CITY OF HAMILTON
WASTEWATER SYSTEM
2023 - 2032 CAPITAL BUDGET LIST ($)

Project Type	Project ID	Title	Pre 2023		2023		2024		2025		2026		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year
Coordinated - Network Extension	5162180584	RHBP - Nebo - Rymal to Twenty	750,000	-	250,000	-	-	-	-	-	-	-	-	-	1,000,000	-	2021	2023
Coordinated - Network Extension Total			750,000	-	250,000	-	-	-	-	-	-	-	-	-	1,000,000	-		
Coordinated - Replacement	5162171025	Dewitt - Highway 8 to Barton	3,201,000	2,020,500	540,000	151,000	-	-	-	-	-	-	-	-	3,741,000	2,171,500	2021	2023
	5162271021	Westdale South Neighbourhood (Central)	30,000	30,000	50,000	50,000	-	-	-	-	-	-	-	-	80,000	80,000	2022	2023
	5162271214	Fairfield - Barton to Britannia	250,000	250,000	60,000	60,000	-	-	-	-	-	-	-	-	310,000	310,000	2022	2023
	5162371015	Sewer Lateral Replacement for Co-ordinated 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	2047
	5162371309	Wilson - Victoria to Sherman	-	-	400,000	-	-	-	-	-	-	-	-	-	400,000	-	2023	2023
	5162371310	Wilson - Wentworth to Sherman	-	-	575,000	215,000	-	-	-	-	-	-	-	-	575,000	215,000	2023	2023
	5162371311	CCBF - Morden - Locke To Pearl	-	-	90,000	90,000	-	-	-	-	-	-	-	-	90,000	90,000	2023	2023
	5162371315	Jones - Dundurn to West End	-	-	300,000	300,000	-	-	-	-	-	-	-	-	300,000	300,000	2023	2023
	5162471202	Hughson - Simcoe to Brock & Wood - James to Hughson	-	-	-	-	400,000	400,000	-	-	-	-	-	-	400,000	400,000	2024	2024
	5162471304	Ferguson/Foster/Walnut/Patrick	-	-	-	-	110,000	110,000	-	-	-	-	-	-	110,000	110,000	2024	2024
	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
	5162471308	Scenic - Chateau Crt to Upper Paradise	-	-	-	-	1,400,000	1,400,000	-	-	-	-	-	-	1,400,000	1,400,000	2024	2024
	5162471314	Pinelands / Teal / Garden / Community / Greensfield	-	-	-	-	130,000	130,000	-	-	-	-	-	-	130,000	130,000	2024	2024
	5162571201	Simcoe - James to Wellington & Hughson - Strachan to Simcoe	-	-	-	-	-	-	400,000	400,000	-	-	-	-	400,000	400,000	2025	2025
	5162571302	Arvin - Dosco to Jones	-	-	-	-	-	-	250,000	250,000	-	-	-	-	250,000	250,000	2025	2025
	5162571305	Upper James - Mohawk to Fennell	-	-	-	-	-	-	330,000	330,000	-	-	-	-	330,000	330,000	2025	2025
	5162571322	Barton - Sherman to Ottawa	-	-	-	-	-	-	850,000	850,000	-	-	-	-	850,000	850,000	2025	2025
	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 - Walnut 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
	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
	5162971114	Charlton - James to Walnut	-	-	-	-	-	-	-	-	-	-	75,000	75,000	75,000	75,000	2029	2029
	5162971117	Green - Carla to Barton	-	-	-	-	-	-	-	-	-	-	100,000	100,000	100,000	100,000	2029	2029
	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			3,481,000	2,300,500	2,515,000	1,366,000	2,570,000	2,570,000	2,600,000	2,600,000	500,000	500,000	8,355,000	8,355,000	20,021,000	17,691,500		
Demolition / Disposal	5161767772	Decommissioning Aberdeen Sewage Pumping Station	10,000	10,000	-	-	-	-	140,000	140,000	1,440,000	1,440,000	-	-	1,590,000	1,590,000	2019	2026
	5163066511	Woodward WWTP - Digester Cleanout & Maintenance Program	-	-	-	-	-	-	-	-	-	-	2,500,000	2,500,000	2,500,000	2,500,000	2030	2037
