### Capital Budget 2024/25

### Summary

Asset Category	Project Costs
Water - Land T O T A L	\$125,000
Water - Transmission T O T A L	\$9,042,000
Water - Distribution T O T A L	\$19,814,000
Water - Structures T O T A L	\$7,465,000
Water - Treatment Facilities T O T A L	\$4,197,000
Water - Energy T O T A L	\$250,000
Water - Equipment T O T A L	\$120,000
Water - Corporate Projects - T O T A L	\$21,612,000
TOTAL - Water	\$62,625,000
Wastewater - Collection System T O T A L	\$16,810,000
Wastewater - Forcemains T O T A L	\$780,000
Wastewater Structures T O T A L	\$15,590,000
Wastewater - Treatment Facility T O T A L	\$13,010,000
Wastewater - Energy T O T A L	\$800,000
Wastewater - Equipment T O T A L	\$575,000
Wastewater - Corporate Projects T O T A L	\$22,375,000
TOTAL - Wastewater	\$69,940,000
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Stormwater - Pipes T O T A L	\$9,752,000
Stormwater - Culverts T O T A L	\$4,550,000
Stormwater - Equipment T O T A L	\$25,000
Stormwater - Corporate Projects T O T A L	\$4,575,000
TOTAL - Stormwater	\$18,902,000
District Energy - TOTAL	\$1,030,000
TOTAL - District Energy	\$1,030,000
GRANDTOTAL	\$152,497,000

### Capital Budget 2024/25 Water

Project Number	Project Name	Project Cost
	Water - Land	4405.000
3.033	Watershed Land Acquisition	\$125,000
	Water - Land T O T A L	\$125,000
	Water - Transmission	
3.554	North End Feeder Replacement	\$300,000
3.553	Peninsula Intermediate Looping - Quinpool Rd to Young St (Newton Ave 2023)	\$3,246,000
3.559	Lucasville Road Twinning Ph 2	\$200,000
3.436	Pockwock Transmission Main Twinning - WSP to Hammonds Plains Rd	\$200,000
3.399	Cogswell Interchange - Water Tranmission Main Realignments	\$1,830,000
3.744	Lacewood Drive Looping-Geizer 158 Looping (IMP W02)	\$200,000
3.743	Spruce Hill Transmission Main Replacement	\$200,000
3.748	Bayers Road 27 Transmission Main Replacement Connaught Ave to Windsor	\$200,000
3.752	Quinpool Road Transmission Main Upgrades-Quinn St to Beech St (W6.1 and 6.2)	\$100,000
3.571	Highway 118 Crossing - Shubie Park to Dartmouth Crossing	\$2,361,000
3.761	Port Wallace CCC Water Main Oversizing - Benefit to Existing	\$65,000
3.045	Bedford West CCC - Various Phases	\$10,000
3.261	Lakeside Timberlea CCC	\$10,000
3.232	MacIntosh Run Estates - Transmission Main Oversizing	\$120,000
	Water - Transmission T O T A L	\$9,042,000
	Water - Distribution	
3.022	Water Distribution - Main Renewal Program	\$10,400,000
3.067	~ Valves Renewals	\$425,000
3.068	~ Hydrants Renewals	\$75,000
3.069	~ Service Lines Renewals	\$75,000
3.390	Lead Service Line Replacement Program	\$2,000,000
3.296	Water Sampling Station Relocation Program	\$10,000
3.696	Tower Road CN Bridge - Watermain Replacement	\$500,000
3.584	Silversands WSP-Linear Main Extension Cow Bay Rd	\$5,859,000
3.688	Little Salmon River Bridge Watermain Replacement	\$40,000
3.746	Young Avenue CN Bridge-Watermain Replacement	\$100,000
3.751	Lake Major Road Culvert Replacement-Watermain Relocation	\$130,000
3.686	Robie Street Upsizing	\$100,000
3.555	Young Street Upsizing	\$100,000
	Water - Distribution T O T A L	\$19,814,000

