

**CITY OF HAMILTON
WATER SYSTEM
2022 - 2031 CAPITAL BUDGET LIST (\$)**

Project Type	Project ID	Title	Pre 2022		2022		2023		2024		2025		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
Coordinated - Network Extension	5142171328	Southcote - Garner to Highway 403 Bridge	-	(80,000)	3,040,000	1,520,000	-	-	-	-	-	-	-	-	3,040,000	1,440,000	2021	2022
	5142280280	First Road West Watermain - Bedrock to Glover Mountain	-	-	830,000	-	-	-	-	-	-	-	-	-	830,000	-	2022	2022
	5142280281	Dickenson Road West Watermain - Garth Street Extension to 870m easterly	-	-	510,000	-	-	-	-	-	-	-	-	-	510,000	-	2022	2022
	5142380320	RHBP - Twenty Rd Extension - Glover to Trinity Church	-	-	-	-	565,000	-	-	-	-	-	-	-	565,000	-	2023	2023
	5142580580	RHBP - Nebo - 900m s/o Twenty to Dickenson	-	-	-	-	-	-	-	-	400,000	-	-	-	400,000	-	2021	2039
	5142671108	Rymal - Glancaster to Upper Paradise	-	-	-	-	-	-	-	-	-	-	340,000	340,000	340,000	340,000	2026	2026
	5142880884	RHBP - Dickenson - Nebo to 800m e/o Nebo	-	-	-	-	-	-	-	-	-	-	900,000	-	900,000	-	2028	2028
	5143080388	Lewis - Barton to Hwy 8	-	-	-	-	-	-	-	-	-	-	500,000	-	500,000	-	2023	2030
Coordinated - Network Extension Total			-	(80,000)	4,380,000	1,520,000	565,000	-	-	-	400,000	-	1,740,000	340,000	7,085,000	1,780,000		
Coordinated - Other	5142160501	Watermain Rehabilitation/Replacement Coordinated with Development	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,000,000	6,000,000	11,000,000	11,000,000	2021	2046
	5142299999	Rates Projects Included in Tax Budget - NOT TO BE SET UP IN PEOPLESOFT	-	-	2,320,000	2,320,000	2,120,000	2,120,000	1,410,000	1,410,000	360,000	360,000	4,410,000	4,410,000	10,620,000	10,620,000	2022	2046
Coordinated - Other Total			1,000,000	1,000,000	3,320,000	3,320,000	3,120,000	3,120,000	2,410,000	2,410,000	1,360,000	1,360,000	10,410,000	10,410,000	21,620,000	21,620,000		
Coordinated - Replacement	5142171301	Watermain Replacement Coordinated with Roads	-	-	-	-	-	-	-	-	-	-	3,400,000	3,400,000	3,400,000	3,400,000	2027	2046
	5142171303	Marion - Longwood to Dromore	-	-	440,000	440,000	-	-	-	-	-	-	-	-	440,000	440,000	2021	2022
	5142271022	Burlington - James to Ferguson	-	-	1,200,000	1,200,000	-	-	-	-	-	-	-	-	1,200,000	1,200,000	2022	2022
	5142271214	Fairfield - Barton to Britannia	-	-	500,000	500,000	-	-	-	-	-	-	-	-	500,000	500,000	2022	2022
	5142271296	Governor's - Main to Ogilvie (Bridge 296)	-	-	400,000	400,000	-	-	-	-	-	-	-	-	400,000	400,000	2022	2022
	5142271305	Glenmorris / Underhill / Sleepy Hollow / Wilmar (York Heights / Hunter NBHD)	-	-	1,000,000	1,000,000	-	-	-	-	-	-	-	-	1,000,000	1,000,000	2022	2022
	5142271306	Kelvin - Old Orchard to south end	-	-	100,000	100,000	-	-	-	-	-	-	-	-	100,000	100,000	2022	2022
	5142271308	Concession / Mountain Brow - Upper Gage to Oakcrest	-	-	2,200,000	2,200,000	-	-	-	-	2,200,000	2,200,000	-	-	2,200,000	2,200,000	2022	2022
	5142271312	Strathearne - Main to Britannia	-	-	900,000	900,000	-	-	-	-	-	-	-	-	900,000	900,000	2022	2022
	5142271325	CCBF - Corktown Neighbourhood	-	-	400,000	-	-	-	-	-	-	-	-	-	400,000	-	2022	2022
	5142371304	Hatt & Bond - King to Market	-	-	-	-	800,000	800,000	-	-	-	-	-	-	800,000	800,000	2021	2023
	5142371307	Duke - Hess to west end & Robinson - Queen to west end	-	-	-	-	50,000	50,000	300,000	300,000	-	-	-	-	350,000	350,000	2023	2024
	5142371322	Barton - Sherman to Ottawa	-	-	-	-	10,000,000	10,000,000	-	-	-	-	-	-	10,000,000	10,000,000	2023	2023
