

Schedule B
2021 Water and Wastewater Capital Budget and Capital Forecast for 2022 to 2030 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	Total
Wastewater													
3700SS - Seymour St. - Station to Wallace - Widening and Signals	G	-	-	-	-	60,000	-	1,100,000	-	-	-	-	1,160,000
3719SS - Digester Replacement	AIM	900,000	2,100,000	-	-	-	-	-	-	-	-	-	3,000,000
3801SS - McKeown Ave. Widening - Gormanville to Cartier	R G	75,000	-	1,175,000	-	-	-	-	-	-	-	-	1,250,000
3802SS - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	AIM	-	-	-	-	-	-	-	-	160,000	-	3,000,000	3,160,000
3810SS - Main St. - Gormanville to Memorial	G	-	-	-	-	-	-	-	-	220,000	-	4,100,000	4,320,000
3818SS - Premier Pumping Station Replacement	AIM	480,000	-	2,370,000	-	-	-	-	-	-	-	-	2,850,000
3825SS - Wastewater Treatment Plant - Intake Chamber Replacement	AIM	-	-	200,000	2,800,000	1,700,000	-	-	-	-	-	-	4,700,000
3826SS - Pumping Station Replacement	AIM	-	-	-	2,500,000	5,000,000	-	-	1,500,000	5,000,000	2,500,000	3,500,000	20,000,000
3829SS - Wastewater Treatment Plant - Structural Repair	R AIM	306,257	689,582	490,000	950,000	500,000	-	-	-	-	-	-	2,935,839
3900SS - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	SI	-	-	-	-	-	-	1,500,000	-	20,000	-	-	1,520,000
3909SS - Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	AIM	-	-	-	-	-	50,000	-	900,000	-	-	-	950,000
3913SS - Ivanhoe Drive Reconstruction - Sage to Rita	AIM	30,000	700,000	-	-	-	-	-	-	-	-	-	730,000
3917SS - Third Avenue - Cassells to Front	AIM	20,000	400,000	-	-	-	-	-	-	-	-	-	420,000
3919SS - Metcalfe St - Laurier to End	AIM	-	30,000	-	-	-	-	-	-	-	-	-	30,000
3920SS - O'Brien Street - Ski Club to Airport & Ski Club Signals	AIM	20,000	-	-	-	-	-	-	-	400,000	-	-	420,000
3928SS - Wastewater Treatment Plant - Roof Rehab	AIM	250,000	-	-	250,000	250,000	-	250,000	-	250,000	-	-	1,250,000
3932SS - Lakeshore Dr. - Jessups Creek to Premier Road	AIM	40,000	-	-	825,000	825,000	-	-	-	-	-	-	1,690,000
3935SS - Marshall 500 mm Forcemain Condition Assessment and Rehab	AIM	-	-	500,000	-	-	-	-	-	-	-	-	500,000

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Wastewater														
4029SS - Wastewater Treatment Plant - Raw Sewage Pumping Station	R	AIM	-	1,100,000	-	-	-	-	-	-	-	-	-	1,100,000
4030SS - Sanitary Sewer Relining		AIM	-	-	-	-	400,000	-	200,000	-	-	125,000	-	725,000
4032SS - O'Brien St. Reconstruction - Cassells to Ski Club		AIM	-	-	-	-	-	-	160,000	-	-	-	1,500,000	1,660,000
4037SS - Sage Area Trunk Sewer Improvements		AIM	-	-	-	-	500,000	-	3,000,000	-	-	-	-	3,500,000
4103SS - Wastewater Treatment Plant Expansion		AIM	-	-	3,500,000	-	-	7,000,000	-	-	250,000	9,350,000	-	20,100,000
4110SS - WWTP Ferric Room Upgrades		AIM	-	100,000	-	-	-	-	-	-	-	-	-	100,000
4112SS - WWTP – Gas Compressor Replacement		AIM	-	60,000	-	-	-	-	-	-	-	-	-	60,000
4115SS - Innovation Hub		G	-	10,000	-	100,000	-	-	-	-	-	-	-	110,000
4118SS - King's Landing Pumping Station Replacement		AIM	-	75,000	-	1,500,000	-	-	-	-	-	-	-	1,575,000
4124SS - Francis St. Sewer Upsizing (Surrey to Greenhill)		G	-	-	-	-	-	-	80,000	-	-	1,500,000	-	1,580,000
4125SS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	AIM	-	-	-	320,000	-	1,500,000	-	1,500,000	-	-	-	3,320,000
