

**City of Hamilton**  
**Water System**  
**2022 Capital Budget Project List**  
**(\$)**

Project Type	Project ID	Project Title	Gross Costs	Grants and Subsidies	Other External Revenue	Development Charge	Reserves	WIP	Net Cost	Financing Sources	
										From Operating	External Debt
Coordinated - Network Extension	5142171328	Southcote - Garner to Highway 403 Bridge	3,040,000			1,520,000			1,520,000	-	1,520,000
	5142280280	First Road West Watermain - Bedrock to Glover Mountain	830,000		498,000	332,000			-		
	5142280281	Dickenson Road West Watermain - Garth Street Extension to 870m easterly	510,000			510,000			-		
<b>Coordinated - Network Extension Total</b>			<b>4,380,000</b>		<b>498,000</b>	<b>2,362,000</b>			<b>1,520,000</b>	<b>-</b>	<b>1,520,000</b>
Coordinated - Other	5142160501	Watermain Rehabilitation/Replacement Coordinated with Development	1,000,000						1,000,000	1,000,000	
	5142299999	Rates Projects Included in Tax Budget - NOT TO BE SET UP IN PEOPLESOFT	2,320,000						2,320,000	2,320,000	
<b>Coordinated - Other Total</b>			<b>3,320,000</b>						<b>3,320,000</b>	<b>3,320,000</b>	
Coordinated - Replacement	5142171303	Marion - Longwood to Dromore	440,000						440,000	440,000	
	5142271305	Glenmorris / Underhill / Sleepy Hollow / Wilmar (York Heights / Hunter NBHD)	1,000,000						1,000,000		1,000,000
	5142271312	Strathearne - Main to Britannia	900,000						900,000		900,000
	5142271306	Kelvin - Old Orchard to south end	100,000						100,000	100,000	
	5142271308	Concession / Mountain Brow - Upper Gage to Oakcrest	2,200,000						2,200,000		2,200,000
	5142271296	Governor's - Main to Ogilvie (Bridge 296)	400,000						400,000	400,000	
	5142271022	Burlington - James to Ferguson	1,200,000						1,200,000		1,200,000
	5142271214	Fairfield - Barton to Britannia	500,000						500,000		500,000
5142271325	CCBF - Corktown Neighbourhood	400,000					400,000	-			
<b>Coordinated - Replacement Total</b>			<b>7,140,000</b>					<b>400,000</b>	<b>6,740,000</b>	<b>940,000</b>	<b>5,800,000</b>
Coordinated Replacement (50/50)	5142170000	Rates Share of Road Reconstruction - NOT TO BE SET UP IN PEOPLESOFT	4,130,000						4,130,000	4,130,000	
<b>Coordinated Replacement (50/50) Total</b>			<b>4,130,000</b>						<b>4,130,000</b>	<b>4,130,000</b>	
Demolition / Disposal	5142067420	St. Joseph's Tank Pulsation Dampener (HD002STK)	440,000						440,000	440,000	
<b>Demolition / Disposal Total</b>			<b>440,000</b>						<b>440,000</b>	<b>440,000</b>	
Enhancement	5142166608	Lynden Water System - Phase 2 Treatment	110,000						110,000	110,000	
<b>Enhancement Total</b>			<b>110,000</b>						<b>110,000</b>	<b>110,000</b>	
Expansion / Extension	5141996951	Binbrook Feedermain via Fletcher (W-30)	2,530,000			2,530,000			-		
	5142260280	Upper Centennial Watermain Extension	500,000						500,000		500,000
<b>Expansion / Extension Total</b>			<b>3,030,000</b>			<b>2,530,000</b>			<b>500,000</b>		<b>500,000</b>
Feasibility Plans / EA's/ Studies	5141855777	Water infrastructure Analysis - Growth and Economic Opportunities	330,000						330,000	330,000	
	5142096520	Garner Road Trunk Watermain - Southcote to Wilson (W-09)	13,550,000			13,550,000			-		
	5142155010	Water Systems Planning Program	600,000						600,000	600,000	
	5142155022	Engineering Consultant Watermain Projects	400,000						400,000	400,000	
	5142155247	Alterations to the Drinking Water System	150,000						150,000	150,000	
	5142155556	Mapping Update Program	40,000						40,000	40,000	
	5142157545	Water - Computer Model	150,000						150,000	150,000	
	5142257000	Vertical Asset Management Program	280,000						280,000	280,000	
	5142255264	City-Wide Water Master Plan	280,000			280,000			-		
	5142255280	Airport Employment Growth District (AEGD) Water, Wastewater and Stormwater Master Plan Update	700,000			700,000			-		
	5142251112	Inventory Bar Coding System, Equipment & Consulting	200,000						200,000	200,000	
	5142257800	Water Facility Asset Management Implementation Plan	100,000						100,000	100,000	
	5142255851	Water Efficiency Plan/Program	115,000						115,000	115,000	
5142267510	Water System Studies & Continual Improvement Initiatives	1,100,000						1,100,000	1,100,000		
<b>Feasibility Plans / EA's/ Studies Total</b>			<b>17,995,000</b>			<b>14,530,000</b>			<b>3,465,000</b>	<b>3,465,000</b>	
Licenses	5142162073	Field Data Systems Program	210,000					100,000	110,000	110,000	
<b>Licenses Total</b>			<b>210,000</b>					<b>100,000</b>	<b>110,000</b>	<b>110,000</b>	

