

**CITY OF HAMILTON
WASTEWATER SYSTEM
2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
Coordinated - Network Extension	5162180187	Garner Road Trunk Sanitary Sewer - Hwy 6 w/o Raymond - CASH FLOW	8,000,000	-	10,000,000	-	-	-	-	-	-	-	-	-	18,000,000	-	2021	2024
	5162680591	Book - Southcote to Smith (AEGD)	-	-	-	-	-	-	710,000	-	-	-	-	-	710,000	-	2026	2026
	5162680680	Jones Sanitary Sewer - 350m south of Barton to 200m south	-	-	-	-	-	-	290,000	29,000	-	-	-	-	290,000	29,000	2026	2026
Coordinated - Network Extension Total			8,000,000	-	10,000,000	-	-	-	1,000,000	29,000	-	-	-	-	19,000,000	29,000		
Coordinated - Rehabilitation	5162671228	Rennie - Woodward to East End	-	-	-	-	-	-	130,000	130,000	-	-	-	-	130,000	130,000	2026	2026
Coordinated - Rehabilitation Total			-	-	-	-	-	-	130,000	130,000	-	-	-	-	130,000	130,000		
Coordinated - Replacement	5162272205	Glenmorris / Underhill / Sleepy Hollow / Wilmar (York Heights / Hunter NBHD)	150,000	(1,100,000)	-	-	1,100,000	1,100,000	-	-	-	-	-	-	1,250,000	-	2022	2025
	5162371015	Sewer Lateral Replacement for Co-ordinated Projects	654,000	500,000	750,000	-	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,904,000	5,000,000	2023	2048
	5162471307	Duke - Hess to west end & Robinson - Queen to west end	-	-	30,000	30,000	270,000	270,000	-	-	-	-	-	-	300,000	300,000	2023	2025
	5162471325	CCBF - Corktown Neighbourhood - Phase 2	-	-	100,000	100,000	-	-	-	-	-	-	-	-	100,000	100,000	2024	2024
	5162571202	Hughson - Simcoe to Brock & Wood - James to Hughson	-	-	-	-	400,000	400,000	-	-	-	-	-	-	400,000	400,000	2025	2025
	5162571305	Upper James - Mohawk to Fennell	-	-	-	-	330,000	330,000	-	-	-	-	-	-	330,000	330,000	2025	2025
	5162571308	Scenic - Chateau to Upper Paradise	-	-	-	-	100,000	100,000	1,350,000	1,350,000	-	-	-	-	1,450,000	1,450,000	2024	2026
	5162571322	Barton - Sherman to Ottawa	-	-	-	-	850,000	850,000	-	-	-	-	-	-	850,000	850,000	2025	2025
	5162671114	Pinelands / Teal / Garden / Community / Greensfield	-	-	-	-	-	-	130,000	130,000	-	-	-	-	130,000	130,000	2026	2026
	5162671201	Simcoe - James to Wellington & Hughson - Strachan to Simcoe	-	-	-	-	-	-	400,000	400,000	-	-	-	-	400,000	400,000	2026	2026
	5162671302	Arvin - Dosco to Jones	-	-	-	-	-	-	250,000	250,000	-	-	-	-	250,000	250,000	2025	2026
	5162671314	Brampton - Parkdale to Woodward & Brighton - Brampton to Morley	-	-	-	-	-	-	120,000	120,000	-	-	-	-	120,000	120,000	2026	2026
	5162771305	Dundurn - CPR bridge (s/o Main St) to King	-	-	-	-	-	-	-	-	145,000	145,000	-	-	145,000	145,000	2027	2027
	5162772214	Westdale North Neighbourhood Phase 1	-	-	-	-	-	-	-	-	1,590,000	1,590,000	-	-	1,590,000	1,590,000	2027	2027
	5162871115	Westdale North Neighbourhood Phase 2	-	-	-	-	-	-	-	-	-	-	750,000	750,000	750,000	750,000	2028	2028
	5162871118	Charlton - Ferguson to Sherman Access	-	-	-	-	-	-	-	-	-	-	120,000	120,000	120,000	120,000	2028	2028
