

**CITY OF HAMILTON
WATER SYSTEM
2018 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	WIP Other	Funding Required	From Operating	Debt Own	WIP Debt
<u>Rehabilitation, Replacement & Upgrade Projects (SAM)</u>														
City Wide	4031814405	Contaminated Soil & Rock Disposal Program	100	-	-	100	-	-	-	-	100	100	-	-
City Wide	5141455425	Prestressed Concrete Cylinder Pipe Condition Assessment Inspection	500	94	-	406	-	-	-	-	406	406	-	-
4	5141641226	Centralized Water and WW Operations Centre (CASH FLOWED)	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
14, 15	5141667423	Freelton Well (FDF01) Capacity Increase	1,100	-	-	1,100	1,022	-	-	-	78	78	-	-
City Wide	5141760754	Kenilworth Transmission Watermain Renewal	2,200	-	-	2,200	-	-	-	-	2,200	200	2,000	-
City Wide	5141766421	Woodward WTP Fluoride Building HVAC	300	-	-	300	-	-	-	-	300	300	-	-
City Wide	5141811101	Road Restoration Program	5,400	-	-	5,400	-	-	-	-	5,400	5,400	-	-
City Wide	5141849555	QA-QC Service Contract Program	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5141851810	Fleet Additions	580	-	-	580	-	-	-	-	580	580	-	-
City Wide	5141855556	Mapping Update Program	40	-	-	40	-	-	-	-	40	40	-	-
City Wide	5141855851	Water Efficiency Plan/Program	150	-	-	150	-	-	-	-	150	150	-	-
City Wide	5141857626	Critical Watermain Inspection Program	330	75	-	255	-	-	-	-	255	255	-	-
City Wide	5141857627	Fennell Trunkmain Inspection	700	-	-	700	-	-	-	-	700	700	-	-
City Wide	5141857628	Saltfleet Trunkmain Inspection	550	-	-	550	-	-	-	-	550	550	-	-
City Wide	5141860080	Valve Replacement Program	1,000	-	-	1,000	-	-	-	-	1,000	1,000	-	-
City Wide	5141860577	Metallic Watermain Condition Assessment Program	700	150	-	550	-	-	-	-	550	550	-	-
City Wide	5141860711	PW Capital Water Consumption Program	200	-	-	200	-	-	-	-	200	200	-	-
City Wide	5141860750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	700	-	-	700	-	-	-	-	700	700	-	-
1, 2	5141861300	Barton - Queen to Locke	100	-	-	100	-	-	-	-	100	100	-	-
2	5141861300	Mulberry - Bay to James	700	-	-	700	-	-	-	-	700	700	-	-
City Wide	5141861502	Water Meter - Installation/Replacement/Repair - General Maintenance	2,800	-	-	2,800	-	640	-	-	2,160	2,160	-	-
City Wide	5141862078	Substandard Water Service Replacement Program	2,750	-	-	2,750	-	-	-	-	2,750	2,750	-	-
City Wide	5141871074	Contingency for Unscheduled Works Program	100	-	-	100	-	-	-	-	100	100	-	-
City Wide	5141895956	Water Distribution Model	350	-	-	350	-	-	-	350	-	-	-	-
<i>Sub-Total Rehabilitation, Replacement & Upgrade Projects (SAM)</i>			22,460	319	-	22,141	1,022	640	-	350	20,129	18,129	2,000	-
<u>Projects Coordinated with Roads Program (SAM)</u>														
City Wide	4411806202	Coordinated Road and Subsurface Works - Central Park	560	-	-	560	-	-	-	-	560	560	-	-
2	4411806202	Sheaffe / Cannon / Caroline / Railway / Mill / Harriet (Central Park)	1,100	-	-	1,100	-	-	-	-	1,100	1,100	-	-
8	5141571301	Rymal W - Garth to West 5th	1,950	-	-	1,950	-	-	-	-	1,950	195	1,755	-
2	5141771301	Watermain Replacement under CP Tracks at Ferguson	200	-	-	200	-	-	-	-	200	200	-	-
City Wide	5141870000	Coordinated Road and Subsurface Works	4,340	-	-	4,340	-	-	-	-	4,340	4,340	-	-
8	5141871301	Columbia / Hudson / Leadale / Marcus / Stacey / Verona	1,290	-	-	1,290	-	-	-	-	1,290	130	1,160	-
2	5141871301	Ferguson/Foster/Walnut/Patrick	200	-	-	200	-	-	-	200	-	-	-	-
7	5141871301	Mackenzie - East 27th to Upper Sherman (Burkholme Neighbourhood)	190	-	-	190	-	-	-	-	190	190	-	-
6	5141871301	Mohawk - Upper Ottawa to Upper Kenilworth	1,450	-	-	1,450	-	-	-	-	1,450	145	1,305	-
8	5141871301	South Bend & Delmar (Buchanan Neighbourhood)	940	-	-	940	-	-	-	-	940	940	-	-
3	5141871301	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	1,050	-	-	1,050	-	-	-	-	1,050	1,050	-	-
<i>Sub-Total Projects Coordinated with Roads Program (SAM)</i>			13,270	-	-	13,270	-	-	-	200	13,070	8,850	4,220	-