	5142371327	Upper Centennial - Rymal to Mud	-	-	-	-	100,000	100,000	6,000,000	6,000,000	-	-	-	-	6,100,000	6,100,000	2023	2024
	5142471106	Rymal - Upper Ottawa to Dartnall	-	-	-	-	-	-	1,200,000	1,200,000	-	-	-	-	1,200,000	1,200,000	2024	2024
	5142471202	Hughson - Simcoe to Brock & Wood - James to Hughson	-	-	-	-	-	-	1,550,000	1,550,000	-	-	-	-	1,550,000	1,550,000	2024	2024
	5142471304	Ferguson/Foster/Walnut/Patrick	-	-	-	-	-	-	1,710,000	1,710,000	-	-	-	-	1,710,000	1,710,000	2022	2024
	5142471308	Scenic - Chateau Crt to Upper Paradise	-	-	-	-	-	-	1,750,000	1,750,000	-	-	-	-	1,750,000	1,750,000	2024	2024
	5142471314	Pinelands / Teal / Garden / Community / Greensfield	-	-	-	-	-	-	1,830,000	1,830,000	-	-	-	-	1,830,000	1,830,000	2024	2024
	5142471315	Strathearne - Brampton to gate at north end	-	-	-	-	-	-	820,000	820,000	-	-	-	-	820,000	820,000	2024	2024
	5142571106	Rymal - Upper Gage to Upper Ottawa	-	-	-	-	-	-	-	-	950,000	950,000	-	-	950,000	950,000	2025	2025
	5142571201	Simcoe - James to Wellington & Hughson - Strachan to Simcoe	-	-	-	-	-	-	-	-	1,400,000	1,400,000	-	-	1,400,000	1,400,000	2025	2025
	5142571303	Burlington & Industrial - Birch to Gage	-	-	-	-	-	-	-	-	2,820,000	2,820,000	-	-	2,820,000	2,820,000	2025	2025
	5142571305	Upper James - Mohawk to Fennell	-	-	-	-	-	-	-	-	3,070,000	3,070,000	-	-	3,070,000	3,070,000	2025	2025
	5142571306	Barton - Ottawa to Kenilworth	-	-	-	-	-	-	-	-	4,700,000	4,700,000	-	-	4,700,000	4,700,000	2025	2025
	5142671103	Rymal - Upper Sherman to Upper Gage	-	-	-	-	-	-	-	-	-	-	1,500,000	1,500,000	1,500,000	1,500,000	2026	2026
	5142671305	Dundurn - CPR bridge (s/o Main St) to King	-	-	-	-	-	-	-	-	-	-	430,000	430,000	430,000	430,000	2026	2026
	5142671307	Hatt - Market to east end & York / Kerr	-	-	-	-	-	-	-	-	-	-	1,060,000	1,060,000	1,060,000	1,060,000	2026	2026
	5142671309	Wilson - Wentworth to Sherman	-	-	-	-	-	-	-	-	-	-	820,000	820,000	820,000	820,000	2026	2026
	5142671314	Brampton - Parkdale to Woodward & Brighton	-	-	-	-	-	-	-	-	-	-	810,000	810,000	810,000	810,000	2026	2026
	5142671323	Fennell - Upper James to Upper Wellington	-	-	-	-	-	-	-	-	-	-	670,000	670,000	670,000	670,000	2026	2026
	5142671324	Osler - South St to West Park	-	-	-	-	-	-	-	-	-	-	900,000	900,000	900,000	900,000	2026	2028
	5142771106	Wentworth - Barton to Burlington	-	-	-	-	-	-	-	-	-	-	2,000,000	2,000,000	2,000,000	2,000,000	2027	2027
	5142771109	Southcote - Hwy 403 bridge to Oldoakes /Dorval	-	-	-	-	-	-	-	-	-	-	2,100,000	2,100,000	2,100,000	2,100,000	2027	2027
	5142771309	Gray - King to Hwy 8	-	-	-	-	-	-	-	-	-	-	2,000,000	2,000,000	2,000,000	2,000,000	2027	2027
	5142771312	Aberdeen - Queen to Studholme	-	-	-	-	-	-	-	-	-	-	3,200,000	3,200,000	3,200,000	3,200,000	2027	2027
	5142771314	Westdale North Neighbourhood Phase 1	-	-	-	-	-	-	-	-	-	-	2,500,000	2,500,000	2,500,000	2,500,000	2027	2027
	5142771315	Barton St BIA - Wentworth to Sherman	-	-	-	-	-	-	-	-	-	-	3,440,000	3,440,000	3,440,000	3,440,000	2027	2027
	5142871115	Westdale North Neighbourhood Phase 2	-	-	-	-	-	-	-	-	-	-	2,000,000	2,000,000	2,000,000	2,000,000	2028	2028
	5142871118	Charlton - Walnut to Sherman Access	-	-	-	-	-	-	-	-	-	-	2,700,000	2,700,000	2,700,000	2,700,000	2028	<12/31/22
	5142871304	Birge - Emerald to Cheever	-	-	-	-	-	-	-	-	-	-	240,000	240,000	240,000	240,000	2028	2028
	5142871307	Barton St BIA - Ferguson to Wentworth	-	-	-	-	-	-	-	-	-	-	4,440,000	4,440,000	4,440,000	4,440,000	2028	2028