4130SS - Business & Industrial Park Development Design		SI	-	80,000	-	-	-	-	-	-	-	-	-	80,000
4202SS - Infiltration Reduction/Flow Monitoring Program - Phase 3		SI	-	200,000	-	-	-	-	-	-	-	-	-	200,000
4300SS - Airport Industrial Park Expansion	F	G	-	150,000	-	-	-	-	-	-	2,900,000	-	-	3,050,000
4401SS - Sage Rd. Reconstruction to Collector Standard		G	-	-	-	-	-	-	-	-	20,000	-	-	20,000
4402SS - Chippewa Trunk Sewer Major Rehabilitation & Replacement		AIM	-	-	-	-	200,000	-	1,000,000	2,500,000	-	-	-	3,700,000
4500SS - Franklin & John Trunk Watermain		SI	-	-	-	-	-	-	110,000	-	2,100,000	-	-	2,210,000
6557SS - Design Work Next Year's Projects 2021 On-going		AIM	-	32,000	33,000	34,000	35,000	36,000	37,000	38,000	39,000	40,000	40,000	364,000

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Wastewater													
6558SS - Digester and Grit Removal 2021 On-going	AIM	-	-	-	109,000	-	-	109,000	-	-	109,000	-	327,000
6562SS - Engineering Data and Equipment 2021 On-going	SI	-	20,000	5,000	5,000	5,000	20,000	5,000	5,000	5,000	20,000	20,000	110,000
6569SS - Infrastructure Modelling 2021 On-going	AIM	-	-	-	-	-	10,000	-	-	-	10,000	-	20,000
6589SS - Sewage Lift Stations 2021 On-going	AIM	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	52,000	55,000	55,000	512,000
6590SS - Sewage Lift Stations PLC and Radio Upgrades 2021 On-going	AIM	-	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	300,000
6592SS - Sewer Rehab and Restoration 2021 On-going	AIM	-	250,000	250,000	250,000	250,000	250,000	250,000	250,000	258,000	260,000	260,000	2,528,000
6600SS - Wastewater Treatment Plant - Electrical Upgrades 2021 On-going	AIM	-	250,000	200,000	250,000	250,000	250,000	250,000	250,000	258,000	260,000	260,000	2,478,000
6601SS - Wastewater Treatment Plant Exterior Rehab 2021 on-going	AIM	-	300,000	150,000	300,000	-	300,000	-	450,000	-	300,000	-	1,800,000
6602SS - Wastewater Treatment Plant Rehab 2021 On-going	AIM	-	250,000	-	200,000	-	150,000	-	150,000	-	150,000	-	900,000
Total Wastewater		2,121,257	6,876,582	8,953,000	10,473,000	10,055,000	9,646,000	8,131,000	7,623,000	11,962,000	14,709,000	12,765,000	103,314,839
Water													
3319WS - Ellendale Upgrades as per Condition Assessment	AIM	920,392	400,000	-	-	-	-	-	-	-	-	-	1,320,392
3700WS - Seymour St. - Station to Wallace - Widening and Signals	G	-	-	-	-	200,000	-	3,800,000	-	-	-	-	4,000,000
3701WS - Norman/Chapais Connection Watermain	SI	-	-	-	-	-	-	60,000	-	-	-	-	60,000
3801WS - McKeown Ave. Widening - Gormanville to Cartier	R G	75,000	-	1,125,000	-	-	-	-	-	-	-	-	1,200,000
3802WS - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	AIM	-	-	-	-	-	-	-	-	160,000	-	3,000,000	3,160,000
3807WS - Ellendale Generator Replacement	AIM	313,527	886,473	-	-	-	-	-	-	-	-	-	1,200,000
3810WS - Main St. - Gormanville to Memorial	G	-	-	-	-	-	-	-	-	60,000	-	1,200,000	1,260,000
3900WS - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	SI	-	-	-	-	-	-	1,800,000	-	100,000	-	-	1,900,000

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Water													
3905WS - Cedar Heights Rd. - Larocque BPS	G	-	-	-	-	50,000	-	-	4,000,000	-	-	-	4,050,000