	5162871208	Burlington & Industrial - Ottawa to Kenilworth	-	-	-	-	-	-	-	-	-	-	760,000	760,000	760,000	760,000	2028	2028
	5162871311	Oak/Emerald/East Ave - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	440,000	440,000	440,000	440,000	2028	2028
	5162971020	Sanford - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	20,000	20,000	20,000	20,000	2029	2029
	5162971026	Brucevale - Upper Gage to Upper Ottawa	-	-	-	-	-	-	-	-	-	-	170,000	170,000	170,000	170,000	2029	2029
	5162971106	Wentworth - Barton to Burlington	-	-	-	-	-	-	-	-	250,000	250,000	-	-	250,000	250,000	2027	2027
	5162971113	Westdale North Neighbourhood Phase 3	-	-	-	-	-	-	-	-	-	-	750,000	750,000	750,000	750,000	2029	2029
	5162971117	Green - Carla to Barton	-	-	-	-	-	-	-	-	-	-	100,000	100,000	100,000	100,000	2029	2029
	5162971304	Ferguson/Foster/Walnut/Patrick/Charlton/James	-	-	-	-	-	-	-	-	-	-	1,500,000	1,500,000	1,500,000	1,500,000	2024	2031
	5162971311	Oxford / Tecumseh (Strathcona Neighbourhood)	-	-	-	-	-	-	-	-	-	-	420,000	420,000	420,000	420,000	2029	2029
	5163071308	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmure	-	-	-	-	-	-	-	-	-	-	80,000	80,000	80,000	80,000	2030	2030
Coordinated - Replacement Total			804,000	(600,000)	880,000	130,000	3,550,000	3,550,000	2,750,000	2,750,000	2,485,000	2,485,000	8,110,000	8,110,000	18,579,000	16,425,000		
Coordinated - Upgrade	5162071315	Main - Queenston Traffic Circle to Delena & Rosewood (LRT Enabling)	400,000	400,000	85,000	85,000	-	-	-	-	-	-	-	-	485,000	485,000	2020	2024
Coordinated - Upgrade Total			400,000	400,000	85,000	85,000	-	-	-	-	-	-	-	-	485,000	485,000		
Demolition / Disposal	5161767772	Decommissioning Aberdeen Sewage Pumping Station	60,000	60,000	-	-	-	-	140,000	140,000	1,440,000	1,440,000	-	-	1,640,000	1,640,000	2019	2027
	5162868851	Pier 25 Dredging - Windermere Basin	-	-	-	-	-	-	-	-	200,000	200,000	13,550,000	13,550,000	13,750,000	13,750,000	2027	2029
	5163066511	Woodward WWTP - Digester Cleanout & Maintenance Program	-	-	-	-	-	-	-	-	-	-	4,500,000	4,500,000	4,500,000	4,500,000	2030	2037
Demolition / Disposal Total			60,000	60,000	-	-	-	-	140,000	140,000	1,640,000	1,640,000	18,050,000	18,050,000	19,890,000	19,890,000		
Enhancement	5162241350	Pilot solar power installation at a Class B Hamilton Water facility	750,000	750,000	400,000	400,000	-	-	-	-	-	-	-	-	1,150,000	1,150,000	2022	2025
	5162268757	Lower Chedoke Combined EA Study	1,930,000	-	-	-	1,100,000	-	2,100,000	-	2,100,000	-	-	-	7,230,000	-	2022	2027
	5162268767	Chedoke Watershed Stormwater Retrofit EA Study	1,380,000	-	-	-	3,150,000	-	3,150,000	-	3,150,000	-	1,150,000	-	11,980,000	-	2022	2028
	5162360303	Rosemary/Wentworth Regulator Gate (HCG03)	100,000	100,000	200,000	200,000	-	-	-	-	-	-	-	-	300,000	300,000	2023	2024
	5162362315	Eastport Sanitary Pumping Station Upgrades - Linear	-	-	-	-	910,000	910,000	-	-	2,690,000	2,690,000	2,770,000	2,770,000	6,370,000	6,370,000	2024	2028