	5142871308	Burlington & Industrial - Ottawa to Kenilworth	-	-	-	-	-	-	-	-	-	-	2,150,000	2,150,000	2,150,000	2,150,000	2028	2028
	5142871311	Oak/Emerald/East Ave - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	1,640,000	1,640,000	1,640,000	1,640,000	2028	2028
	5142871312	Cairns / East St N / Spencer / (Hunter Neighbourhood)	-	-	-	-	-	-	-	-	-	-	630,000	630,000	630,000	630,000	2028	2028
	5142971020	Sanford - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	850,000	850,000	850,000	850,000	2029	2029
	5142971113	Westdale North Neighbourhood Phase 3	-	-	-	-	-	-	-	-	-	-	2,200,000	2,200,000	2,200,000	2,200,000	2029	2029
	5142971114	Charlton - James to Walnut	-	-	-	-	-	-	-	-	-	-	4,000,000	4,000,000	4,000,000	4,000,000	2029	2029
	5142971117	Green - Carla to Barton	-	-	-	-	-	-	-	-	-	-	1,300,000	1,300,000	1,300,000	1,300,000	2029	2029
	5142971303	Florence/Head/Morden/Napier/Nelson/Peel/Wellesley (Strathcona Neighbourhood)	-	-	-	-	-	-	-	-	-	-	720,000	720,000	720,000	720,000	2029	2029
	5142971305	Carling / Macklin St S / Olmstead / Tope (Westdale South)	-	-	-	-	-	-	-	-	-	-	680,000	680,000	680,000	680,000	2029	2029

CITY OF HAMILTON
WATER SYSTEM
2022 - 2031 CAPITAL BUDGET LIST (\$)

Project Type	Project ID	Title	Pre 2022		2022		2023		2024		2025		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5142971310	Upper Wellington - Bryna to Mohawk	-	-	-	-	-	-	-	-	-	-	1,050,000	1,050,000	1,050,000	1,050,000	2029	2029
	5142971311	Jones / Oxford / Tecumseh (Strathcona Neighbourhood)	-	-	-	-	-	-	-	-	-	-	820,000	820,000	820,000	820,000	2029	2029
	5142971316	Sanford - Main to Cannon	-	-	-	-	-	-	-	-	-	-	1,410,000	1,410,000	1,410,000	1,410,000	2029	2029
	5143071129	Nash – Barton to 350 metres north of Bancroft	-	-	-	-	-	-	-	-	-	-	1,100,000	1,100,000	1,100,000	1,100,000	2030	2030
	5143071303	Hughson - Wilson to Barton	-	-	-	-	-	-	-	-	-	-	550,000	550,000	550,000	550,000	2030	2030
	5143071304	Evans - Wellington to East	-	-	-	-	-	-	-	-	-	-	390,000	390,000	390,000	390,000	2030	2030
	5143071308	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	-	-	-	-	-	-	-	-	-	-	950,000	950,000	950,000	950,000	2030	2030
Coordinated - Replacement Total			-	-	7,140,000	6,740,000	10,950,000	10,950,000	15,160,000	15,160,000	12,940,000	12,940,000	54,650,000	54,650,000	100,840,000	100,440,000		
	5142170000	Rates Share of Road Reconstruction - NOT TO BE SET UP IN PEOPLESOFT	-	-	4,130,000	4,130,000	3,790,000	3,790,000	4,930,000	4,930,000	4,690,000	4,690,000	56,400,000	56,400,000	73,940,000	73,940,000	2022	2046
Coordinated Replacement (50/50) Total			-	-	4,130,000	4,130,000	3,790,000	3,790,000	4,930,000	4,930,000	4,690,000	4,690,000	56,400,000	56,400,000	73,940,000	73,940,000		
Demolition / Disposal	5142067420	St. Joseph's Tank Pulsation Dampener (HD0025TK)	20,000	20,000	440,000	440,000	-	-	-	-	-	-	-	-	460,000	460,000	2020	2022
Demolition / Disposal Total			20,000	20,000	440,000	440,000	-	-	-	-	-	-	-	-	460,000	460,000		
Enhancement	5142166608	Lynden Water System - Phase 2 Treatment	210,000	210,000	110,000	110,000	-	-	-	-	-	-	-	-	320,000	320,000	2021	2022
Enhancement Total			210,000	210,000	110,000	110,000	-	-	-	-	-	-	-	-	320,000	320,000		
Expansion / Extension	5141796752	PD16 (Waterdown) Trunk Feedermain - PS HD016 to Hwy 5 at Algonquin (W-25) (CASH FLOWED)	2,200,000	1,878,000	-	-	1,100,000	275,000	7,270,000	1,817,500	-	-	-	-	10,570,000	3,970,500	2017	2024
	5141995951	PS HD019 (Binbrook) Capacity Upgrade (W-20)	20,000	20,000	-	-	-	-	280,000	-	-	-	2,150,000	-	2,450,000	20,000	2019	2026
