

**WASTEWATER SYSTEM  
2017 CAPITAL BUDGET PROJECT LIST  
(000's)**

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources							
							Dev Charges	Reserves	WIP Reserves	Other Internal Revenues	Funding Required	From Operating	Debt Own	WIP Debt
<b><i>Rehabilitation, Replacement &amp; Upgrade Projects (SAM)</i></b>														
City Wide	403175522	State of the Infrastructure - Asset Management	100	-	-	100	-	-	-	-	100	100	-	-
4	5161560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	230	-	-	230	-	-	-	-	230	230	-	-
City Wide	5161711101	Road Restoration Program	1,800	-	-	1,800	-	-	-	-	1,800	1,800	-	-
15	5161718420	Grindstone Creek Utility Bridge	390	-	-	390	-	-	-	-	390	390	-	-
City Wide	5161749555	QA-QC Service Contract Program	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5161755422	Sewer Use Bylaw Enforcement Infor Upgrade	80	-	-	80	-	-	-	-	80	80	-	-
City Wide	5161755640	Non-Trunk Flow Monitoring Program	100	-	-	100	50	-	-	-	50	50	-	-
City Wide	5161755955	Inflow & Infiltration Studies and Control Program	300	-	-	300	150	-	-	-	150	150	-	-
City Wide	5161760302	Emergency Repairs - Cross Connections Program	1,000	-	-	1,000	-	-	-	463	537	537	-	-
City Wide	5161760390	Wastewater System Lining Program	4,500	3,688	-	812	-	-	-	812	-	-	-	-
City Wide	5161760522	Sewer Lateral Management Program (WWC)	3,500	-	-	3,500	-	-	-	-	3,500	500	-	3,000
City Wide	5161760533	Trenchless Manhole Rehabilitation	80	-	-	80	-	-	-	-	80	80	-	-
City Wide	5161760575	Mainline Sewer Condition Assessment Program	1,330	844	-	486	-	-	-	486	-	-	-	-
City Wide	5161760576	Sewer Lateral Condition Assessment Program	900	-	-	900	-	-	-	-	900	900	-	-
City Wide	5161760711	PW Capital Water Consumption Program	200	-	-	200	-	-	-	-	200	200	-	-
City Wide	5161760820	Open Cut Repairs for CIPP Program	400	-	-	400	-	-	-	70	330	330	-	-
10, 11	5161761241	Eastern Sanitary Interceptor (ESI) Rehab - SSR at Fruitland	4,620	-	-	4,620	-	-	-	-	4,620	-	-	4,620
City Wide	5161761444	Sewer Lateral Replace/Rehab Program	4,000	563	-	3,438	-	-	-	-	3,438	3,438	-	-
City Wide	5161761740	Unscheduled Manhole and Sewermain Replacement Program	350	-	-	350	-	-	-	-	350	350	-	-
City Wide	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	1,540	1,050	-	490	-	-	-	-	490	-	-	490
City Wide	5161771015	Sewer Lateral Replacement for Co-ordinated Projects	300	-	-	300	-	-	-	300	-	-	-	-
<i>Sub-Total Rehabilitation, Replacement &amp; Upgrade Projects (SAM)</i>			<b>25,830</b>	<b>6,144</b>	-	<b>19,686</b>	<b>200</b>	-	-	<b>2,131</b>	<b>17,355</b>	<b>9,245</b>	-	<b>8,110</b>
<b><i>Projects Coordinated with Roads Program (SAM)</i></b>														
6	5161771725	Upper Ottawa - 40m s/o Reno Ave to Mountain Brow Blvd	70	-	-	70	-	-	-	-	70	70	-	-
<i>Sub-Total Projects Coordinated with Roads Program (SAM)</i>			<b>70</b>	-	-	<b>70</b>	-	-	-	-	<b>70</b>	<b>70</b>	-	-

