

**WATER 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
<i>Rehabilitation, Replacement & Upgrade Projects (SAM)</i>														
City Wide	403175522	State of the Infrastructure - Asset Management	100	-	-	100	-	-	-	-	100	100	-	-
City Wide	5141455425	Prestressed Concrete Cylinder Pipe Condition Assessment Inspection	500	281	-	219	-	-	-	-	219	219	-	-
City Wide	5141555555	Ctiy Wide Groundwater Model	80	-	-	80	-	-	-	-	80	80	-	-
14, 15	5141667423	Freelton Well (FDF01) Capacity Increase	220	-	-	220	-	-	-	-	220	220	-	-
City Wide	5141711101	Road Restoration Program	5,400	-	-	5,400	-	-	-	-	5,400	5,400	-	-
City Wide	5141749555	QA-QC Service Contract Program	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5141751710	Fleet Additions	560	-	-	560	-	-	-	-	560	560	-	-
City Wide	5141755851	Water Efficiency Plan/Program	200	-	-	200	-	-	-	22	178	178	-	-
City Wide	5141757626	Critical Watermain Inspection Program	330	225	-	105	-	-	-	-	105	105	-	-
City Wide	5141757628	Mountain Feedermain	340	-	-	340	-	-	-	40	300	300	-	-
City Wide	5141757750	Carlisle AMR/AMI Pilot Project	250	-	-	250	-	-	-	150	100	100	-	-
City Wide	5141760080	Valve Replacement Program	1,600	-	-	1,600	-	-	-	-	1,600	1,600	-	-
City Wide	5141760577	Metallic Watermain Condition Assessment Program	700	450	-	250	-	-	-	-	250	250	-	-
City Wide	5141760711	PW Capital Water Consumption Program	200	-	-	200	-	-	-	-	200	200	-	-
City Wide	5141760750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
City Wide	5141760754	Kenilworth Transmission Watermain Renewal	200	-	-	200	-	-	-	-	200	200	-	-
3	5141761300	Burlington Trunkmain Repairs	450	-	-	450	-	-	-	100	350	350	-	-
2	5141761300	James and Charlton Intersection	1,000	-	-	1,000	-	-	-	600	400	400	-	-
5	5141761300	Woodward Greenhill Transmission Main Pipeline repair on Summercrest	180	-	-	180	-	-	-	-	180	180	-	-
City Wide	5141761502	Water Meter - Installation/Replacement/Repair - General Maintenance	2,100	-	-	2,100	-	-	-	360	1,740	1,740	-	-
City Wide	5141761777	Beach Trunkmain Rehab	5,000	-	-	5,000	-	-	-	-	5,000	5,000	-	-
City Wide	5141762078	Substandard Water Service Replacement Program	4,000	-	-	4,000	-	-	-	-	4,000	4,000	-	-
City Wide	5141763757	City of Hamilton Bulk Water Fill Stations Upgrade	80	-	-	80	-	-	-	80	-	-	-	-
City Wide	5141766421	Woodward WTP Fluoride Building HVAC	390	-	-	390	-	-	-	-	390	390	-	-
City Wide	5141771074	Contingency for Unscheduled Works Program	200	-	-	200	-	-	-	-	200	200	-	-
<i>Sub-Total Rehabilitation, Replacement & Upgrade Projects (SAM)</i>			25,190	956	-	24,234	-	-	-	1,352	22,882	22,882	-	-