	5141996951	Binbrook Feedermain via Fletcher (W-30)	3,920,000	50,000	2,530,000	-	-	-	-	-	-	-	-	-	6,450,000	50,000	2019	2022
	5142196011	Intensification Infrastructure Upgrades Program - Water	-	-	-	-	400,000	200,000	-	-	400,000	200,000	1,200,000	600,000	2,000,000	1,000,000	2023	2045
	5142260280	Upper Centennial Watermain Extension	-	-	500,000	500,000	-	-	-	-	-	-	-	-	500,000	500,000	2022	2022
	5142396850	Locke St Trunk Watermain - York - Locke to Cannon @ Caroline (W-19)	-	-	-	-	2,530,000	-	-	-	-	-	-	-	2,530,000	-	2023	2023
	5142495251	Highland Reservoir HDR07 (W-11) Expansion (CASH FLOWED)	-	-	-	-	-	-	1,980,000	-	5,220,000	-	5,220,000	-	12,420,000	-	2021	2026
	5142496850	Locke St Trunk Watermain - Main to York (W-19)	-	-	-	-	-	-	2,200,000	-	-	-	-	-	2,200,000	-	2024	2024
	5142596250	HD07A Feedermain (W-22)	-	-	-	-	-	-	-	-	1,160,000	-	7,700,000	-	8,860,000	-	2021	2026
	5143080081	South Service Rd - Millen to Dewitt	-	-	-	-	-	-	-	-	-	-	2,280,000	-	2,280,000	-	2023	2044
	5143080380	South Service Rd - Fruitland to Jones	-	-	-	-	-	-	-	-	-	-	1,280,000	-	1,280,000	-	2023	2030
	5143166110	Water Treatment Plant - Process Upgrades Phase 3 (CASH FLOWED)	-	-	-	-	-	-	-	-	-	-	1,100,000	228,800	1,100,000	228,800	2031	2034
	5143180180	Glover - Barton to South Service Rd Extension	-	-	-	-	-	-	-	-	-	-	790,000	-	790,000	-	2024	2031
	5143180182	Shaver - Kastura to Westview	-	-	-	-	-	-	-	-	-	-	225,000	168,750	225,000	168,750	2031	2032
	5143180381	Dewitt CNR Tracks to Barton	-	-	-	-	-	-	-	-	-	-	610,000	-	610,000	-	2024	2031
Expansion / Extension Total			6,140,000	1,948,000	3,030,000	500,000	4,030,000	475,000	11,730,000	1,817,500	6,780,000	200,000	22,555,000	997,550	54,265,000	5,938,050		
Feasibility Plans / EA's/ Studies	5141855777	Water infrastructure Analysis - Growth and Economic Opportunities	920,000	920,000	330,000	330,000	-	-	-	-	-	-	-	-	1,250,000	1,250,000	2018	2022
	5142096520	Garner Road Trunk Watermain - Southcote to Wilson (W-09)	-	(3,390,000)	13,550,000	-	-	-	-	-	-	-	-	-	13,550,000	(3,390,000)	2020	2023
	5142155010	Water Systems Planning Program	-	-	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	3,600,000	6,000,000	6,000,000	2022	2040
	5142155022	Engineering Consultant Watermain Projects	300,000	300,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000	2,400,000	4,300,000	4,300,000	2021	2046
	5142155247	Alterations to the Drinking Water System	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	900,000	1,650,000	1,650,000	2021	2046
	5142155556	Mapping Update Program	115,000	115,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000	240,000	515,000	515,000	2021	2046
	5142155713	Pressure Districts and Drinking Water System Optimization	-	-	-	-	420,000	420,000	170,000	170,000	170,000	170,000	1,020,000	1,020,000	1,780,000	1,780,000	2022	2031
	5142157545	Water - Computer Model	170,000	170,000	150,000	150,000	280,000	280,000	280,000	280,000	280,000	280,000	1,680,000	1,680,000	2,840,000	2,840,000	2021	2046
	5142167752	Water Outstation Inspections - Asset Management	50,000	50,000	-	-	800,000	800,000	800,000	800,000	800,000	800,000	6,300,000	6,300,000	8,750,000	8,750,000	2021	2046
	5142251112	Inventory Bar Coding System, Equipment & Consulting	-	-	200,000	200,000	-	-	-	-	-	-	-	-	200,000	200,000	2022	2022
	5142255264	City-Wide Water Master Plan	-	-	280,000	-	-	-	-	-	-	-	550,000	-	830,000	-	2022	2028
