

**CITY OF HAMILTON
WATER SYSTEM MANAGEMENT
2011 CAPITAL BUDGET PROJECT LIST & FUNDING SOURCES
(000's)**

City Ward	Project Number	Project Description	Gross Costs	Grants & Subsidies	Other External Revenues	Net Costs	Financing Sources					
							Dev Charges	Reserves	Other Internal Revenues	Funding Required	From Operating	Debt Own
<u>Rehabilitation, Replacement & Upgrade Projects (SAM)</u>												
City Wide	4031114405	Annual Contaminated Soil & Rock Disposal	250	-	-	250	-	-	250	-	-	
City Wide	5140657627	Hansen Software Migration - Version 7 To Version 8	200	-	-	200	-	-	-	200	200	
City Wide	5140662624	Automated Flushing Stations	250	-	-	250	-	-	-	250	250	
City Wide	5140760750	Unscheduled Valve, Hydrant, Watermain and misc waterworks Replacement	1,550	-	-	1,550	-	-	-	1,550	1,550	
City Wide	5140851810	Fleet Additions	240	-	-	240	-	-	-	240	240	
City Wide	5140855851	Water Efficiency Plan/Program	100	-	-	100	-	-	-	100	100	
City Wide	5140957644	Intergraph Software - Corporate Site License	320	-	-	320	-	-	-	320	320	
City Wide	5141060623	Air Valve Management	100	-	-	100	-	-	-	100	100	
9	5141061303	Valve Chamber No 3-First Road West/Isaac Brock at escarpment	400	-	-	400	-	-	-	400	400	
City Wide	5141111101	Annual Road Restoration	500	-	-	500	-	-	-	500	500	
4, 5	5141155122	Woodward-Greenhill Transmission Main - Assessment & Rehab	850	-	-	850	-	-	-	850	850	
City Wide	5141157626	Annual Watermain Condition Data Collection	500	-	-	500	-	-	-	500	500	
City Wide	5141160072	Annual Watermain Lining Program	2,680	-	-	2,680	-	-	-	2,680	2,680	
10	5141161300	Dewitt Rd - Barton St to Arvin Ave	710	-	-	710	-	-	-	710	710	
10	5141161300	Green Rd - Highway No. 8 to 90m s/o Hwy 8	415	-	-	415	-	-	-	415	415	
City Wide	5141161502	Water Meter - Installation/Replacement/Repair - General Maintenance	2,000	-	-	2,000	-	-	-	2,000	2,000	
City Wide	5141162073	Annual Field Data Systems	80	-	-	80	-	-	-	80	80	
City Wide	5141162078	Annual Substandard Water Service Replace	2,300	-	-	2,300	-	-	2,300	-	-	
City Wide	5141170000	Annual Coordination - Road Replacement	6,000	-	-	6,000	-	-	6,000	-	-	
8	5141196111	Scenic Dr - 250 metres n/o San Pedro to Goulding	350	-	-	350	350	-	-	-	-	
Sub-Total Rehabilitation, Replacement & Upgrade Projects (SAM)			19,795	-	-	19,795	350	-	8,550	10,895	10,895	-