	5162467374	HC058 Binbrook SPS Odour Control	-	-	350,000	350,000	-	-	-	-	-	-	-	-	350,000	350,000	2024	2024
Enhancement Total			4,160,000	850,000	950,000	950,000	5,160,000	910,000	5,250,000	-	7,940,000	2,690,000	3,920,000	2,770,000	27,380,000	8,170,000		
Expansion / Extension	5161966102	Woodward WWTP - Expansion (CASH FLOWED)	20,058,000	-	7,570,000	2,043,900	7,570,000	2,043,900	57,920,000	15,638,400	108,730,000	29,357,100	275,380,000	74,352,600	477,228,000	123,435,900	2019	2030
	5162396011	Intensification Infrastructure Upgrades Program - Wastewater	400,000	200,000	-	-	400,000	200,000	-	-	400,000	200,000	1,200,000	600,000	2,400,000	1,200,000	2023	2047
	5162467373	HC005 Old Dundas Rd SPS Capacity Expansion	-	-	200,000	200,000	550,000	550,000	3,050,000	3,050,000	2,550,000	2,550,000	-	-	6,350,000	6,350,000	2024	2027
	5162480480	Millen Road Sanitary Sewer QEW crossing	-	-	2,000,000	-	-	-	-	-	-	-	-	-	2,000,000	-	2023	2025
	5162696475	Flooding & Drainage Master Plan Capital Forecast	-	-	-	-	-	-	-	-	9,310,000	9,310,000	19,470,000	19,470,000	28,780,000	28,780,000	2027	2029
Expansion / Extension Total			20,458,000	200,000	9,770,000	2,243,900	8,520,000	2,793,900	60,970,000	18,688,400	120,990,000	41,417,100	296,050,000	94,422,600	516,758,000	159,765,900		
Feasibility Plans / EA's / Studies	5160055470	Capital Infrastructure Inspection & Condition Assessment Program – Linear Wastewater & Storm	-	-	2,500,000	11,000	3,000,000	3,000,000	6,000,000	6,000,000	6,000,000	6,000,000	36,000,000	36,000,000	53,500,000	51,011,000	2024	2048
	5161555264	City-Wide Wastewater Master Plan	1,230,000	590,000	-	-	-	-	-	-	-	-	700,000	700,000	1,930,000	1,290,000	2015	2028
	5161695747	Battlefield Trunk Sewer Twinning (WW-33) (CASH FLOWED)	22,650,000	-	-	-	-	-	15,000,000	-	15,000,000	-	30,000,000	-	82,650,000	-	2016	2029
	5162055050	Municipal Class EA Studies	400,000	400,000	200,000	200,000	-	-	-	-	-	-	-	-	600,000	600,000	2020	2024
	5162055800	Sewer Outfall Monitoring Study	1,150,000	1,150,000	-	-	1,100,000	1,100,000	-	-	-	-	-	-	2,250,000	2,250,000	2020	2025

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2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5162095800	Flooding & Drainage Master Plan Capital Improvements	1,940,000	1,940,000	-	-	520,000	34,000	210,000	210,000	-	-	-	-	2,670,000	2,184,000	2020	2026
	5162168777	Chedoke Creek Water Quality Improvements (CASH FLOWED)	11,350,000	1,050,000	1,100,000	-	-	-	-	-	-	-	-	-	12,450,000	1,050,000	2021	2024
	5162255242	Combined Sewer Outfall Monitoring Study	800,000	671,470	40,000	40,000	-	-	-	-	-	-	-	-	840,000	711,470	2022	2024
	5162257800	Wastewater Facility Asset Management Implementation Plan	380,000	380,000	110,000	110,000	-	-	-	-	-	-	-	-	490,000	490,000	2022	2024
	5162262305	Ainslie Wood Sewer Improvements	330,000	330,000	550,000	550,000	550,000	550,000	1,100,000	1,100,000	-	-	-	-	2,530,000	2,530,000	2022	2026