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New	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	5,500,000			5,500,000			-		
	5141767650	New Greensville Communal Well	150,000						150,000	-	150,000
	5141895852	Carlisle Water Supply System - Additional Water Storage (CASH FLOWED)	900,000						900,000	-	900,000
	5142161502	Water Meter - Installation/Replacement/Repair - General Maintenance	4,270,000					640,000	3,630,000	3,630,000	
	5142151110	Fleet Additions	1,162,000					1,162,000	-	-	
	5142167840	PD9 & PD10 East Stoney Creek Booster Pumping Station	550,000						550,000	-	550,000
	5142467224	New PD2 Water Pumping Station (CASH FLOWED)	2,650,000						2,650,000		2,650,000
<b>New Total</b>			<b>15,182,000</b>			<b>5,500,000</b>	<b>640,000</b>	<b>1,162,000</b>	<b>7,880,000</b>	<b>3,630,000</b>	<b>4,250,000</b>
Rehabilitation / Renovation	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2 (CASH FLOWED)	2,470,000						2,470,000	-	2,470,000
	5141760754	Kenilworth Transmission Watermain Renewal	600,000						600,000	600,000	
	5141761777	Beach Trunkmain Rehab	1,500,000						1,500,000	1,500,000	
	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	550,000			412,500			137,500	137,500	-
	5141867651	HD007 Highland Rd Reservoir Upgrades	170,000						170,000	170,000	
	5141967375	HDR01 Kenilworth and HDR1C Ben Nevis Reservoir Upgrades	330,000						330,000	330,000	
	5142067450	Lee Smith Reservoir (HDR00) Upgrades	170,000						170,000	170,000	
	5142111101	Road Cut Restoration Program	7,965,000					5,400,000	2,565,000	-	-
	5142157626	Critical Watermain Inspection Program	731,000						131,000	600,000	600,000
	5142160072	Watermain Structural Lining	5,300,000					5,300,000	-	-	-
	5142166713	Water Maintenance Capital Program	1,000,000						1,000,000	1,000,000	
	5142169075	City Environmental Lab Improvements Program	340,000						340,000	340,000	
	5142166110	Water Treatment Plant - Process Upgrades Phase 2 (CASH FLOWED)	1,378,000			627,000			751,000	11,000	740,000
	5142167420	HDR18 Glancaster Reservoir Ugrades	440,000						440,000	-	440,000
	5142167421	HDR11 Woodley Lane Reservoir Upgrades	170,000						170,000	170,000	
	5142261741	Resetting or Adjusting of Water Utility Structures	250,000						250,000	250,000	
	5142261240	Woodward Treatment Plant Filter Building - Flume Watermain Lining	2,000,000						2,000,000	2,000,000	
	5142267585	Diesel Fuel Storage Compliance Upgrades	500,000						500,000	500,000	
	5141966420	Woodward WTP Chlorine Chemical Building	1,380,000						1,380,000		1,380,000
	5142266712	Water Maintenance - Rebuild, Replacement and New Capital	400,000						400,000	400,000	
5142266220	Water Treatment Plant - Clearwells Concrete Restoration Upgrades	600,000						600,000	600,000		
5142266320	Woodward Water Treatment Plant - Low Lift Pumping Station Intake Repairs	830,000						830,000	830,000		
<b>Rehabilitation / Renovation Total</b>			<b>29,074,000</b>			<b>1,039,500</b>	<b>10,700,000</b>	<b>2,696,000</b>	<b>14,638,500</b>	<b>9,608,500</b>	<b>5,030,000</b>
Replacement	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	140,000						140,000	140,000	
	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade & Standby Power Installation (W-04)	220,000			165,000			55,000	55,000	
	5141966151	SCADA Maintenance Program	150,000						150,000	150,000	
	5142066310	WTP Pre-Treatment Isolation Valves	550,000						550,000	550,000	
	5142149555	QA-QC Service Contract Program	290,000					140,000	150,000	150,000	
	5142160080	Valve Replacement Program	3,780,000					1,170,000	2,610,000	2,610,000	
	5142160577	Metallic Watermain Condition Assessment Program	815,000					185,000	630,000	630,000	
	5142160711	PW Capital Water Consumption Program	250,000						250,000	250,000	
	5142160750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	2,850,000					1,300,000	1,550,000	1,550,000	
	5142162078	Substandard Water Service Replacement Program	2,350,000						2,350,000	2,350,000	
	5142271318	Eastmount Neighbourhood - Water	210,000					50,000	160,000	160,000	
	5142260081	Large Valve Replacement - Nash	2,000,000		2,000,000				-	-	
5142260082	Large Valve Replacement - Longwood and Glenside	1,000,000		1,000,000				-	-		
<b>Replacement Total</b>			<b>14,605,000</b>	<b>3,000,000</b>		<b>165,000</b>	<b>1,300,000</b>	<b>1,545,000</b>	<b>8,595,000</b>	<b>8,595,000</b>	

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Safety/ Security	5142266871	Hamilton Water Capital Security Plan	1,030,000						1,030,000	1,030,000	
	5142266351	Woodward SCADA OT (Operating Technology) Security Program	125,000						125,000	125,000	
Safety/ Security Total			1,155,000						1,155,000	1,155,000	
Staffing Costs	5142101099	Engineering Services Staffing Costs - Water	4,500,000					464,000	4,036,000	4,036,000	
Staffing Costs Total			4,500,000					464,000	4,036,000	4,036,000	
Grand Total			105,271,000	3,000,000	498,000	26,126,500	12,640,000	6,367,000	56,639,500	39,539,500	17,100,000