# Capital Budget 2024/25 Water

Project Number	Project Name	Project Cost
-	Water - Structures	•
3.601	Control Chamber Valve Replacement Program	\$125,000
3.263	District Metered Areas (DMA) Program	\$100,000
3.623	Booster Station - Building Envelope - Capital Upgrade Program	\$30,000
3.709	White Hills Meter Chamber Replacement	\$300,000
3.701	Leaman Dr. Emergency Booster Station	\$2,130,000
3.719	Geizer 158 - New Reservoir	\$200,000
3.651	Riverside Drive PRV Chamber Replacement	\$40,000
3.589	Aerotech Booster Station Replacement	\$500,000
3.454	Robie Street Reservoir Rehabilitation	\$150,000
3.747	Aerotech Booster Station-Communication System Upgrades	\$300,000
3.508	Beaver Bank Reservoir Rehabilitation	\$3,100,000
3.749	Bedford South Booster Station - New Pump Control Panel	\$150,000
3.750	Topsail Control Chamber - New Diesel Back-up Generator	\$130,000
3.753	Waverley Road PRV CSE Retrofit	\$110,000
3.712	Mount Edward Reservoir #1 Replacement	\$100,000
	Water - Structures T O T A L	\$7,465,000
	Water - Treatment Facilities	
	J D Kline Water Supply Plant:	
3.608	JD Kline WSP - Clearwell, reservoir and storage - WSEP JDK-800.25	\$800,000
	Lake Major Water Supply Plant:	
3.162	Lake Major WSP - Butterfly Valve Replacement Program	\$425,000
3.557	Lake Major WSP - Sludge Drying Beds Improvements	\$350,000
3.755	Lake Major WSP - Low Lift Access Road Gate Upgrade	\$70,000
3.618	Lake Major WSP - Clarification/Pretreatment - WSEP MAJ 800.15	\$550,000
3.619	Lake Major WSP - Intake/low lift Pump Station - WSEP MAJ-800.20	\$519,000
3.621	Lake Major WSP - Filter upgrades - WESP MAJ-800.45	\$382,000
	Bennery Lake Water Supply Plant:	
3.756	Bennery Lake WSP - New High Lift Pump	\$225,000
3.757	Bennery Lake WSP - Replace Process Residual Sludge Pumps	\$40,000
2.724	Non-Urban Core WSP	<b>\$40,000</b>
3.731 3-754	Small Systems - Filter Column Replacement Program Water Supply Plants Asset Renewal and Emergency Repairs	\$10,000
3-690		\$300,000 \$130,000
3-691	WSP Plants - Instrumentation and Controls Equipment Program Pump and Equipment Overhauls Program for WSPs	\$250,000
3.759	Tomahawk Outlet Bridge	\$64,000
3.760	Bennery Lake Road Culvert	\$32,000
3.740	Receiving Environment Assessment - Bomont	\$50,000
3.7 10	Water - Treatment Facilities T O T A L	\$4,197,000
	Water - Energy	Ψ+, 137,000
3.635	Energy Management Capital Program (Water)	\$150,000
3.107	Chamber HVAC Retro-Commissioning Program	\$100,000
	Water - Energy T O T A L	\$250,000
	Water - Equipment	Ψ200,000
3.101	Miscellaneous Equipment Replacement (Water)	\$60,000
3.738	Water Quality Lab Infrastructure	\$60,000
5.750	Water - Equipment T O T A L	\$120,000
	Water - Corporate Projects - T O T A L	\$21,612,000
	GRAND TOTAL - WATER	\$62,625,000
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# Capital Budget 2024/25