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<u>Projects Coordinated with Roads Program (SAM)</u>												
7, 8	5140971301	Upper James - Stone Church to Rymal	1,650	-	-	1,650	-	-	-	1,650	1,650	
4	5141171301	Bilardi / Embury / Osborne / Talbot	720	-	-	720	-	-	-	720	720	
4	5141171301	Brunswick / Waverly / Vansitmart / Walmer	640	-	-	640	-	-	-	640	640	
4	5141171301	Burlington - Birch to Parkdale Ave & Industrial Dr	2,150	-	-	2,150	-	-	-	2,150	2,150	
3	5141171301	Cannon - Sherman to Wentworth	100	-	-	100	-	-	-	100	100	
7	5141171301	Crockett Street - Upper Wentworth to Upper Sherman	240	-	-	240	-	-	-	240	240	
2	5141171301	King William / Hughson / Rebecca	430	-	-	430	-	-	-	430	430	
2, 3	5141171301	Wellington/Victoria - Barton to Burlington & Birge / Sawyer	1,350	-	-	1,350	-	-	-	1,350	1,350	
Sub-Total Projects Coordinated with Roads Program (SAM)			7,280	-	-	7,280	-	-	-	7,280	7,280	-
<u>SERG Projects</u>												
4	5141171310	SERG - Barton Street / Ottawa Street	1,300	-	-	1,300	-	-	-	1,300	1,300	
4	5141171310	SERG - Park Row, Province, Graham Ave, Houghton, Wexford and Huxley Avenues, Main to Roxborough	1,050	-	-	1,050	-	-	-	1,050	1,050	
Sub-Total SERG Projects			2,350	-	-	2,350	-	-	-	2,350	2,350	-
<u>Treatment Plant\Outstation Projects (SAM)</u>												
City Wide	5141166110	Water Treatment Plant - Process Upgrades	4,000	-	-	4,000	-	-	-	4,000	4,000	
City Wide	5141166711	Annual Water Treatment Studies	200	-	-	200	-	-	200	-	-	
City Wide	5141166713	Annual Water Maintenance Capital	1,200	-	-	1,200	-	-	500	700	700	
14	5141167150	Greenville Communal Well - New Well	1,260	-	-	1,260	-	-	1,260	-	-	
City Wide	5141167751	Annual Water Outstations - Asset Management	13,000	-	-	13,000	-	-	13,000	-	-	
Sub-Total Treatment Plant\Outstation Projects (SAM)			19,660	-	-	19,660	-	-	14,960	4,700	4,700	-
<u>Treatment Plant\Outstation Projects (WQI)</u>												
City Wide	5141166150	GAC Replacement	2,000	-	-	2,000	-	-	-	2,000	2,000	
City Wide	5141169075	Annual City Environmental Lab Improvements	390	-	-	390	-	-	-	390	390	
15	5140667650	Carlisle Communal Well System Upgrades	1,300	-	-	1,300	-	-	-	1,300	1,300	
Sub-Total Treatment Plant\Outstation Projects (WQI)			3,690	-	-	3,690	-	-	-	3,690	3,690	-

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<u>Treatment Plant/Outstation Projects (WINS)</u>												
City Wide	5141166151	SCADA Master Plan Implementation	5,000	-	-	5,000	-	-	5,000	-	-	-
Sub-Total Treatment Plant/Outstation Projects (WINS)			5,000	-	-	5,000	-	-	5,000	-	-	-
<u>Master Plans</u>												
13	5141095058	Lynden Ave Pumping Station (HD012) Capacity Upgrade & Standby Power Installation (W-16)	2,140	-	-	2,140	2,140	-	-	-	-	-
City Wide	5141155010	Annual Water Systems Planning	1,000	-	-	1,000	-	-	-	1,000	1,000	-
6, 9, 11	5141195151	HD007 Highland Reservoir and PS (W-10, W-11)	1,850	-	-	1,850	1,850	-	-	-	-	-
15	5141195152	Carlisle Elevated Storage & Additional Well	500	-	-	500	500	-	-	-	-	-
13	5141196152	PD11 (Governor's Road) Watermain Extension (W-05)	30	-	-	30	30	-	-	-	-	-
13	5141196153	PD22 (Governor's Road) Watermain Extension (W-06)	80	-	-	80	80	-	-	-	-	-
Sub-Total Master Plans			5,600	-	-	5,600	4,600	-	-	1,000	1,000	-
<u>Development/Extension Projects</u>												
11	5141180111	Arvin Ave - Jones to existing West end	370	-	-	370	350	-	-	20	20	-
9	5141180195	Green Mountain - First Rd W to Upper Centennial (SCU W-09)	760	-	-	760	300	-	-	460	460	-
13	5141195153	PS HD12A (Governors @ Huntingwood) Capacity Upgrade & Standby Power Installation (W-04)	350	-	-	350	350	-	-	-	-	-
City Wide	5141196011	Annual Intensification Infrastructure Upgrades - Water	400	-	-	400	200	-	-	200	200	-
Sub-Total Development/Extension Projects			1,880	-	-	1,880	1,200	-	-	680	680	-
Total All Projects			65,255	-	-	65,255	6,150	-	28,510	30,595	30,595	-