	5142255280	Airport Employment Growth District (AEGD) Water, Wastewater and Stormwater Master Plan Update	-	-	700,000	-	-	-	-	-	-	-	-	-	700,000	-	2022	2022
	5142255851	Water Efficiency Plan/Program	-	-	115,000	115,000	117,000	117,000	120,000	120,000	122,000	122,000	803,000	803,000	1,277,000	1,277,000	2022	2041
	5142257000	Vertical Asset Management Program	280,000	280,000	280,000	280,000	-	-	-	-	-	-	-	-	560,000	560,000	2021	2022
	5142257800	Water Facility Asset Management Implementation Plan	-	-	100,000	100,000	280,000	280,000	110,000	110,000	-	-	-	-	490,000	490,000	2022	2024
	5142267510	Water System Studies & Continual Improvement Initiatives	-	-	1,100,000	1,100,000	-	-	-	-	-	-	-	-	1,100,000	1,100,000	2022	2022
	5143066151	2030 SCADA Master Plan	-	-	-	-	-	-	-	-	-	-	5,125,000	5,125,000	5,125,000	5,125,000	2029	2034
Feasibility Plans / EA's/ Studies Total			1,985,000	(1,405,000)	17,995,000	3,465,000	3,087,000	3,087,000	2,670,000	2,670,000	2,562,000	2,562,000	22,618,000	22,068,000	50,917,000	32,447,000		
Licenses	5142162073	Field Data Systems Program	110,000	110,000	210,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,310,000	1,210,000	2021	2046
Licenses Total			110,000	110,000	210,000	110,000	110,000	110,000	110,000	110,000	110,000	110,000	660,000	660,000	1,310,000	1,210,000		
New	5141395354	PD18 (Ancaster) Water Servicing Strategy (W-14) (CASH FLOWED)	220,000	(180,000)	-	-	6,080,000	3,040,000	6,080,000	3,040,000	-	-	-	-	12,380,000	5,900,000	2013	2024
	5141495551	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	250,000	250,000	5,500,000	-	5,500,000	-	-	-	-	-	-	-	11,250,000	250,000	2014	2023
	5141767650	New Greensville Communal Well	320,000	320,000	150,000	150,000	150,000	150,000	3,500,000	3,500,000	3,500,000	3,500,000	-	-	7,620,000	7,620,000	2017	2025

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2022 - 2031 CAPITAL BUDGET LIST (\$)

Project Type	Project ID	Title	Pre 2022		2022		2023		2024		2025		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5141895852	Carlisle Water Supply System - Additional Water Storage (CASH FLOWED)	80,000	80,000	900,000	900,000	-	-	6,150,000	6,150,000	-	-	-	-	7,130,000	7,130,000	2018	2024
	5142151110	Fleet Additions	1,160,000	1,160,000	1,162,000	-	460,000	460,000	120,000	120,000	130,000	130,000	1,050,000	1,050,000	4,082,000	2,920,000	2021	2046
	5142161502	Water Meter - Installation/Replacement/Repair - General Maintenance	3,400,000	2,760,000	4,270,000	3,630,000	4,360,000	3,720,000	4,450,000	3,810,000	3,550,000	2,910,000	22,870,000	19,030,000	42,900,000	35,860,000	2021	2046
	5142167840	PD9 & PD10 East Stoney Creek Booster Pumping Station	470,000	470,000	550,000	550,000	3,150,000	3,150,000	-	-	-	-	-	-	4,170,000	4,170,000	2021	2023
	5142441226	Centralized Water and Wastewater Operations Centre (CASH FLOWED)	-	-	-	-	2,625,000	2,625,000	5,125,000	5,125,000	-	-	-	-	7,750,000	7,750,000	2023	2024
	5142467224	New PD2 Water Pumping Station (CASH FLOWED)	-	-	2,650,000	2,650,000	-	-	1,100,000	1,100,000	5,150,000	5,150,000	5,150,000	5,150,000	14,050,000	14,050,000	2022	2026
	5142495552	P.S. HD07A - New District 7 (Elfrida area) Pumping Station (W-21)	-	-	-	-	-	-	250,000	-	-	-	20,050,000	-	20,300,000	-	2024	2027
New Total			5,900,000	4,860,000	15,182,000	7,880,000	22,325,000	13,145,000	26,775,000	22,845,000	12,330,000	11,690,000	49,120,000	25,230,000	131,632,000	85,650,000		