### Wastewater

Project Number	Project Name	Project Cost
	Wastewater - Collection System	
2.168	Wastewater System - Trenchless Rehabilitation Program	\$3,000,000
2.504	Collection System Asset Renewal Program	\$150,000
2.357	Manhole Renewals WW	\$60,000
2.358	Lateral Replacements WW (non-tree roots)	\$1,800,000
2.563	Lateral Replacements WW (tree roots)	\$600,000
2.223	Wet Weather Management Program	\$400,000
2.052	Integrated Wastewater Projects - Program	\$1,600,000
2.692	Cogswell Redevelopment - Sewer Relocation	\$1,840,000
2.356	Auburn Avenue PS Elimination	\$60,000
2.1072	Sewer Separation Program	\$200,000
2.836	Wyse Road Separation Phase 1	\$100,000
2.837	Wyse Road Separation Phase 2	\$100,000
2.674	SSP - South Park Street - Sewer Separation	\$4,400,000
2.679	College Street - Sewer Separation	\$250,000
2.107	SSP - Spring Garden Road Pocket	\$250,000
2.982	Young Street Pocket - Sewer Separation - Route to Harbour	\$800,000
2.672	Young Street - Sewer Separation	\$100,000
2.678	Robie Street - Sewer Separation	\$250,000
2.942	North Preston Lateral Connection Rehabilitation	\$100,000
2.830	Eastern Passage RDII Reduction Program FMZ24 - Lake Loon	\$100,000
2.832	Mill Cove RDII Reduction Program FMZ07 & FMZ40 - Lower Sackville	\$500,000
2.833	Mill Cove RDII Reduction Program FMZ10 - Bedford Common	\$50,000
2.834	Ellenvale Area RDII Reduction Program FMZ27	\$100,000
	Wastewater - Collection System T O T A L	\$16,810,000
	<u>Wastewater - Forcemains</u>	
2.1117	ARV Replacement – Eastern Passage Gravity Pressure Sewer	\$130,000
2.608	New Timberlea Pump Station Forcemain System	\$600,000
2.578	Armdale Pumping Station Forcemain Replacement	\$50,000
	Wastewater - Forcemains T O T A L	\$780,000
	Wastewater - Structures	****
2.420	Emergency Pumping Station Pump Replacements	\$300,000
2.442	Wastewater Pumping Station Component Replacement Program - West Region	\$200,000
2.443	Wastewater Pumping Station Component Replacement Program - East Region	\$200,000
2.444	Wastewater Pumping Station Component Replacement Program - Central Region	\$200,000
2.108	Pump Station Quick Connects for Generators and Bypass pumps	\$320,000
2.476	Wastewater Pumping Station Asset Renewal Program	\$300,000
2.1093	Fish Hatchery PS Upgrade	\$815,000
2.92	Herring Cove Pumping Station - Pump Replacements	\$2,900,000
2.111	Farmers PS Temporary Rebuild	\$1,140,000
2.1115	Fall Protection Retro-Fit - Pumping Stations	\$35,000
2.1008	Roach's Pond Pumping Station - New Screen	\$200,000
2.978	Majestic Avenue PS Upgrades	\$200,000
2.1030	Duffus Street Pumping Station - Mechanical & Electrical Upgrades	\$1,500,000
2.740	Duffus Pumping Station Replacement and CSO Modification	\$200,000
2.1032	Pier A Pumping Station - Mechanical Upgrades	\$100,000
2.654	PS Control Panel / Electrical Replacement	\$860,000
2.005	Autoport Pleasant Street PS Replacement	\$5,900,000
2.609	New Timberlea Pumping Station	\$220,000
	Wastewater Structures T O T A L	\$15,590,000