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<i>Projects Coordinated with Roads Program (SAM)</i>															
	11	5141671301	McNeilly - Highway 8 to South End	660	-	-	660	-	-	-	-	660	660	-	-
	7	5141671301	Upper Sherman - Rymal to Stone Church	1,650	-	-	1,650	-	-	-	-	1,650	1,650	-	-
City Wide		5141770000	Coordinated Road and Subsurface Works	3,000	-	-	3,000	-	-	-	-	3,000	3,000	-	-
	8	5141771301	Sanatorium / Westaway / W17th / W18th (Buchanan Neighbourhood)	1,200	-	-	1,200	-	-	-	-	1,200	1,200	-	-
	2	5141771301	Sheaffe / Cannon (local road section) / Caroline / Railway	100	-	-	100	-	-	-	-	100	100	-	-
	2	5141771301	Watermain Replacement under CP Tracks at Ferguson	50	-	-	50	-	-	-	-	50	50	-	-
	12	5141771301	Wilson - Hamilton to Seminole	850	-	-	850	-	-	-	-	850	850	-	-
	<i>Sub-Total Projects Coordinated with Roads Program (SAM)</i>			7,510	-	-	7,510	-	-	-	-	7,510	7,510	-	-
<i>Treatment Plant\Outstation Projects (SAM)</i>															
	4	5141166110	Water Treatment Plant - Process Upgrades - CASH FLOWED	4,150	-	-	4,150	337	-	-	-	3,813	3,813	-	-
	4	5141267274	Kenilworth Pumping Station (HD005) - Phase 2	300	-	-	300	-	-	-	-	300	300	-	-
	1	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	550	-	-	550	-	-	-	-	550	550	-	-
	4	5141567574	HDR01 Kenilworth Reservoir	440	-	-	440	-	-	-	-	440	440	-	-
	4	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2	220	-	-	220	-	-	-	-	220	220	-	-
City Wide		5141567577	Security System Upgrades - High Priority Water Pumping Station Facilities	4,980	-	-	4,980	-	-	-	-	4,980	4,980	-	-
	14	5141666608	Lynden Additional Water Supply	2,860	1,950	-	910	-	-	-	-	910	910	-	-
	10	5141667420	Ben Nevis & Dewitt (HD08A) Water Pumping Station Upgrades	1,360	900	-	460	-	-	-	-	460	460	-	-
	12	5141667421	Glancaster Rd & Hwy 53 Pumping Station (HD018) Upgrades	4,400	-	-	4,400	-	-	-	-	4,400	4,400	-	-
	13	5141667422	Osler Road Pumping Station (HD011) Upgrades	1,820	1,125	-	695	-	-	-	-	695	695	-	-
	14	5141667424	Freelton Tower HDT03 Upgrades	2,000	1,069	-	931	-	-	-	-	931	931	-	-
City Wide		5141766711	Water Treatment Studies Program	250	-	-	250	-	-	-	250	-	-	-	-
City Wide		5141766713	Water Maintenance Capital Program	2,500	-	-	2,500	-	-	-	950	1,550	1,550	-	-
	15	5141767420	Carlisle Well Stations System Enhancements	440	-	-	440	-	-	-	-	440	440	-	-
	14	5141767650	New Greensville Communal Well	390	-	-	390	-	-	-	-	390	390	-	-
City Wide		5141767752	Water Outstation Inspections - Asset Management	550	-	-	550	-	-	-	-	550	550	-	-
	<i>Sub-Total Treatment Plant\Outstation Projects (SAM)</i>			27,210	5,044	-	22,166	337	-	-	1,200	20,629	20,629	-	-

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<u>Pumping Station</u>														
2	5141767422	New PD2 Water Pumping Station	500	-	-	500	-	-	-	-	500	500	-	-
		<i>Sub-Total Pumping Station</i>	500	-	-	500	-	-	-	-	500	500	-	-
<u>Water Quality Initiatives (WQI)</u>														
4	5141766150	GAC Replacement	550	-	-	550	-	-	-	-	550	550	-	-
		<i>Sub-Total Water Quality Initiatives (WQI)</i>	550	-	-	550	-	-	-	-	550	550	-	-
<u>Watermain Lining</u>														
City Wide	5141760072	Watermain Structural Lining	6,700	3,938	-	2,763	-	-	-	-	2,763	2,763	-	-
		<i>Sub-Total Watermain Lining</i>	6,700	3,938	-	2,763	-	-	-	-	2,763	2,763	-	-
Total Water System			99,850	12,248	-	87,603	26,280	-	-	2,552	58,771	58,771	-	-