	5162349555	QA-QC Service Contract Program	150,000	150,000	345,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,295,000	2,150,000	2023	2048
	5162355010	Wastewater Systems Planning	710,000	710,000	730,000	730,000	750,000	750,000	770,000	770,000	800,000	800,000	4,890,000	4,890,000	8,650,000	8,650,000	2023	2046
	5162355022	Engineering Consultant Sewermain Projects	500,000	500,000	-	-	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,000,000	5,000,000	2023	2048
	5162355556	Mapping Update Program	20,000	20,000	116,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000	496,000	420,000	2023	2048
	5162355880	Inflow & Infiltration Studies and Flow Monitoring Program	1,310,000	655,000	1,060,000	530,000	460,000	230,000	480,000	240,000	500,000	250,000	3,080,000	1,540,000	6,890,000	3,445,000	2023	2046
	5162357545	Wastewater Computer Model Update & Maintenance	480,000	480,000	500,000	500,000	330,000	330,000	220,000	220,000	230,000	230,000	1,470,000	1,470,000	3,230,000	3,230,000	2023	2046
	5162366711	Wastewater Treatment Studies Program	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	-	-	-	-	600,000	600,000	2023	2026
	5162367752	Wastewater Outstation Inspections - Asset Management Program	1,000,000	1,000,000	620,000	620,000	1,060,000	1,060,000	1,090,000	1,090,000	1,120,000	1,120,000	6,770,000	6,770,000	11,660,000	11,660,000	2023	2046
	5162455789	Plant Maintenance and Reliability Studies	-	-	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	900,000	1,500,000	1,500,000	2024	2048
	5162466575	Greenhouse Gas and Energy Assessment of Hamilton Water Facilities	-	-	400,000	400,000	-	-	-	-	-	-	-	-	400,000	400,000	2024	2024
	5162562543	CSO Characterization Program	360,000	360,000	200,000	200,000	700,000	700,000	220,000	220,000	230,000	230,000	1,300,000	1,300,000	3,010,000	3,010,000	2022	2032
	5163066151	2030 SCADA Master Plan	-	-	-	-	-	-	-	-	-	-	10,125,000	10,125,000	10,125,000	10,125,000	2029	2034
Feasibility Plans / EA's/ Studies Total			44,910,000	10,536,470	8,771,000	4,431,000	9,510,000	8,794,000	26,130,000	10,890,000	24,770,000	9,520,000	99,675,000	68,135,000	213,766,000	112,306,470		
Licenses	5162362073	Field Data Systems Program	110,000	110,000	200,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,300,000	1,210,000	2023	2048
Licenses Total			110,000	110,000	200,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,300,000	1,210,000		
Network Extension																		
	5162360315	Parkside Drive Fire/EMS Facility Servicing	100,000	100,000	800,000	800,000	-	-	-	-	-	-	-	-	900,000	900,000	2023	2024
	5162360316	Parkside Drive Fire/EMS Facility Servicing Interim	100,000	100,000	1,000,000	1,000,000	-	-	-	-	-	-	-	-	1,100,000	1,100,000	2023	2024
	5162480481	Barton St Sanitary Sewer - 200m east of McNeilly to Lewis	-	-	869,000	-	-	-	-	-	-	-	-	-	869,000	-	2024	2024
	5162480482	Barton St Sanitary Sewer - Lewis to 350m east of Lewis	-	-	507,000	50,700	-	-	-	-	-	-	-	-	507,000	50,700	2024	2024