### Capital Budget 2024/25

### Wastewater

Project Number	Project Name	Project Cost
	Wastewater - Treatment Facility	
2.056	Plant Optimization Program	\$150,000
2.522	Emergency Wastewater Treatment Facility equipment replacements	\$600,000
2.668	Wastewater Treatment Research Program Pilot Plant	\$250,000
2.699	HHSPs - Outfall Inspection Program	\$35,000
2.108	WWTF - Bay Door Replacements	\$175,000
2.1078	HHSP WWTFs - Raw Water Pump Variable Frequency Drive (VFD's)	\$230,000
2.1079	HHSP WWTFs - Polymer Batching System Replacement - Phase 1 Scoping	\$60,000
2.1080	HHSP WWTFs - Air Quality Improvement Project (Internal) - Phase 1 Scoping	\$60,000
2.1081	HHSPs - Critical Spares Program 2024-2028	\$250,000
	Halifax WWTF	
2.506	Halifax WWTF - Asset Renewal Program	\$775,000
2.765	Halifax WWTF - Raw Water Pump Refurbishment	\$65,000
2.1083	Halifax WWTF - Female Locker Room	\$50,000
2.1084	Halifax WWTF - Wetwell Hatch Modifications	\$90,000
2.1085	Halifax WWTF - Grit Discharge Line Replacement	\$100,000
2.1086	Halifax WWTF - Coarse Climber Screen Replacement & Main Gate Isolation – Phase 1 Scoping	\$60,000
	Dartmouth WWTF	
2.507	Dartmouth WWTF - Asset Renewal Program	\$150,000
2.790	Dartmouth WWTF - Fournier Press - Sludge Dewatering Upgrade	\$1,200,000
2.8760	Dartmouth WWTF - Raw Water Pump Refurbishment Program	\$65,000
2.7880	Dartmouth WWTF - UV Disinfection System - New Modules and PLC Upgrade	\$5,000,000
2.1087	Dartmouth WWTF - Outfall Liner and Multiport Diffuser Repair	\$150,000
2.1088	Dartmouth WWTF - Odour Control Damper Replacement	\$200,000
2.1089	Dartmouth WWTF - Forklift Replacement	\$60,000
	Herring Cove WWTF	
2.5080	Herring Cove WWTF - Asset Renewal Program	\$150,000
2.1090	Herring Cove WWTF - Hatchway (Hoistway) Cover Replacement	\$75,000
2.1091	Herring Cove WWTF - Boiler room mechanical ventilation and Basement Electrical (Phase 1 Scoping)	\$25,000
	Mill Cove WWTF	
2.505	Mill Cove WWTF - Asset Renewal Program	\$100,000
2.903	Mill Cove WWTF - Dewatering - Centrifuge Rebuild Program	\$35,000
2.110	Mill Cove WWTF - UV AC Unit Replacements	\$25,000
2.1100	Mill Cove WWTF - Replacement Gas Booster	\$45,000
2.1101	Mill Cove WWTF - Wet Well Wizards (x2)	\$70,000
2.1101	Eastern Passage WWTF	ψ10,000
2.907	Eastern Passage WWTF - Centrifuge Rebuild	\$50,000
2.908	Eastern Passage WWTF - UV Bank Rebuilds	\$15,000
2.1095	Eastern Passage WWTF - Ov Bank Rebuilds  Eastern Passage WWTF - Primary Clarifier Refurbishment Program	\$160,000
2.1096	Eastern Passage WWTF - Return Activated Sludge Pump Refurbishment Program	\$50,000
2.1097	Eastern Passage WWTF - Headworks Duct Replacement	\$80,000
2.1097	Eastern Passage WWTF - Scum Pump Refurbishment Program	\$20,000

# Capital Budget 2024/25

### Wastewater

Project Number	Project Name	Project Cost
	Aerotech WWTF	
2.667	Aerotech WWTF - Asset Renewal Program	\$75,000
2.1102	Aerotech WWTF - Caustic Tank Cleaning	\$20,000
2.1103	Aerotech WWTF - Lagoon Cleaning and Rehabilitation	\$1,500,000
2.1104	Aerotech WWTF - Central Hatch for Sludge Tank	\$50,000
	Timberlea WWTF	
2.509	Timberlea WWTF - Asset Renewal Program	\$50,000
2.1092	Timberlea WWTF - Grit Gearbox Elevated Walkway	\$50,000
2.1094	Timberlea WWTF - Female Locker Room	\$30,000
	Community WWTFs	
2.1107	Fall River WWTF - Replace EQ Pumps	\$45,000
2.1110	Fall River WWTF - Blower Replacement	\$120,000
2.1113	Fall River WWTF - Ventilation and Lighting Upgrade	\$25,000
2.1108	Middle Musquodoboit WWTF – Replace WWTF LS Control Panel and SCADA Panel	\$90,000
2.1109	Frame WWTF - Generator with ATS	\$70,000
2.1111	North Preston WWTF - Replace Factory Talks with VTScada- Phase 1 Scoping	\$15,000
	Biosolids Processing Facility	
2.126	Biosolids Processing Facility - Asset Renewal Program	\$50,000
2.919	Biosolids Processing Facility - Gas Sensor Upgrade Program	\$15,000
2.1105	Biosolids Processing Facility - Stairs in LBB Pit - Eliminate Confined Space	\$30,000
2.111	Biosolids Processing Facility - Bio-Filter Media Replacement	\$100,000
	Wastewater - Treatment Facility T O T A L	\$13,010,000
	Wastewater - Energy	
2.362	Energy Management Capital Program (Wastewater)	\$500,000
2.491	Pump Station HVAC Retro-Commissioning Program	\$200,000
2.1075	Wastewater Heat Recovery Study	\$100,000
	Wastewater - Energy T O T A L	\$800,000
	Wastewater - Equipment	
2.161	I&I Reduction (SIR) Program Flow Meters and Related Equipment	\$25,000
2.1038	FOG software	\$50,000
2.1041	Two new fridge / sampling units	\$10,000
2.451	Miscellaneous Equipment Replacement	\$120,000
2.1021	Trenchless Lining Equipment	\$320,000
2.1116	Odour Control Dosing Systems - Central Operations	\$50,000
	Wastewater - Equipment T O T A L	\$575,000
	Wastewater - Corporate Projects T O T A L	\$22,375,000
	GRAND TOTAL - WASTEWATER	\$69,940,000