Demolition / Disposal Total			10,000	10,000	-	-	-	-	140,000	140,000	1,440,000	1,440,000	2,500,000	2,500,000	4,090,000	4,090,000		
Enhancement	5162241350	Pilot solar power installation at a Class B Hamilton Water facility	-	-	600,000	600,000	-	-	-	-	-	-	-	-	600,000	600,000	2022	2025
	5162268757	Lower Chedoke Combined EA Study	30,000	(250,000)	1,650,000	-	1,100,000	-	2,100,000	-	2,100,000	-	-	-	6,980,000	(250,000)	2022	2026
	5162268767	Chedoke Watershed Stormwater Retrofit EA Study	30,000	(250,000)	1,100,000	-	3,150,000	-	3,150,000	-	3,150,000	-	1,150,000	-	11,730,000	(250,000)	2022	2027
	5162362315	Eastport Sanitary Pumping Station Upgrades - Linear	-	-	-	-	910,000	910,000	-	-	-	-	5,460,000	5,460,000	6,370,000	6,370,000	2024	2028
	5162367117	HCG14 Wellington Street North Burlington Street East Regulator Upgrade	-	-	830,000	830,000	-	-	-	-	-	-	-	-	830,000	830,000	2023	2023
	5162367421	CSO Facilities Rehabilitation Project	-	-	4,000,000	1,500,000	-	-	-	-	-	-	-	-	4,000,000	1,500,000	2023	2023
	5162360303	Rosemary/Wentworth Regulator Gate (HCG03)	-	-	100,000	100,000	200,000	200,000	-	-	-	-	-	-	300,000	300,000	2023	2024
Enhancement Total			60,000	(500,000)	8,280,000	3,030,000	5,360,000	1,110,000	5,250,000	-	5,250,000	-	6,610,000	5,460,000	30,810,000	9,100,000		
Expansion / Extension	5161966102	Woodward WWTP - Expansion (CASH FLOWED)	8,000,000	-	10,558,000	-	10,558,000	-	10,558,000	-	103,743,000	-	311,229,000	-	454,646,000	-	2019	2029
	5162696475	Flooding & Drainage Master Plan Capital Forecast	-	-	-	-	-	-	-	-	-	-	28,780,000	28,780,000	28,780,000	28,780,000	2027	2029
	5162396011	Intensification Infrastructure Upgrades Program - Wastewater	-	-	400,000	200,000	-	-	400,000	200,000	-	-	1,200,000	600,000	2,000,000	1,000,000	2023	2047
	5162580580	Millen Road Sanitary Sewer QEW crossing	-	-	-	-	-	-	1,125,000	-	-	-	-	-	1,125,000	-	2025	2025
Expansion / Extension Total			8,000,000	-	10,958,000	200,000	10,558,000	-	12,083,000	200,000	103,743,000	-	341,209,000	29,380,000	486,551,000	29,780,000		
Feasibility Plans / EA's/ Studies	5161555264	City-Wide Wastewater Master Plan	1,230,000	680,000	-	-	-	-	-	-	-	-	700,000	-	1,930,000	680,000	2015	2028
	5161796786	First Street (Waterdown Sanitary) PS Upgrade DC014	5,590,000	1,852,000	1,000,000	390,000	-	-	-	-	-	-	-	-	6,590,000	2,242,000	2017	2023
	5162055800	Sewer Outfall Monitoring Study	-	-	-	-	1,100,000	1,100,000	-	-	-	-	-	-	1,100,000	1,100,000	2020	2024
	5162095800	Flooding & Drainage Master Plan Capital Improvements	830,000	830,000	610,000	610,000	520,000	520,000	210,000	210,000	-	-	-	-	2,170,000	2,170,000	2020	2025
	5162168777	Chedoke Creek Water Quality Improvements (CASH FLOWED)	9,850,000	800,000	1,250,000	-	1,100,000	-	-	-	-	-	-	-	12,200,000	800,000	2021	2024
	5162255242	Combined Sewer Outfall Monitoring Study	600,000	600,000	200,000	71,470	-	-	-	-	-	-	-	-	800,000	671,470	2022	2023
	5162257800	Wastewater Facility Asset Management Implementation Plan	100,000	100,000	280,000	280,000	110,000	110,000	-	-	-	-	-	-	490,000	490,000	2022	2024
	5162355010	Wastewater Systems Planning	-	-	710,000	710,000	730,000	730,000	750,000	750,000	770,000	770,000	5,250,000	5,250,000	8,210,000	8,210,000	2023	2046