	5162480483	Barton St Sanitary Sewer - McNeilly Rd to 200m east of McNeilly Rd	-	-	270,000	-	-	-	-	-	-	-	-	-	270,000	-	2024	2024
	5162580581	Glover Road Sanitary Sewer - Hwy 8 to 900m north, past Watercourse 7	-	-	-	-	724,000	72,400	-	-	-	-	-	-	724,000	72,400	2024	2025
	5162580582	South Service Rd Sanitary Sewer - 50m east of Fifty Rd to 500m east.	-	-	-	-	362,000	-	-	-	-	-	-	-	362,000	-	2025	2025
	5162580583	Glancaster Rd Sanitary Sewer - Book Rd to Dickenson Rd	-	-	-	-	270,000	-	-	-	-	-	-	-	270,000	-	2025	2025
	5162680684	Garth St Extension (Arital Road 1N) Sanitary Sewer - Smith Rd to Dickenson Rd	-	-	-	-	-	-	331,000	301,210	-	-	-	-	331,000	301,210	2026	2026
	5162680685	Barton St Sanitary Sewer - 350m east of Fruitland Rd to 200m east	-	-	-	-	-	-	319,000	31,900	-	-	-	-	319,000	31,900	2026	2026
	5162680688	Barton St Sanitary Sewer - Jones Rd to 470m east toward Glover Rd	-	-	-	-	-	-	680,000	-	-	-	-	-	680,000	-	2026	2026
Network Extension Total			200,000	200,000	3,446,000	1,850,700	1,356,000	72,400	1,330,000	333,110	-	-	-	-	6,332,000	2,456,210		
New																		
	5161667421	New Haulage Receiving Station	2,950,000	2,950,000	1,070,000	1,070,000	150,000	150,000	150,000	150,000	6,670,000	6,670,000	6,870,000	6,870,000	17,860,000	17,860,000	2016	2028
	5162441226	New Water and Wastewater Operations Facilities (CASH FLOWED)	437,500	437,500	375,000	375,000	1,562,500	1,562,500	1,562,500	1,562,500	5,062,500	5,062,500	5,062,500	5,062,500	14,062,500	14,062,500	2023	2028
New Total			3,387,500	3,387,500	1,445,000	1,445,000	1,712,500	1,712,500	1,712,500	1,712,500	11,732,500	11,732,500	11,932,500	11,932,500	31,922,500	31,922,500		
Rehabilitation / Renovation																		
	5160060471	Capital Infrastructure Renewal Program – Linear Wastewater & Storm	-	-	7,250,000	4,600,000	7,250,000	7,250,000	7,250,000	7,250,000	7,250,000	7,250,000	43,500,000	43,500,000	72,500,000	69,850,000	2024	2048
	5160966910	Woodward WWTP - Biosolids Management Facility	46,810,000	8,227,940	2,770,000	2,243,700	2,770,000	2,243,700	2,770,000	2,243,700	2,770,000	2,243,700	16,620,000	13,462,200	74,510,000	30,664,940	2009	2046
	5161266213	Dundas WWTP Improvements (CASH FLOWED)	4,560,200	4,560,200	1,150,000	1,150,000	1,650,000	1,650,000	2,150,000	2,150,000	26,750,000	26,750,000	105,750,000	105,750,000	142,010,200	142,010,200	2011	2032
	5161267273	Dundas Wastewater Outstations Upgrades	6,340,000	6,340,000	-	-	1,650,000	1,650,000	-	-	-	-	-	-	7,990,000	7,990,000	2011	2025
	5161467756	Greenhill & Cochrane HCS01 Combined Sewer Overflow Tank Cleaning & Upgrades (CASH FLOWED)	5,070,000	5,070,000	350,000	350,000	1,200,000	1,200,000	-	-	-	-	-	-	6,620,000	6,620,000	2014	2025
	5161667622	FC001, DC009 & HC011 Wastewater Pumping Stations Upgrades	7,500,000	6,847,500	200,000	100,000	-	-	-	-	-	-	-	-	7,700,000	6,947,500	2016	2024
	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades	1,480,000	1,480,000	-	-	-	-	4,600,000	4,600,000	4,600,000	4,600,000	44,300,000	44,300,000	54,980,000	54,980,000	2016	2030