Rehabilitation / Renovation	5141269250	HVAC system Upgrades at New Environmental Laboratory and Administration Building	5,420,000	5,420,000	-	-	-	-	110,000	110,000	880,000	880,000	-	-	6,410,000	6,410,000	2011	2025
	5141567520	Stone Church/Garth Water (HDR05) Reservoir	5,312,000	5,312,000	-	-	3,125,000	3,125,000	2,775,000	2,775,000	-	-	-	-	11,212,000	11,212,000	2015	2024
	5141567575	High Lift Pumping Station (HLPS) Improvements - Phase 2 (CASH FLOWED)	2,600,000	2,600,000	2,470,000	2,470,000	-	-	-	-	-	-	-	-	5,070,000	5,070,000	2015	2022
	5141667421	Glancaster Rd & Hwy 53 Pumping Station (HD018) Upgrades (CASH FLOWED)	10,510,000	10,510,000	-	-	-	-	-	-	-	-	5,500,000	5,500,000	16,010,000	16,010,000	2016	2029
	5141695883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion (W-26) (CASH FLOWED)	4,320,000	3,060,000	-	-	3,950,000	395,000	4,150,000	415,000	550,000	55,000	-	-	12,970,000	3,925,000	2016	2025
	5141760754	Kenilworth Transmission Watermain Renewal	2,000,000	2,000,000	600,000	600,000	-	-	-	-	-	-	-	-	2,600,000	2,600,000	2017	2022
	5141761777	Beach Trunkmain Rehab	7,700,000	7,700,000	1,500,000	1,500,000	-	-	-	-	-	-	-	-	9,200,000	9,200,000	2017	2022
	5141795850	Greenhill PS HD04B & HD05A Upgrades (W-28) (CASH FLOWED)	23,820,000	13,260,000	550,000	137,500	13,930,000	3,482,500	15,650,000	3,912,500	15,650,000	3,912,500	-	-	69,600,000	24,705,000	2017	2025
	5141867651	HD007 Highland Rd Reservoir Upgrades	30,000	30,000	170,000	170,000	1,000,000	1,000,000	-	-	-	-	-	-	1,200,000	1,200,000	2018	2023
	5141966420	Woodward WTP Chlorine Chemical Building	660,000	660,000	1,380,000	1,380,000	-	-	-	-	-	-	-	-	2,040,000	2,040,000	2019	2022
	5141967375	HDR01 Kenilworth and HDR1C Ben Nevis Reservoir Upgrades	14,360,000	14,360,000	330,000	330,000	-	-	-	-	-	-	-	-	14,690,000	14,690,000	2019	2022
	5142067450	Lee Smith Reservoir (HDR00) Upgrades	110,000	110,000	170,000	170,000	-	-	-	-	-	-	-	-	280,000	280,000	2020	2022
	5142111101	Road Cut Restoration Program	5,400,000	5,400,000	7,965,000	-	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	32,400,000	32,400,000	61,965,000	54,000,000	2021	2046
	5142157626	Critical Watermain Inspection Program	600,000	600,000	731,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	3,600,000	6,731,000	6,600,000	2021	2046
	5142160072	Watermain Structural Lining	7,700,000	7,700,000	5,300,000	-	6,200,000	6,200,000	6,200,000	6,200,000	6,200,000	6,200,000	37,200,000	37,200,000	68,800,000	63,500,000	2021	2046
	5142160073	Structural Watermain Lining - Charlton Ave 750mm	150,000	150,000	-	-	-	-	-	-	-	-	2,680,000	2,680,000	2,830,000	2,830,000	2021	2029
	5142166110	Water Treatment Plant - Process Upgrades Phase 2 (CASH FLOWED)	1,378,000	1,378,000	1,378,000	751,000	2,705,000	1,473,000	19,175,000	10,442,000	54,838,000	29,862,000	66,706,000	36,324,000	146,180,000	80,230,000	2021	2028
	5142166713	Water Maintenance Capital Program	-	-	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	19,000,000	19,000,000	2022	2046
	5142167420	HDR18 Glancaster Reservoir Upgrades	440,000	440,000	440,000	440,000	1,430,000	1,430,000	1,100,000	1,100,000	-	-	-	-	3,410,000	3,410,000	2021	2024
	5142167421	HDR11 Woodley Lane Reservoir Upgrades	1,600,000	1,600,000	170,000	170,000	500,000	500,000	-	-	-	-	-	-	2,270,000	2,270,000	2021	2023
	5142169075	City Environmental Lab Improvements Program	275,000	275,000	340,000	340,000	190,000	190,000	90,000	90,000	50,000	50,000	300,000	300,000	1,245,000	1,245,000	2021	2046
	5142261240	Woodward Treatment Plant Filter Building - Flume Watermain Lining	-	-	2,000,000	2,000,000	-	-	-	-	-	-	-	-	2,000,000	2,000,000	2022	2022