3909WS - Worthington, Wyld, Sherbrooke, Second 4" Watermain Replacement	AIM	-	-	-	-	-	50,000	-	1,000,000	-	-	-	1,050,000
3912WS - Integrated Software Solution	AIM	-	16,000	2,000,000	-	-	-	-	-	-	-	-	2,016,000
3913WS - Ivanhoe Drive Reconstruction - Sage to Rita	AIM	30,000	800,000	-	-	-	-	-	-	-	-	-	830,000
3917WS - Third Avenue - Cassells to Front	AIM	20,000	400,000	-	-	-	-	-	-	-	-	-	420,000
3919WS - Metcalfe St - Laurier to End	AIM	-	30,000	-	-	-	-	-	-	-	-	-	30,000
3920WS - O'Brien Street - Ski Club to Airport & Ski Club Signals	AIM	20,000	-	-	-	-	-	-	-	400,000	-	-	420,000
3931WS - Ellendale Second Feed	SI	50,000	800,000	-	-	-	-	-	-	-	-	-	850,000
3932WS - Lakeshore Dr. - Jessups Creek to Premier Road	AIM	30,000	-	-	725,000	725,000	-	-	-	-	-	-	1,480,000
3936WS - Watermain - Cathodic Protection Program	AIM	-	200,000	-	-	-	-	-	-	-	-	-	200,000
4003WS - Membrane Module Replacement	R	AIM	-	-	-	-	1,620,000	1,620,000	-	-	-	-	3,240,000
4031WS - Public Works Building Rehab	AIM	-	-	-	-	100,000	-	200,000	-	-	1,000,000	-	1,300,000
4032WS - O'Brien St. Reconstruction - Cassells to Ski Club	AIM	-	-	-	-	-	-	160,000	-	-	-	1,600,000	1,760,000
4102WS - Ellendale Pumping Station Second Feed to Airport	SI	-	-	-	-	200,000	-	-	1,500,000	1,000,000	-	-	2,700,000
4108WS - Unidirectional Flushing Update	AIM	-	125,000	-	-	-	-	-	-	-	-	-	125,000
4111WS - WTP Solar Tank Replacement	AIM	-	100,000	-	-	-	-	-	-	-	-	-	100,000
4113WS - WTP - Brick Repairs	AIM	-	70,000	-	-	-	-	-	-	-	-	-	70,000
4115WS - Innovation Hub	G	-	20,000	-	400,000	-	-	-	-	-	-	-	420,000

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Water													
4116WS - Judge St. Watermain Upsizing	G	-	797,000	-	-	-	-	-	-	-	-	-	797,000
4124WS - Francis St. Sewer Upsizing (Surrey to Greenhill)	G	-	-	-	-	-	-	80,000	-	-	1,400,000	-	1,480,000
4125WS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	AIM	-	-	320,000	-	1,500,000	-	1,500,000	-	-	-	3,320,000
4130WS - Business & Industrial Park Development Design	SI	-	90,000	-	-	-	-	-	-	-	-	-	90,000
4300WS - Airport Industrial Park Expansion	F	G	-	260,000	-	-	-	-	-	4,800,000	-	-	5,060,000
4401WS - Sage Rd. Reconstruction to Collector Standard	G	-	-	-	-	-	-	-	-	60,000	-	-	60,000
4500WS - Franklin & John Trunk Watermain	SI	-	-	-	-	-	-	150,000	-	2,800,000	-	-	2,950,000
6549WS - Asset Management 2021 On-going	AIM	-	25,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	700,000
6555WS - City Share of Development Costs 2021 On-going	G	-	284,000	293,000	302,000	311,000	320,000	330,000	340,000	350,000	360,000	360,000	3,250,000
6557WS - Design Work Next Year's Projects 2021 On-going	AIM	-	116,000	119,000	122,000	125,000	128,000	132,000	136,000	140,000	140,000	140,000	1,298,000
6563WS - Equipment Replacement 2021 On-going	AIM	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
6567WS - Flush Watermains 2021 On-going	AIM	-	100,000	200,000	200,000	200,000	200,000	200,000	200,000	206,000	210,000	210,000	1,926,000
6568WS - Hydrant and Valve Rehab 2021 On-going	AIM	-	209,000	215,000	221,000	221,000	221,000	221,000	221,000	228,000	230,000	230,000	2,217,000
6569WS - Infrastructure Modelling 2021 On-going	AIM	-	50,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	95,000