	5161966511	Woodward WWTP - Digester 3 & 5 (CASH FLOWED)	15,680,000	15,680,000	1,850,000	1,850,000	150,000	150,000	-	-	-	-	-	-	17,680,000	17,680,000	2019	2025
	5162066813	Dundas WWTP - Health & Safety Immediate Needs	2,400,000	2,400,000	5,150,000	5,150,000	-	-	-	-	-	-	-	-	7,550,000	7,550,000	2020	2024
	5162067065	Eastport Drive SPS (HC017) Interim Upgrades	870,000	870,000	-	-	2,150,000	2,150,000	-	-	-	-	-	-	3,020,000	3,020,000	2020	2025
	5162067420	Main & King CSO Rehabilitation	1,599,000	1,599,000	500,000	500,000	-	-	-	-	-	-	-	-	2,099,000	2,099,000	2020	2024
	5162167420	DC007 McMaster Sewage Pumping Station Upgrades	1,540,000	1,540,000	250,000	250,000	2,750,000	2,750,000	2,750,000	2,750,000	-	-	-	-	7,290,000	7,290,000	2021	2026
	5162262250	Eastern Sewer Interceptor (ESI) - South Service - Fruitland to Green	1,000,000	982,415	-	-	-	-	8,000,000	8,000,000	-	-	-	-	9,000,000	8,982,415	2022	2026
	5162266911	Woodward WWTP - North Digester Complex Rehabilitation (CASH FLOW)	5,050,000	5,050,000	1,600,000	1,600,000	20,750,000	20,750,000	20,750,000	20,750,000	-	-	-	-	48,150,000	48,150,000	2022	2026
	5162267375	Beach Boulevard (HC051) Wastewater Pump Station Upgrades	2,740,000	740,000	-	-	-	-	770,000	770,000	770,000	770,000	19,300,000	19,300,000	23,580,000	21,580,000	2022	2029
	5162267585	Diesel Fuel Storage Compliance Upgrades	1,100,000	1,100,000	3,300,000	3,300,000	-	-	-	-	-	-	-	-	4,400,000	4,400,000	2022	2024
	5162311101	Road Cut Restoration Program	1,800,000	1,800,000	2,300,000	691,000	2,300,000	2,300,000	2,300,000	2,300,000	2,300,000	2,300,000	13,800,000	13,800,000	24,800,000	23,191,000	2023	2048

**CITY OF HAMILTON
WASTEWATER SYSTEM
2024 - 2033 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2024		2024		2025		2026		2027		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year
	5162360302	Cross Connections Program	-	-	400,000	400,000	400,000	400,000	350,000	350,000	100,000	100,000	600,000	600,000	1,850,000	1,850,000	2023	2048
	5162360522	Sewer Lateral Management Program (WWC)	1,000,000	1,000,000	5,340,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	21,000,000	21,000,000	37,840,000	36,000,000	2023	2047
	5162360942	Ancaster Sewage Works Sewer & Pipe Bridge Rehabilitation - Hwy 403 to Bluebell	300,000	-	500,000	500,000	-	-	-	-	4,000,000	4,000,000	-	-	4,800,000	4,500,000	2023	2027
	5162361741	Resetting or Adjusting of Wastewater Utility Structures	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,750,000	2,750,000	2023	2047
	5162366223	Dundas WWTP Immediate Needs	1,400,000	1,400,000	-	-	3,950,000	3,950,000	-	-	-	-	-	-	5,350,000	5,350,000	2023	2025
	5162366420	Woodward WWTP - Primary Clarifiers (Galleries 1-8)	2,240,000	2,240,000	14,650,000	14,650,000	14,650,000	14,650,000	-	-	-	-	-	-	31,540,000	31,540,000	2022	2026