	5142261741	Resetting or Adjusting of Water 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	2022	2046
	5142266220	Water Treatment Plant - Clearwells Concrete Restoration Upgrades	-	-	600,000	600,000	700,000	700,000	2,400,000	2,400,000	2,400,000	2,400,000	-	-	6,100,000	6,100,000	2022	2025
	5142266320	Woodward Water Treatment Plant - Low Lift Pumping Station Intake Repairs	-	-	830,000	830,000	-	-	-	-	-	-	-	-	830,000	830,000	2022	2022
	5142266712	Water Maintenance - Rebuild, Replacement and New Capital	-	-	400,000	400,000	200,000	200,000	200,000	200,000	200,000	200,000	1,200,000	1,200,000	2,200,000	2,200,000	2022	2046
	5142267585	Diesel Fuel Storage Compliance Upgrades	-	-	500,000	500,000	600,000	600,000	-	-	-	-	-	-	1,100,000	1,100,000	2022	2023
	5142567751	Water Outstation Upgrades - Asset Management Program	-	-	-	-	-	-	-	-	7,500,000	7,500,000	45,000,000	45,000,000	52,500,000	52,500,000	2023	2046
	5142661308	James and Charlton Intersection	-	-	-	-	-	-	-	-	-	-	940,000	940,000	940,000	940,000	2026	2026
	5142660072	WM Structural Lining - Dundas Valley Watermain	-	-	-	-	-	-	-	-	-	-	1,550,000	1,550,000	1,550,000	1,550,000	2028	2028
Rehabilitation / Renovation Total			94,385,000	82,565,000	29,074,000	14,638,500	42,780,000	27,545,500	60,100,000	35,894,500	96,518,000	59,309,500	210,576,000	180,194,000	533,433,000	400,147,000		
Replacement	5141567273	Main / Whitney Pumping Station Replacement and Decommissioning	180,000	180,000	140,000	140,000	3,850,000	3,850,000	-	-	-	-	-	-	4,170,000	4,170,000	2015	2023
	5141595553	PS HD12A (Governors @ Huntingwood) Rebuild with Capacity Upgrade & Standby Power Installation (W-04)	260,000	(32,000)	220,000	55,000	2,650,000	662,500	4,350,000	1,087,500	-	-	-	-	7,480,000	1,773,000	2015	2024
	5141966151	SCADA Maintenance Program	2,400,000	2,400,000	150,000	150,000	275,000	275,000	275,000	275,000	900,000	900,000	2,275,000	2,275,000	6,275,000	6,275,000	2019	2046
	5142066310	WTP Pre-Treatment Isolation Valves	1,280,000	1,280,000	550,000	550,000	-	-	-	-	-	-	-	-	1,830,000	1,830,000	2020	2022
	5142066350	WTP Chlorine Chemical Building	200,000	200,000	-	-	-	-	6,430,000	6,430,000	6,430,000	6,430,000	-	-	13,060,000	13,060,000	2020	2025
	5142149555	QA-QC Service Contract Program	-	-	290,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	900,000	900,000	1,640,000	1,500,000	2021	2046
	5142160080	Valve Replacement Program	1,200,000	1,200,000	3,780,000	2,610,000	1,720,000	1,720,000	1,450,000	1,450,000	1,780,000	1,780,000	8,550,000	8,550,000	18,480,000	17,310,000	2021	2046
	5142160577	Metallic Watermain Condition Assessment Program	630,000	630,000	815,000	630,000	630,000	630,000	630,000	630,000	630,000	630,000	3,780,000	3,780,000	7,115,000	6,930,000	2021	2046
	5142160711	PW Capital Water Consumption Program	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	2021	2046
	5142160750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	3,000,000	3,000,000	2,850,000	1,550,000	2,850,000	2,850,000	2,350,000	2,350,000	2,350,000	2,350,000	14,100,000	14,100,000	27,500,000	26,200,000	2021	2046
	5142161300	Stand-Alone Watermain Replacement	-	-	-	-	-	-	-	-	-	-	5,000,000	5,000,000	5,000,000	5,000,000	2028	2046
	5142162078	Substandard Water Service Replacement Program	2,750,000	2,750,000	2,350,000	2,350,000	2,350,000	2,350,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	12,000,000	23,450,000	23,450,000	2021	2046
