

**WATER SYSTEM MANAGEMENT
2015 CAPITAL BUDGET PROJECT LIST & FUNDING SOURCES
(000's)**

City Ward	Project Number	Project Description	Gross Costs	External Revenues	Net Costs	Financing Sources					
						Dev Charges	Reserves	Other Internal Revenue	Funding Required	From Operating	Debt Own
<u>Water System</u>											
<u>Rehabilitation, Replacement & Upgrade Projects</u>											
City Wide	4031514405	Contaminated Soil & Rock Disposal Program	250	-	250	-	-	-	250	250	-
City Wide	4031555522	State of the Infrastructure - Asset Management	100	-	100	-	-	-	100	100	-
City Wide	5141455425	Prestressed Concrete Cylinder Pipe Condition Assessment Inspection Program	500	-	500	-	-	-	500	500	-
City Wide	5141455556	Mapping Update Program	30	-	30	-	-	-	30	30	-
2, 3	5141461300	Main @ Wellington Intersection	90	-	90	-	-	-	90	90	-
City Wide	5141511101	Road Restoration Program	3,000	-	3,000	-	-	-	3,000	3,000	-
City Wide	5141549555	QA-QC Service Contract Program	110	-	110	-	-	-	110	110	-
City Wide	5141555501	Ferguson Pump station to Scenic Reservoir Trunk Main Inspection	1,150	-	1,150	-	-	-	1,150	1,150	-
9	5141555502	King - Greenhill to Centennial Inspection	150	-	150	-	-	-	150	150	-
City Wide	5141555555	City Wide Groundwater Model	220	-	220	-	-	220	-	-	-
City Wide	5141555851	Water Efficiency Plan/Program	100	-	100	-	-	-	100	100	-
City Wide	5141557543	Workforce & Time Management Solution (Kronos) - Single Source	430	-	430	-	-	-	430	430	-
City Wide	5141557626	Critical Watermain Inspection Program	600	-	600	-	-	-	600	600	-
4	5141560072	WM Structural Lining - Site 1 (Strathearn, Fairfield, etc.)	3,600	-	3,600	-	-	-	3,600	3,600	-
7	5141560072	WM Structural Lining - Site 2 (East 19th, Jellicoe, etc.)	1,470	-	1,470	-	-	1,320	150	150	-
City Wide	5141560080	Valve Replacement Program	500	-	500	-	-	500	-	-	-
City Wide	5141560523	Air Valve Management	200	-	200	-	-	-	200	200	-
City Wide	5141560577	Metallic Watermain Condition Assessment Program	700	-	700	-	-	-	700	700	-
City Wide	5141560711	PW Capital Water Consumption Program	110	-	110	-	-	-	110	110	-
City Wide	5141560750	Unscheduled Valve, Hydrant, Watermain & Misc. Water Replace Program	2,500	-	2,500	-	-	-	2,500	2,500	-
7	5141561300	Edwina - Lawson to Berko & Berko - Edwina to Lawfield	40	-	40	-	-	-	40	40	-
7	5141561300	Eleanor - Stone Church to Dulgaren	900	-	900	-	-	-	900	900	-
City Wide	5141562078	Substandard Water Service Replacement Program	2,000	-	2,000	-	-	-	2,000	2,000	-
<u>Sub-Total Rehabilitation, Replacement & Upgrade Projects</u>			18,750	-	18,750	-	-	2,040	16,710	16,710	-
<u>Projects Coordinated with Roads Program</u>											
4	5141471301	Brunswick / Talbot / Osbourne / Waverly / Melvin - Council Priority	1,470	-	1,470	-	-	-	1,470	1,470	-
13	5141471301	Don/Dunning/Colmar/Osler & Grant - Osler to Don - Council Priority	700	-	700	-	-	-	700	700	-
City Wide	5141570000	Coordinated Road and Subsurface Works	9,500	-	9,500	-	-	-	9,500	9,500	-
3	5141571301	Albemarle - Gertrude to end - Council Priority	300	-	300	-	-	-	300	300	-
1	5141571301	Bowman - Willowcrest to south end & Ainslie - Bowman to east end	100	-	100	-	-	50	50	50	-
7	5141571301	Chipman - Upper James to east end - Council Priority	490	-	490	-	-	-	490	490	-