	5162366712	Wastewater Maintenance - Rebuild, Replacement and New Capital	300,000	300,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,000,000	6,000,000	10,300,000	10,300,000	2023	2048
	5162366713	Wastewater Capital Maintenance Program	3,000,000	3,000,000	4,000,000	3,350,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	25,000,000	24,350,000	2023	2046
	5162367425	Beach Boulevard (HC031) Wastewater Pumping Station Upgrades	830,000	830,000	660,000	660,000	660,000	660,000	7,850,000	7,850,000	7,350,000	7,350,000	-	-	17,350,000	17,350,000	2023	2027
	5162369075	City Environmental Lab Improvements Program	-	-	-	-	80,000	80,000	105,000	105,000	1,100,000	1,100,000	1,415,000	1,415,000	2,700,000	2,700,000	2024	2047
	5162460051	Satellite City - Phase 2	-	-	2,000,000	2,000,000	-	-	-	-	-	-	-	-	2,000,000	2,000,000	2024	2024
	5162460372	Large Sewer Lining - Blanshard St: Locke St to Poulette St	-	-	500,000	500,000	2,500,000	2,500,000	-	-	-	-	-	-	3,000,000	3,000,000	2023	2025
	5162460572	Large Sewer Lining : Upper James – Inverness to Claremont	-	-	180,000	180,000	3,000,000	3,000,000	-	-	-	-	-	-	3,180,000	3,180,000	2024	2025
	5162460592	Strathearne - Barton to Brampton	-	-	200,000	200,000	500,000	500,000	-	-	7,280,000	7,280,000	-	-	7,980,000	7,980,000	2024	2027
	5162461401	Mountain Industrial Trunk Sewer Rehab - Glover to Rymal	-	-	500,000	500,000	7,000,000	7,000,000	-	-	-	-	-	-	7,500,000	7,500,000	2024	2025
	5162461402	Governor's Rd - Sanitary Trunk Rehabilitation	-	-	1,000,000	1,000,000	-	-	-	-	-	-	-	-	1,000,000	1,000,000	2024	2024
	5162466220	Dundas WWTP Digester Storage Tank Upgrades	-	-	1,000,000	1,000,000	3,900,000	3,900,000	-	-	-	-	-	-	4,900,000	4,900,000	2024	2025
	5162467372	HC007 St Margarets SPS & HC010 Sulphur Springs SPS Upgrades	-	-	-	-	-	-	1,710,000	1,710,000	6,450,000	6,450,000	-	-	8,160,000	8,160,000	2026	2027
	5162467375	Parkdale Wastewater Outstation (HC001) Health & Safety Upgrades	-	-	1,210,000	1,210,000	-	-	-	-	-	-	-	-	1,210,000	1,210,000	2024	2024
	5162467586	HC017 Eastport Underground Diesel Storage Tank	-	-	130,000	130,000	550,000	550,000	-	-	-	-	-	-	680,000	680,000	2024	2025
	5162561420	West 31st 400mm Forcemain Replacement & Rehabilitation	-	-	-	-	3,500,000	3,500,000	-	-	-	-	-	-	3,500,000	3,500,000	2025	2025
	5162567470	DC008 King Street East SPS Upgrades	-	-	-	-	770,000	770,000	2,650,000	2,650,000	-	-	-	-	3,420,000	3,420,000	2025	2026
	5162661601	Large Sewer Lining - Claremont Access to James St 5	-	-	-	-	-	-	500,000	500,000	-	-	6,000,000	6,000,000	6,500,000	6,500,000	2026	2028
	5162667751	Wastewater Outstation Upgrades - Asset Management Program	-	-	-	-	-	-	-	-	9,500,000	9,500,000	57,000,000	57,000,000	66,500,000	66,500,000	2024	2048
Rehabilitation / Renovation Total			114,859,200	73,307,055	60,190,000	52,814,700	90,830,000	90,303,700	71,255,000	70,728,700	86,970,000	86,443,700	348,785,000	345,627,200	772,889,200	719,225,055		