	5162355880	Inflow & Inflitration Studies and Flow Monitoring Program	-	-	1,310,000	655,000	1,060,000	530,000	460,000	230,000	480,000	240,000	3,300,000	1,650,000	6,610,000	3,305,000	2023	2046
	5162357545	Wastewater Computer Model Update & Maintenance	-	-	480,000	480,000	500,000	500,000	330,000	330,000	220,000	220,000	1,530,000	1,530,000	3,060,000	3,060,000	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	1,030,000	1,030,000	1,060,000	1,060,000	1,090,000	1,090,000	7,270,000	7,270,000	11,450,000	11,450,000	2023	2046
	5162562543	CSO Characterization Program	170,000	170,000	190,000	190,000	200,000	200,000	700,000	700,000	220,000	220,000	1,530,000	1,530,000	3,010,000	3,010,000	2022	2032

CITY OF HAMILTON
WASTEWATER SYSTEM
2023 - 2032 CAPITAL BUDGET LIST ($)

Project Type	Project ID	Title	Pre 2023		2023		2024		2025		2026		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year
	5163066151	2030 SCADA Master Plan	-	-	-	-	-	-	-	-	-	-	7,625,000	7,625,000	7,625,000	7,625,000	2029	2034
	5161695747	Battlefield Trunk Sewer Twinning (WW-33) (CASH FLOWED)	20,000,000	(2,650,000)	-	-	26,380,000	-	-	-	-	-	-	-	46,380,000	(2,650,000)	2016	2024
	5162349555	QA-QC Service Contract Program	-	-	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	2023	2047
	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	2047
	5162355556	Mapping Update Program	-	-	20,000	20,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000	380,000	380,000	2023	2047
	5162355878	Forcemain Condition Assessment Program	-	-	-	-	270,000	270,000	270,000	270,000	270,000	270,000	1,620,000	1,620,000	2,430,000	2,430,000	2024	2047
Feasibility Plans / EA's/ Studies Total			38,370,000	2,382,000	7,850,000	5,206,470	33,840,000	5,830,000	4,620,000	4,390,000	3,890,000	3,650,000	32,965,000	30,615,000	121,535,000	52,073,470		
Licenses	5162362073	Field Data Systems Program	-	-	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,100,000	1,100,000	2023	2047
Licenses Total			-	-	110,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,100,000	1,100,000		
New	5161667421	New Haulage Receiving Station	1,290,000	1,290,000	460,000	460,000	6,670,000	6,670,000	6,870,000	6,870,000	-	-	-	-	15,290,000	15,290,000	2016	2025
	5162441226	New Water and Wastewater Operations Facilities (CASH FLOWED)	-	-	437,500	437,500	1,062,500	1,062,500	1,062,500	1,062,500	2,562,500	2,562,500	2,562,500	2,562,500	7,687,500	7,687,500	2023	2027
	5161696452	Airport Lands Dickenson Rd Trunk Sewer (WW-27, WW-26, WW-28) (CASH FLOWED)	99,680,000	(6,800,000)	16,000,000	-	-	-	-	-	-	-	-	-	115,680,000	(6,800,000)	2016	2023
	5161718420	Grindstone Creek Utility Bridge - DESIGN ONLY	50,000	50,000	100,000	100,000	-	-	-	-	-	-	-	-	150,000	150,000	2017	2023
New Total			101,020,000	(5,460,000)	16,997,500	997,500	7,732,500	7,732,500	7,932,500	7,932,500	2,562,500	2,562,500	2,562,500	2,562,500	138,807,500	16,327,500		
Rehabilitation / Renovation	5160866801	Woodward WWTP - Clean Harbour (CASH FLOWED)	424,632,253	424,632,253	11,730,000	11,730,000	-	-	-	-	-	-	-	-	436,362,253	436,362,253	2008	2023