6585WS - Public Works Building Maintenance 2021 On-going	AIM	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000	26,000	26,000	26,000	253,000
6596WS - System Technology Program 2021 On-going	AIM	-	123,188	127,131	131,072	131,072	131,072	131,072	131,072	135,014	135,014	135,014	1,310,721
6603WS - Water Infrastructure Audit 2021 On-going	AIM	-	69,000	69,000	73,000	73,000	73,000	73,000	73,000	75,000	75,000	75,000	728,000
6604WS - Water Plant Maintenance 2021 On-going	AIM	-	300,000	-	300,000	-	300,000	300,000	300,000	309,000	310,000	310,000	2,429,000

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Water													
6606WS - Watermain Rehab and Restoration 2021 On-going	AIM	-	-	-	818,000	818,000	818,000	818,000	818,000	843,000	845,000	845,000	6,623,000
6607WS - Watermain Replace/Ream/Reline 2021 On-going	AIM	-	209,000	215,000	221,000	221,000	221,000	221,000	221,000	228,000	230,000	230,000	2,217,000
Total Water		1,458,919	6,519,661	4,483,131	3,953,072	5,115,072	5,702,072	8,796,072	10,560,072	12,015,014	5,056,014	8,456,014	72,115,113
Total Wastewater and Water Capital Budget		3,580,175	13,396,243	13,436,131	14,426,072	15,170,072	15,348,072	16,927,072	18,183,072	23,977,014	19,765,014	21,221,014	175,429,951
Reserve Funding (R)													
3801SS - McKeown Ave. Widening - Gormanville to Cartier		(18,750)	-	(293,750)	-	-	-	-	-	-	-	-	(312,500)
3801WS - McKeown Ave. Widening - Gormanville to Cartier		(18,750)	-	(281,250)	-	-	-	-	-	-	-	-	(300,000)
3829SS - Wastewater Treatment Plant - Structural Repair		-	(497,000)	(150,000)	(116,000)	-	-	-	-	-	-	-	(763,000)
4003WS - Membrane Module Replacement		-	-	-	-	(580,000)	-	-	-	-	-	-	(580,000)
4029SS - Wastewater Treatment Plant - Raw Sewage Pumping Station		-	(452,700)	-	-	-	-	-	-	-	-	-	(452,700)
4125SS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude		-	-	-	(255,000)	-	-	-	-	-	-	-	(255,000)
4125WS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude		-	-	-	(110,000)	-	-	-	-	-	-	-	(110,000)
Total Reserve Funding		(37,500)	(949,700)	(725,000)	(481,000)	(580,000)	-	-	-	-	-	-	(2,773,200)
Grants and Other Funding Sources (F)													
4300SS - Airport Industrial Park Expansion		-	-	-	-	-	-	-	-	(1,913,706)	-	-	(1,913,706)
4300WS - Airport Industrial Park Expansion		-	-	-	-	-	-	-	-	(3,167,512)	-	-	(3,167,512)
Total Grants and Other Funding Sources		-	-	-	-	-	-	-	-	(5,081,218)	-	-	(5,081,218)
Net Water and Wastewater Capital Budget Capital Funding Policy Limit		3,542,675	12,446,543	12,711,131	13,945,072	14,590,072	15,348,072	16,927,072	18,183,072	18,895,796	19,765,014	21,221,014	167,575,533
Capital Levy In Water and Wastewater Budget			(9,436,543)	(10,082,089)	(10,816,078)	(11,786,510)	(12,692,310)	(13,814,286)	(14,858,607)	(15,958,857)	(16,822,608)	(18,038,948)	(134,306,836)
Debenture and Long-term Debt			(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(30,000,000)
Target Policy for Net Expenditures			(12,436,543)	(13,082,089)	(13,816,078)	(14,786,510)	(15,692,310)	(16,814,286)	(17,858,607)	(18,958,857)	(19,822,608)	(21,038,948)	(164,306,836)
(\$ Available) \$Funding Needed			10,000	(370,958)	128,994	(196,438)	(344,238)	112,786	324,465	(63,061)	(57,594)	182,066	(273,978)