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<u>Projects Coordinated with Roads Program con't</u>												
7	5141571301	Concession - Upper Sherman to Upper Wentworth - Council Priority	1,300	-	1,300	-	-	-	1,300	1,300	-	
7	5141571301	Concession - Upper Wellington to Upper Wentworth	1,400	-	1,400	-	-	-	1,400	1,400	-	
9	5141571301	King - Battlefield to Applewood / Mountain / Rosedale - Council Priority	1,650	-	1,650	-	-	-	1,650	1,650	-	
6	5141571301	Mountain Brow - Traffic Circle to Mohawk & Broker - Upper Kenilworth to Mtn Brow - Council Priority	1,500	-	1,500	-	-	-	1,500	1,500	-	
6	5141571301	Muir - Upper Gage to Palmer	310	-	310	-	-	-	310	310	-	
4	5141571301	Parkdale - Barton to Burlington	1,400	-	1,400	-	-	-	1,400	1,400	-	
8	5141571301	Rymal W - Garth to West 5th	100	-	100	-	-	-	100	100	-	
8	5141571301	West 35th - Scenic to end	100	-	100	-	-	-	100	100	-	
1	5141572304	Hillcrest Feedermain	570	-	570	-	-	-	570	570	-	
Sub-Total Projects Coordinated with Roads Program			20,890	-	20,890	-	-	50	20,840	20,840	-	
<u>Treatment Plant\Outstation Projects</u>												
City Wide	5141267270	Water Distribution Control Valve Upgrades	610	-	610	-	-	610	-	-	-	
4	5141267274	Kenilworth Pumping Station (HD005) - Phase 2	500	-	500	-	-	500	-	-	-	
5, 10, 11	5141267275	Stoney Creek Water Outstations Upgrades	200	-	200	-	-	200	-	-	-	
4	5141269250	HVAC system Upgrades at New Environmental Laboratory and Administration Building	850	-	850	-	-	850	-	-	-	
2	5141395353	Ferguson Avenue HD002 Pumping Station	330	-	330	-	-	330	-	-	-	
City Wide	5141566711	Water Treatment Studies Program	250	-	250	-	-	-	250	250	-	
City Wide	5141566713	Water Maintenance Capital Program	600	-	600	-	-	-	600	600	-	
1	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	520	-	520	-	-	520	-	-	-	
8	5141567520	Stone Church/Garth Water (HDR05) Reservoir	900	-	900	-	-	900	-	-	-	
10	5141567525	Abandoned HDR08 Millen & Maple Water Reservoir Decommissioning	520	-	520	-	-	520	-	-	-	
4	5141567574	HDR01 Kenilworth Reservoir	110	-	110	-	-	110	-	-	-	
4	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2	110	-	110	-	-	110	-	-	-	
<u>Treatment Plant\Outstation Projects con't</u>												
4	5141567576	Low Lift Pumping Station Improvements	470	-	470	-	-	470	-	-	-	
City Wide	5141567577	Security System Upgrades - High Priority Water Pumping Station Facilities	620	-	620	-	-	620	-	-	-	
City Wide	5141567752	Water Outstation Inspections - Asset Management	550	-	550	-	-	550	-	-	-	
Sub-Total Treatment Plant\Outstation Projects			7,140	-	7,140	-	-	6,290	850	850	-	
<u>Water Quality Initiatives (WQI)</u>												
City Wide	5141569075	City Environmental Lab Improvements Program	70	-	70	-	-	-	70	70	-	
Sub-Total Water Quality Initiatives (WQI)			70	-	70	-	-	-	70	70	-	

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<i>Master Plans</i>												
	12	5141395354	PD18 (Ancaster) Elevated Reservoir (W-14)	280	-	280	140	-	-	140	140	-
	11	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	280	-	280	280	-	-	-	-	-
City Wide		5141555010	Water Systems Planning Program	450	-	450	-	-	450	-	-	-
City Wide		5141555264	City-Wide Water Master Plan	550	-	550	-	-	260	290	290	-
	13	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade & Standby Power Installation (W-04)	220	-	220	220	-	-	-	-	-
	5, 9	5141595558	Centennial Parkway Trunk W/M Extension - Valve Chamber #3 - Mud/Up. Centennial (W-13) - (CASH FLOW)	2,970	-	2,970	2,370	-	600	-	-	-
	13	5141596152	PD11 (Governor's Road) Watermain Extension (W-05)	80	-	80	80	-	-	-	-	-
	13	5141596153	PD22 (Governor's Road) Watermain Extension (W-06)	120	-	120	120	-	-	-	-	-
	6, 9	5141596550	Stone Church Feedermain (W-24)	3,300	-	3,300	3,300	-	-	-	-	-
	5	5141596558	Greenhill Feedermain - King to Greenhill Tank	5,700	-	5,700	3,700	-	1,800	200	200	-
<i>Sub-Total Master Plans</i>			13,950	-	13,950	10,210	-	3,110	630	630	-	
<i>Development/Extension Projects</i>												
	5	5141563545	New Valve Chamber at HD05A Pumping Station (Greenhill & Summercrest)	440	-	440	320	-	120	-	-	-
	6, 7	5141563556	PD 5 and 6 Boundary Realignment Watermain	200	-	200	-	-	-	200	200	-
	11	5141564533	Upper Wentworth - South limit @ Hydro Corridor to Twenty	70	-	70	70	-	-	-	-	-
	11	5141580575	Glover - Barton to Glover Access Road	780	-	780	780	-	-	-	-	-
	11	5141580588	RR 56 - Binbrook Rd to Cemetery	710	-	710	580	-	-	130	130	-
<i>Sub-Total Development/Extension Projects</i>			2,200	-	2,200	1,750	-	120	330	330	-	
<i>Total Water System</i>			63,000	-	63,000	11,960	-	11,610	39,430	39,430	-	