	5142171074	Contingency for Unscheduled Works Program	299,996	299,996	-	-	180,000	180,000	-	-	180,000	180,000	540,000	540,000	1,199,996	1,199,996	2021	2046
	5142260081	Large Valve Replacement - Nash	-	-	2,000,000	-	-	-	-	-	-	-	-	-	2,000,000	-	2022	2022

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Project Type	Project ID	Title	Pre 2022		2022		2023		2024		2025		Remaining		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
	5142260082	Large Valve Replacement - Longwood and Glenside	-	-	1,000,000	-	-	-	-	-	-	-	-	-	1,000,000	-	2022	2022
	5142271318	Eastmount Neighbourhood - Water	-	-	210,000	160,000	-	-	-	-	-	-	-	-	210,000	160,000	2022	2022
	5142461302	Bold - Queen to Locke	-	-	-	-	-	-	700,000	700,000	-	-	-	-	700,000	700,000	2021	2024
	5142472304	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	-	-	-	-	-	-	140,000	140,000	-	-	-	-	140,000	140,000	2024	2031
	5142661301	Robinson - Hess to Park	-	-	-	-	-	-	-	-	-	-	950,000	950,000	950,000	950,000	2021	2026
	5142661306	Amelia - Queen to West End	-	-	-	-	-	-	-	-	-	-	560,000	560,000	560,000	560,000	2026	2026
	5142661307	Dallas - Upper Gage to West End	-	-	-	-	-	-	-	-	-	-	630,000	630,000	630,000	630,000	2026	2026
	5142661309	Myler - Sanford to Milton/Milton - Barton to Princess	-	-	-	-	-	-	-	-	-	-	470,000	470,000	470,000	470,000	2026	2026
	5142760311	George - Queen to Ray	-	-	-	-	-	-	-	-	-	-	420,000	420,000	420,000	420,000	2027	2027
	5142761302	Edgemont - Main to King	-	-	-	-	-	-	-	-	-	-	660,000	660,000	660,000	660,000	2021	2028
	5142861302	Edward - Barnesdale to Lottridge	-	-	-	-	-	-	-	-	-	-	360,000	360,000	360,000	360,000	2028	2028
	5142861303	Hess - Markland to Aberdeen	-	-	-	-	-	-	-	-	-	-	460,000	460,000	460,000	460,000	2028	2028
	5142861305	John - Cannon to Barton	-	-	-	-	-	-	-	-	-	-	810,000	810,000	810,000	810,000	2028	2028
	5142961301	Clinton\Case\Ruth\Barnesdale	-	-	-	-	-	-	-	-	-	-	1,810,000	1,810,000	1,810,000	1,810,000	2029	2029
	5143060310	Princess\Westinghouse\Milton\Fullerton\Gibson\Earl	-	-	-	-	-	-	-	-	-	-	4,200,000	4,200,000	4,200,000	4,200,000	2030	2030
	5143061303	Caroline - Herkimer to Robinson	-	-	-	-	-	-	-	-	-	-	420,000	420,000	420,000	420,000	2030	2030
	5143166510	GAC Replacement	-	-	-	-	-	-	-	-	-	-	600,000	600,000	600,000	600,000	2026	2032
Replacement Total			12,449,996	12,157,996	14,605,000	8,595,000	14,905,000	12,917,500	18,725,000	15,462,500	14,670,000	14,670,000	60,995,000	60,995,000	136,349,996	124,797,996		
Safety/ Security	5142266351	Woodward SCADA OT (Operating Technology) Security Program	-	-	125,000	125,000	-	-	-	-	-	-	-	-	125,000	125,000	2022	2022
	5142266871	Hamilton Water Capital Security Plan	-	-	1,030,000	1,030,000	1,060,000	1,060,000	1,130,000	1,130,000	790,000	790,000	530,000	530,000	4,540,000	4,540,000	2022	2031
Safety/ Security Total			-	-	1,155,000	1,155,000	1,060,000	1,060,000	1,130,000	1,130,000	790,000	790,000	530,000	530,000	4,665,000	4,665,000		
Staffing Costs	5142101099	Engineering Services Staffing Costs - Water	4,700,000	4,700,000	4,500,000	4,036,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,700,000	49,236,000	2021	2046
Staffing Costs Total			4,700,000	4,700,000	4,500,000	4,036,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	27,000,000	27,000,000	49,700,000	49,236,000		
Grand Total			126,899,996	106,085,996	105,271,000	56,639,500	111,222,000	80,700,000	148,240,000	106,929,500	157,650,000	112,821,500	517,254,000	439,474,550	1,166,536,996	902,651,046		