## Capital Budget 2024/25 Stormwater

Project Number	Project Name	Project Cost
	Stormwater - Pipes	
1.108	Stormwater Pipe Asset Renewal Program	\$300,000
1.038	Integrated Stormwater Projects - Program	\$1,200,000
1.102	Manhole Renewals SW Program	\$21,000
1.103	Catchbasin Renewals SW Program	\$63,000
1.135	Lateral Replacements SW Program	\$18,000
1.145	Sullivan's Pond Storm Sewer System Replacement - Phase 2 Irishtown Rd to Harbour	\$6,220,000
1.188	Cogswell Redevelopment - SW Sewer Relocation	\$1,930,000
	Stormwater - Pipes T O T A L	\$9,752,000
	Stormwater - Culverts/Ditches	
1.104	Driveway Culvert Replacement Program	\$1,200,000
1.279	Cross Culvert Replacement Program - Field Investigation & Operations Replacements	\$100,000
1.288	Cross Road Culvert Replacement Program - Engineering Design	\$100,000
1.109	Cross Culvert Renewal Program	\$200,000
1.109	154 Kaye Street	\$350,000
1.109	6771 St,Margaret's bay Road	\$375,000
1.109	121 Jamieson Drive	\$400,000
1.109	Hammonds Plains Road (Stillwater Lake area)	\$450,000
1.109	139 Ferguson's Cove Road	\$200,000
1.109	26 Foster Avenue	\$200,000
1.109	103 Southwood	\$75,000
1.109	2884 Lawrencetown Road	\$400,000
1.109	519 Old Sackville Road	\$300,000
1.109	23 Old Post Road	\$200,000
	Stormwater - Culverts/Ditches T O T A L	\$4,550,000
	Stormwater - Equipment	
1.318	Excavator Mulching Head	\$25,000
	Stormwater - Equipment T O T A L	\$25,000
	Stormwater - Corporate Projects T O T A L	\$4,575,000
	GRAND TOTAL - STORMWATER	\$18,902,000

## Capital Budget 2024/25 Corporate Projects

Project	Project Name	Project Cost
Number		
	Corporate - Information Technology	
4.314	Organizational PMO Strategy and Governance	\$400,000
4.105	Cityworks Upgrade	\$50,000
4.206	Cayenta Upgrades	\$200,000
4.255	General IT System Upgrades	\$500,000
4.208	DA3 – Program & Project	\$800,000
4.218	EE- ITSM Process	\$500,000
4.219	EE - Electrical Safety Program	\$100,000
4.222	Case Management	\$350,000
4.228	Enterprise Architecture	\$250,000
4.231	Detection Equipment SCADA Wan Update	\$150,000
4.232	Strategic Planning Business Cases	\$150,000
4.239	TS Work Tracking	\$150,000
4.261	Electrical Planned Maintenance Program	\$450,000
4.265	EMIS Replacement Project	\$50,000
4.280	CCFN version 5.5 with ISM	\$350,000
4.283	Digital Twin - Virtual Facility Tours	\$100,000
4.262	Enterprise Risk Management	\$400,000
4.263	Business Continuity Management	\$400,000
4.288	PASS Project	\$500,000
4.289	E-Signature Project	\$300,000
4.205	Workspaces	\$960,000
4.284	IS Equipment Replacement	\$700,000
4.295	CAD/BIM	\$75,000
4.294	Cityworks Strategy & Governance Model	\$100,000
4.309	Pollution Prevention Inspection	\$400,000
4.311	Technical Services Capital Tools	\$300,000
4.303	Teams Records	\$960,000
4.264	Cradlepoint deployment project	\$250,000
4.281	Contract Management and Vendor Performance	\$250,000
4.286	Data Quality Tool and Process	\$670,000
4.287	VIP- Recruitment	\$500,000
4.259	Health and Safety	\$50,000
4.012	Network Upgrades	\$280,000
4.195	New Service Account Compliance Program	\$500,000
3.602	Control Chamber - Electrical Panel Replacement Program	\$60,000
4.189	Central Spread Spectrum Radio Network Replacement Program	\$150,000
4.191	ICS Cyber-Security Enhancements	\$100,000
4.192	PI System Enhancements	\$250,000
4.193	AMI Communications Upgrade	\$150,000
4.19	SCADA Equipment Renewals	\$200,000
4.306	SCADA Alarm Management	\$50,000
4.040	GIS Data Program	\$150,000
4.105	GIS/Cityworks Upgrade Program	\$50,000
4.01	Service Gap Project	\$250,000
4.293	Ditch Inventory Build	\$100,000
4.302	Aerial Imagery Acquisition	\$250,000
4.301	CAD/Electrical Drawing	\$25,000
4.297	Emergency Management Office	\$50,000
4.038	GIS Hardware/Software Program	\$50,000
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### Capital Budget 2024/25 Corporate Projects