	5160966910	Woodward WWTP - Biosolids Management Facility	40,450,000	36,809,470	2,770,000	2,246,470	2,770,000	2,246,470	2,770,000	2,246,470	2,770,000	2,246,470	16,620,000	13,478,820	68,150,000	59,274,170	2009	2046
	5161266213	Dundas WWTP Improvements (CASH FLOWED)	2,610,000	2,610,000	1,650,000	1,650,000	1,150,000	1,150,000	26,650,000	26,650,000	22,150,000	22,150,000	87,500,000	87,500,000	141,710,000	141,710,000	2011	2032
	5161267273	Dundas Wastewater Outstations Upgrades	5,900,000	5,900,000	440,000	440,000	1,650,000	1,650,000	-	-	-	-	-	-	7,990,000	7,990,000	2011	2024
	5161467756	Greenhill & Cochrane HCS01 Combined Sewer Overflow Tank Cleaning & Upgrades (CASH FLOWED)	2,470,000	2,470,000	2,150,000	2,150,000	-	-	-	-	-	-	-	-	4,620,000	4,620,000	2014	2023
	5161767420	Parkdale Avenue HC001 Wastewater Pumping Station Upgrades	910,000	910,000	560,000	560,000	-	-	4,500,000	4,500,000	4,500,000	4,500,000	44,000,000	44,000,000	54,470,000	54,470,000	2016	2029
	5161966511	Woodward WWTP - Digester 3 & 5 (CASH FLOWED)	13,360,000	13,360,000	2,220,000	2,220,000	-	-	-	-	-	-	-	-	15,580,000	15,580,000	2019	2023
	5162066813	Dundas WWTP - Health & Safety Immediate Needs	3,950,000	3,950,000	-	-	2,500,000	2,500,000	-	-	-	-	-	-	6,450,000	6,450,000	2020	2024
	5162067065	Eastport Drive SPS (HC017) Upgrades	2,000,000	2,000,000	-	-	2,000,000	2,000,000	-	-	-	-	-	-	4,000,000	4,000,000	2020	2024
	5162067425	Hillside SPS (DC006) Upgrades	1,160,000	1,160,000	550,000	550,000	-	-	-	-	-	-	-	-	1,710,000	1,710,000	2020	2023
	5162167275	DC014 First Street (Waterdown) SPS New Swab Launch Chamber	1,540,000	1,540,000	330,000	330,000	-	-	-	-	-	-	-	-	1,870,000	1,870,000	2021	2023
	5162167420	DC007 McMaster Sewage Pumping Station Upgrades	1,100,000	1,100,000	440,000	440,000	250,000	250,000	2,750,000	2,750,000	2,750,000	2,750,000	-	-	7,290,000	7,290,000	2021	2026
	5162266911	Woodward WWTP - North Digester Complex Rehabilitation (CASH FLOW)	3,450,000	3,450,000	1,600,000	1,600,000	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	440,000	440,000	2,300,000	300,000	-	-	-	-	-	-	-	-	2,740,000	740,000	2022	2023
	5162267376	Rockcliffe (DC015) Wastewater Pumping Station Upgrades	90,000	90,000	3,350,000	3,350,000	-	-	-	-	-	-	-	-	3,440,000	3,440,000	2022	2023
	5162267585	Diesel Fuel Storage Compliance Upgrades	700,000	700,000	-	-	1,400,000	1,400,000	-	-	-	-	-	-	2,100,000	2,100,000	2022	2024
	5162360302	Emergency Repairs - Cross Connections Program	-	-	-	-	400,000	400,000	400,000	400,000	350,000	350,000	-	-	1,150,000	1,150,000	2024	2026
	5162360522	Sewer Lateral Management Program (WWC)	-	-	1,000,000	1,000,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	3,500,000	21,000,000	21,000,000	32,500,000	32,500,000	2023	2047
	5162361741	Resetting or Adjusting of Wastewater Utility Structures	-	-	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	1,500,000	2,500,000	2,500,000	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)	1,100,000	1,100,000	1,140,000	1,140,000	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	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	1,800,000	3,000,000	3,000,000	2023	2046
	5162366713	Wastewater Capital Maintenance Program	-	-	3,000,000	3,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	21,000,000	21,000,000	2023	2046