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<u>Treatment Plant/Outstation Projects (SAM)</u>														
4	5141166110	Water Treatment Plant - Process Upgrades (CASH FLOWED)	6,290	-	-	6,290	-	-	-	550	5,740	-	5,740	-
5, 10, 11	5141267275	Stoney Creek Water Outstations Upgrades	500	-	-	500	-	-	-	-	500	500	-	-
4	5141269250	HVAC system Upgrades at New Environmental Laboratory and	220	-	-	220	-	-	-	-	220	220	-	-
1	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	280	-	-	280	-	-	-	-	280	280	-	-
14	5141666608	Lynden Additional Water Supply	1,320	-	-	1,320	-	-	-	-	1,320	120	1,200	-
10	5141667420	Ben Nevis & Dewitt (HD08A) Water Pumping Station Upgrades	880	-	-	880	-	-	-	-	880	880	-	-
15	5141767420	Carlisle Well Stations System Enhancements	500	-	-	500	-	-	-	-	500	500	-	-
14	5141767650	New Greensville Communal Well	110	-	-	110	-	-	-	-	110	110	-	-
City Wide	5141866713	Water Maintenance Capital Program	1,500	-	-	1,500	-	-	-	580	920	920	-	-
9	5141867651	HD007 Highland Rd Reservoir Upgrades	260	-	-	260	-	-	-	-	260	260	-	-
City Wide	5141867752	Water Outstation Inspections - Asset Management	660	-	-	660	-	-	-	-	660	660	-	-
15	5141895852	Carlisle Water System - Additional Water Storage (CASH FLOWED)	440	-	-	440	-	-	-	-	440	440	-	-
<i>Sub-Total Treatment Plant/Outstation Projects (SAM)</i>			12,960	-	-	12,960	-	-	-	1,130	11,830	4,890	6,940	-
<u>Treatment Plant/Outstation Projects (WQI)</u>														
City Wide	5141869075	City Environmental Lab Improvements Program	200	-	-	200	-	-	-	-	200	200	-	-
<i>Sub-Total Treatment Plant/Outstation Projects (WQI)</i>			200	-	-	200	-	-	-	-	200	200	-	-
<u>Master Plans</u>														
12	5141395354	PD18 (Ancaster) Elevated Reservoir (W-14) (CASH FLOWED)	60	-	-	60	30	-	-	-	30	30	-	-
11	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	550	-	-	550	550	-	-	-	-	-	-	-
13	5141596152	PD11 (Governor's Road) Watermain Extension (W-05)	580	-	-	580	580	-	-	-	-	-	-	-
5	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	7,550	-	-	7,550	5,512	-	-	-	2,038	403	1,635	-
13, 15	5141796752	PD16 (Waterdown) Trunk Feedermain - PS HD016 (CASH FLOWED)	440	-	-	440	330	-	-	-	110	110	-	-
City Wide	5141855010	Water Systems Planning Program	300	-	-	300	-	-	-	70	230	230	-	-
<i>Sub-Total Master Plans</i>			9,480	-	-	9,480	7,002	-	-	70	2,408	773	1,635	-
<u>Development/Extension Projects</u>														
9	5141380370	Upper Mount Albion - Highland to approximately 410m S	400	-	-	400	400	-	-	-	-	-	-	-
6, 9	5141880886	Pritchard Rd - Connect Watermain from #355 to #601	110	-	-	110	-	-	-	-	110	110	-	-
<i>Sub-Total Development/Extension Projects</i>			510	-	-	510	400	-	-	-	110	110	-	-

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<u>Coordinated - Network Extension Projects</u>														
6, 9	5141880887	Multi-Area Employment Lands - W/M for Extension to Pritchard	70	-	-	70	-	-	-	-	70	70	-	-
<i>Sub-Total Coordinated - Network Extension Projects</i>			70	-	-	70	-	-	-	-	70	70	-	-
<u>Coordinated Projects</u>														
City Wide	5141855777	LRT Corridor - Water Infrastructure Assessment and Approvals	220	-	-	220	-	-	-	-	220	220	-	-
<i>Sub-Total Coordinated Projects</i>			220	-	-	220	-	-	-	-	220	220	-	-
<u>Energy Management</u>														
City Wide	5141866350	Water Treatment Plant Lighting Upgrade	200	20	-	180	-	-	-	-	180	180	-	-
<i>Sub-Total Energy Management</i>			200	20	-	180	-	-	-	-	180	180	-	-
<u>Watermain Lining</u>														
City Wide	5141860072	Watermain Structural Lining	5,200	1,313	-	3,887	-	-	-	507	3,380	3,380	-	-
6	5141860072	Watermain Structural Lining - Site 1 (Sunning Hill)	2,000	-	-	2,000	-	-	-	-	2,000	180	1,820	-
<i>Sub-Total Watermain Lining</i>			7,200	1,313	-	5,887	-	-	-	507	5,380	3,560	1,820	-
Total All Projects			66,570	1,652	-	64,918	8,424	640	-	2,257	53,597	36,982	16,615	-