Project	Project Name	Project Cost
Number	1 Toject Name	1 Toject oost
4.296	Get the Lead Out Program (El Support)	\$100,000
4.299	PUCA Hot Sheet Integration	\$25,000
4.300	ArcMap to ArcGIS Pro Migration	\$50,000
4.313	Standardize P&ID's for Vertical Assets	\$100,000
	Corporate - Information Technology T O T A L	\$14,305,000
	Corporate - Asset Management	
4.020	Asset Management Program Development	\$100,000
2.872	Wastewater Sewer Condition Assessment	\$505,000
1.254	Storm Sewer Condition Assessment	\$215,000
2.043	Corporate Flow Monitoring Program	\$2,600,000
4.158	Condition Assessment Program	\$500,000
4.163	Annual Asset Management Plan Update	\$20,000
4.165	Asset Management Awareness Program	\$20,000
4.113	Climate Change Management Program	\$200,000
4.17	Integrated Resource Plan Update	\$1,250,000
4.308	Growth Servicing Strategy	\$125,000
2.1074	SSO and CSO Management Program	\$257,000
3.644	Water Efficiency Strategy	\$80,000
	Corporate - Asset Management T O T A L	\$5,872,000
	Corporate - Facility	
4.187	Burnside Operations Centre	\$23,300,000
4.077	Building Capital Improvements	\$600,000
3.221	Energy Management Capital Program	\$150,000
4.304	Solar PV Facility Assessment Study	\$50,000
4.009	Security Upgrade Program	\$240,000
	Corporate - Facility T O T A L	\$24,340,000
	Corporate - SCADA & Other Equipment	
4.154	Customer Meters - New and Replacement	\$400,000
	Corporate - SCADA & Other Equipment T O T A L	\$400,000
	Corporate - Fleet	
4.006	Fleet Upgrade Program Stormwater	\$539,000
4.006	Fleet Upgrade Program Wastewater	\$2,156,000
4.007	Fleet Upgrade Program Water	\$950,000
	Corporate - Fleet T O T A L	\$3,645,000
	GRAND TOTAL - Corporate Projects	\$48,562,000
	ALLOCATION PREAKDOWN.	
	ALLOCATION BREAKDOWN:	<b>#04.040.000</b>
	Water - Corporate Projects - T O T A L	\$21,612,000
	Wastewater - Corporate Projects T O T A L	\$22,375,000
	Stormwater - Corporate Projects T O T A L	\$4,575,000
	GRAND TOTAL - Corporate Projects	\$48,562,000

## Capital Budget 2024/25 District Energy

Project Number	Project Name	Project Cost
	<u>District Energy</u>	
4.307	Cogswell DES - Cogswell Street Extension	\$1,000,000
4.312	District Energy Data Model	\$30,000
	District Energy T O T A L	\$1,030,000
	GRAND TOTAL - DISTRICT ENERGY	\$1,030,000