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<b><u>Treatment Plant\Outstation Projects (SAM)</u></b>														
City Wide	5161066065	Waste Hauler Receiving Station - Eastport Drive SPS (HC017) Upgrades	550	-	-	550	-	-	-	-	550	202	-	348
12	5161267270	Ancaster Wastewater Outstations Upgrades	550	-	-	550	-	-	-	550	-	-	-	-
5	5161467756	Greenhill & Cochrane HCS01 Combined Sewer Overflow Tank Cleaning &	280	-	-	280	-	-	-	280	-	-	-	-
12	5161567564	Old Dundas Rd Sewage PS (HC005) Master Plan & Class EA FC001,	660	-	-	660	-	-	-	-	660	660	-	-
12, 13, 15	5161667622	DC009 & HC011 Wastewater Pumping Stations Upgrades	530	323	-	208	-	-	-	94	114	38	-	76
City Wide	5161766421	Woodward WWTP Methane Sphere Upgrades	4,400	3,000	-	1,400	-	-	-	360	1,040	1,040	-	-
City Wide	5161766713	Wastewater Maintenance Capital Program	3,500	-	-	3,500	-	-	1,252	300	1,948	-	-	1,948
City Wide	5161766745	Woodward WWTP - Operational Readiness	3,800	-	-	3,800	-	-	152	-	3,648	-	-	3,648
4	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades	550	-	-	550	-	-	-	-	550	-	-	550
City Wide	5161767752	Wastewater Outstation Inspections - Asset Management Program	220	-	-	220	-	-	-	220	-	-	-	-
<i>Sub-Total Treatment Plant\Outstation Projects (SAM)</i>			<b>15,040</b>	<b>3,323</b>	<b>-</b>	<b>11,718</b>	<b>-</b>	<b>-</b>	<b>1,404</b>	<b>1,804</b>	<b>8,510</b>	<b>1,940</b>	<b>-</b>	<b>6,570</b>
<b><u>Treatment Plant\Outstation Projects (WINS)</u></b>														
City Wide	5160866801	Woodward WWTP - Clean Harbour (CASH FLOWED)	8,532	322	-	8,210	365	3,000	4,845	-	-	-	-	-
City Wide	5160966910	Woodward WWTP - Biosolids Management Facility	1,410	(300)	(25)	1,735	(1,667)	750	2,652	-	-	-	-	-
City Wide	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	150	-	-	150	-	-	-	-	150	150	-	-
City Wide	5161769075	City Environmental Lab Improvements Program	250	-	-	250	-	-	-	-	250	250	-	-
<i>Sub-Total Treatment Plant\Outstation Projects (WINS)</i>			<b>10,342</b>	<b>22</b>	<b>(25)</b>	<b>10,345</b>	<b>(1,302)</b>	<b>3,750</b>	<b>7,497</b>	<b>-</b>	<b>400</b>	<b>400</b>	<b>-</b>	<b>-</b>
<b><u>Master Plans</u></b>														
1	5161596855	Royal to Main/King Sanitary Sewer Upgrades (WW-22)	6,840	-	-	6,840	6,840	-	-	-	-	-	-	-
City Wide	5161755010	Wastewater Systems Planning Program	300	-	-	300	-	-	-	-	300	300	-	-
15	5161796786	First Street (Waterdown Sanitary) PS Upgrade DC014	1,520	-	-	1,520	1,520	-	-	-	-	-	-	-
<i>Sub-Total Master Plans</i>			<b>8,660</b>	<b>-</b>	<b>-</b>	<b>8,660</b>	<b>8,360</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>300</b>	<b>300</b>	<b>-</b>	<b>-</b>

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<b><u>Development/Extension Projects</u></b>														
City Wide	5161796011	Intensification Infrastructure Upgrades Program - Wastewater	400	-	-	400	200	-	-	-	200	200	-	-
<i>Sub-Total Development/Extension Projects</i>			<b>400</b>	<b>-</b>	<b>-</b>	<b>400</b>	<b>200</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>200</b>	<b>200</b>	<b>-</b>	<b>-</b>
<b><u>Coordinated - Network Extension Projects</u></b>														
2	5161772720	Central Park	120	-	-	120	-	-	-	-	120	120	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>			<b>120</b>	<b>-</b>	<b>-</b>	<b>120</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>120</b>	<b>120</b>	<b>-</b>	<b>-</b>
<b><u>Equipment - New</u></b>														
City Wide	5161757420	SCADA Rain Gauges	50	-	-	50	-	-	-	-	50	50	-	-
<i>Sub-Total Equipment - New</i>			<b>50</b>	<b>-</b>	<b>-</b>	<b>50</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>50</b>	<b>50</b>	<b>-</b>	<b>-</b>
<b><u>Outstations-Wastewater Investment Needs (WINS)</u></b>														
City Wide	5161667421	New Haulage Receiving Station	940	-	-	940	-	-	-	748	192	-	-	192
<i>Sub-Total Outstations-Wastewater Investment Needs (WINS)</i>			<b>940</b>	<b>-</b>	<b>-</b>	<b>940</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>748</b>	<b>192</b>	<b>-</b>	<b>-</b>	<b>192</b>
<b><u>Water Quality Initiatives (WQI)</u></b>														
City Wide	5161468422	Randle Reef Sediment Remediation	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
<i>Sub-Total Water Quality Initiatives (WQI)</i>			<b>1,000</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,000</b>	<b>1,000</b>	<b>-</b>	<b>-</b>
<b>Total Wastewater System</b>			<b>62,452</b>	<b>9,488</b>	<b>-25</b>	<b>52,989</b>	<b>7,458</b>	<b>3,750</b>	<b>8,901</b>	<b>4,683</b>	<b>28,197</b>	<b>13,325</b>	<b>-</b>	<b>14,872</b>