Strategies (WINS)</b>									
	Treatment Plant/Outstations Projects	10,000	-	10,000	-	-	5,000	5,000	5,000	-
	<b>Sub-Total</b>	<b>10,000</b>	<b>-</b>	<b>10,000</b>	<b>-</b>	<b>-</b>	<b>5,000</b>	<b>5,000</b>	<b>5,000</b>	<b>-</b>
	<b>Master Plan</b>									
	Horizontal Assets	53,510	-	53,510	33,089	19,421	-	1,000	1,000	-
	Vertical Assets	40,490	-	40,490	20,789	16,021	-	3,680	3,680	-
	<b>Sub-Total</b>	<b>94,000</b>	<b>-</b>	<b>94,000</b>	<b>53,878</b>	<b>35,442</b>	<b>-</b>	<b>4,680</b>	<b>4,680</b>	<b>-</b>
	<b>Development Program</b>									
	Development\Extension Projects	16,400	-	16,400	6,496	4,359	-	5,545	5,545	-
	<b>Sub-Total</b>	<b>16,400</b>	<b>-</b>	<b>16,400</b>	<b>6,496</b>	<b>4,359</b>	<b>-</b>	<b>5,545</b>	<b>5,545</b>	<b>-</b>
	<b>Total</b>	<b>410,945</b>	<b>-</b>	<b>410,945</b>	<b>60,909</b>	<b>40,116</b>	<b>28,510</b>	<b>281,410</b>	<b>245,112</b>	<b>36,298</b>