Replacement	5162360711	PW Capital Water Consumption Program	-	-	-	-	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,250,000	2,250,000	2024	2048
	5162360820	Open Cut Repairs for CIPP Program	500,000	500,000	500,000	80,000	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,500,000	5,080,000	2023	2048
	5162361740	Unscheduled Manhole and Sewermain Replacement Program	650,000	650,000	980,000	650,000	650,000	650,000	650,000	650,000	650,000	650,000	3,800,000	3,800,000	7,380,000	7,050,000	2023	2048
	5162366151	SCADA Maintenance Program	275,000	275,000	275,000	275,000	900,000	900,000	275,000	275,000	1,400,000	1,400,000	900,000	900,000	4,025,000	4,025,000	2023	2046
	5162367065	Replacement of the Eastport Sanitary Pumping Station	-	-	400,000	400,000	1,170,000	1,170,000	660,000	660,000	680,000	680,000	13,450,000	13,450,000	16,360,000	16,360,000	2023	2030
	5162371074	Contingency for Unscheduled Works Program	-	-	-	-	100,000	100,000	100,000	100,000	100,000	100,000	600,000	600,000	900,000	900,000	2024	2048
	5162418420	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	-	-	3,500,000	3,200,000	-	-	-	-	-	-	-	-	3,500,000	3,200,000	2024	2028
	5162466121	Woodward WWTP - Dewatering Polymer System Upgrades	-	-	300,000	300,000	1,500,000	1,500,000	-	-	-	-	-	-	1,800,000	1,800,000	2024	2025
	5162466152	SCADA HVAC Maintenance Program	-	-	-	-	-	-	-	-	175,000	175,000	1,050,000	1,050,000	1,225,000	1,225,000	2027	2048
	5162561305	John - Cannon to Barton	-	-	-	-	250,000	250,000	-	-	-	-	-	-	250,000	250,000	2025	2025
	5162596850	Locke - King To York and Margaret - Main To King And King St - Margaret To Locke (W-19)	-	-	-	-	225,000	225,000	-	-	-	-	-	-	225,000	225,000	2024	2025
	5162968920	Fennell/Greenhill Drop Shaft	-	-	-	-	-	-	-	-	-	-	14,850,000	14,850,000	14,850,000	14,850,000	2029	2030
Replacement Total			1,425,000	1,425,000	5,955,000	4,905,000	5,545,000	5,545,000	2,435,000	2,435,000	3,755,000	3,755,000	39,150,000	39,150,000	58,265,000	57,215,000		
Safety/ Security	5162266351	Woodward SCADA Cybersecurity Program	125,000	125,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,125,000	2,125,000	2022	2048
Safety/ Security Total			125,000	125,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,125,000	2,125,000		
Staffing Costs	5162301099	Engineering Services Staffing Costs - Wastewater	4,750,000	4,750,000	4,500,000	3,818,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,750,000	49,068,000	2023	2048
Staffing Costs Total			4,750,000	4,750,000	4,500,000	3,818,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,750,000	49,068,000		
Unspecified Projects			-	-	-	-	-	-	-	-	-	-	253,906,843	253,906,843	253,906,843	253,906,843	2028	2033
Unspecified Projects Total			-	-	-	-	-	-	-	-	-	-	253,906,843	253,906,843	253,906,843	253,906,843		
Grand Total			203,648,700	94,751,025	106,392,000	72,983,300	130,993,500	118,491,500	177,912,500	112,646,710	265,092,500	164,493,300	1,108,439,343	870,964,143	1,992,478,543	1,434,329,978		