	5162367425	Beach Boulevard (HC031) Wastewater Pumping Station Upgrades	-	-	830,000	830,000	3,550,000	3,550,000	-	-	-	-	-	-	4,380,000	4,380,000	2023	2024
	5162369075	City Environmental Lab Improvements Program	-	-	-	-	180,000	180,000	295,000	295,000	895,000	895,000	1,312,000	1,312,000	2,682,000	2,682,000	2024	2047
	5162667751	Wastewater Outstation Upgrades - Asset Management Program	-	-	-	-	-	-	-	-	5,200,000	5,200,000	31,200,000	31,200,000	36,400,000	36,400,000	2024	2047
	5162311101	Road Cut Restoration Program	-	-	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	1,800,000	10,800,000	10,800,000	18,000,000	18,000,000	2023	2047
	5162360310	Regional Road 56 - Fall Fair Way to 500m North of Guyatt Rd - Sewer Main Rehab	-	-	2,500,000	2,500,000	-	-	-	-	-	-	-	-	2,500,000	2,500,000	2023	2023
	5162360390	Wastewater System Lining Program	-	-	4,050,000	-	4,050,000	4,050,000	4,050,000	4,050,000	4,050,000	4,050,000	24,300,000	24,300,000	40,500,000	36,450,000	2023	2047
	5162360533	Trenchless Manhole Rehabilitation	-	-	-	-	70,000	70,000	70,000	70,000	70,000	70,000	420,000	420,000	630,000	630,000	2024	2047
	5162360574	Capital Programming Sewer Inspection & Assessment	-	-	700,000	262,000	700,000	700,000	700,000	700,000	700,000	700,000	4,200,000	4,200,000	7,000,000	6,562,000	2023	2046
	5162360575	Mainline Sewer Condition Assessment Program	-	-	1,140,000	1,140,000	1,140,000	1,140,000	1,140,000	1,140,000	1,140,000	1,140,000	6,840,000	6,840,000	11,400,000	11,400,000	2023	2047
	5162360576	Sewer Lateral Condition Assessment Program	-	-	250,000	-	250,000	250,000	250,000	250,000	250,000	250,000	2,660,000	2,660,000	3,660,000	3,410,000	2023	2047
	5162360942	Ancaster Sewage Works Sewer & Pipe Bridge Rehabilitation - Hwy 403 to Bluebell	-	-	300,000	-	4,000,000	4,000,000	-	-	-	-	-	-	4,300,000	4,000,000	2023	2024
	5162361444	Sewer Lateral Replace/Rehab Program	-	-	3,100,000	2,150,000	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	3,100,000	20,600,000	20,600,000	33,000,000	32,050,000	2023	2047
	5162460372	Large Sewer Lining - Blanshard St: Locke St to Poulette St	-	-	-	-	2,600,000	2,600,000	-	-	-	-	-	-	2,600,000	2,600,000	2023	2024
	5162461420	West 31st 400mm Forcemain Replacement & Rehabilitation	-	-	-	-	3,500,000	3,500,000	-	-	-	-	-	-	3,500,000	3,500,000	2024	2024
	5162560572	Large Sewer Lining: Upper James - Inverness to James St S	-	-	-	-	-	-	3,000,000	3,000,000	-	-	-	-	3,000,000	3,000,000	2025	2025
	5162560592	Strathearne - Barton to Brampton	-	-	-	-	-	-	7,280,000	7,280,000	-	-	-	-	7,280,000	7,280,000	2024	2025
Rehabilitation / Renovation Total			505,862,253	502,221,723	51,850,000	43,338,470	59,360,000	58,836,470	104,155,000	103,631,470	76,525,000	76,001,470	286,752,000	283,610,820	1,084,504,253	1,067,640,423		
Replacement	5162361351	Targeted Private Disconnection Program	-	-	500,000	-	-	-	-	-	-	-	-	-	500,000	-	2023	2023
	5162361740	Unscheduled Manhole and Sewermain Replacement Program	-	-	650,000	650,000	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	3,000,000	5,150,000	5,150,000	2023	2047

CITY OF HAMILTON
WASTEWATER SYSTEM
2023 - 2032 CAPITAL BUDGET LIST ($)

Project Type	Project ID	Title	Pre 2023		2023		2024		2025		2026		Remaining		Project Total		Start	End
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Year	Year
	5162366111	Woodward WWTP - IT Infrastructure Upgrade	-	-	250,000	250,000	-	-	-	-	-	-	-	-	250,000	250,000	2023	2023
	5162366151	SCADA Maintenance Program	-	-	275,000	275,000	275,000	275,000	900,000	900,000	275,000	275,000	2,150,000	2,150,000	3,875,000	3,875,000	2023	2046
	5162367065	Replacement of the Eastport Sanitary Pumping Station	-	-	-	-	1,240,000	1,240,000	330,000	330,000	660,000	660,000	14,130,000	14,130,000	16,360,000	16,360,000	2023	2030
	5161968920	Fennell/Greenhill Drop Shaft	-	-	-	-	-	-	-	-	-	-	14,850,000	14,850,000	14,850,000	14,850,000	2019	2030
	5162360577	Mainline Sewer Condition Assessment for Compliance & Regulations	-	-	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	600,000	600,000	1,000,000	1,000,000	2023	2047
	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	2047
	5162360820	Open Cut Repairs for CIPP Program	-	-	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	2047
	5162361350	Sewer Regulator Rehabilitation/Replacement	-	-	504,000	-	-	-	-	-	-	-	-	-	504,000	-	2023	2023
	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	2047
	5162418420	Grindstone Creek Utility Bridge	-	-	-	-	3,500,000	3,500,000	-	-	-	-	-	-	3,500,000	3,500,000	2024	2028
	5162496850	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	2024
	5162561305	John - Cannon to Barton	-	-	-	-	-	-	250,000	250,000	-	-	-	-	250,000	250,000	2025	2025
Replacement Total			-	-	2,779,000	1,775,000	6,690,000	6,690,000	2,930,000	2,930,000	2,385,000	2,385,000	39,830,000	39,830,000	54,614,000	53,610,000		
Staffing Costs	5162301099	Engineering Services Staffing Costs - Wastewater	-	-	4,750,000	4,750,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	45,250,000	45,250,000	2023	2047
Staffing Costs Total			-	-	4,750,000	4,750,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	45,250,000	45,250,000		
Network Extension	5162380381	Binbrook Sanitary Sewer - Fletcher to Brigham	-	-	603,000	-	-	-	-	-	-	-	-	-	603,000	-	2023	2023
	5162480480	Glover Road Sanitary Sewer - Hwy 8 to 900m north, past Watercourse 7	-	-	-	-	724,000	72,400	-	-	-	-	-	-	724,000	72,400	2024	2024
	5162480481	Barton Sanitary Sewer - 200m east of McNeilly to Lewis	-	-	-	-	869,000	-	-	-	-	-	-	-	869,000	-	2024	2024
	5162480482	Barton Sanitary Sewer - Lewis to 350m east of Lewis	-	-	-	-	507,000	50,700	-	-	-	-	-	-	507,000	50,700	2024	2024
	5162680680	Jones Sanitary Sewer - 350m south of Barton to 200m south	-	-	-	-	-	-	-	-	290,000	29,000	-	-	290,000	29,000	2026	2026
	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
Network Extension Total			-	-	803,000	200,000	3,900,000	1,923,100	-	-	290,000	29,000	-	-	4,993,000	2,152,100		
Coordinated - Rehabilitation	5162371089	Bridge 089 - Creighton Rd, 30 m s/o Mill St	-	-	150,000	150,000	-	-	-	-	-	-	-	-	150,000	150,000	2023	2023
Coordinated - Rehabilitation Total			-	-	150,000	150,000	-	-	-	-	-	-	-	-	150,000	150,000		
Grand Total			657,553,253	500,954,223	107,292,500	61,123,440	134,620,500	89,302,070	144,320,500	126,433,970	201,195,500	91,177,970	748,443,500	429,973,320	1,993,425,753	1,298,964,993		