

**TOWN OF COBOURG
CAPITAL BUDGET 2024 - 2026**

ENVIRONMENTAL

PROJECT DESCRIPTION	2024 CAPITAL BUDGET			2025		2026	
	TOTAL COST	REVENUE	NET COST	TOTAL	NET	TOTAL	NET
Water Pollution Control Plants							
Sweep Arm - North Secondary - (P1)	300,000	-300,000	0	0	0	0	0
Digester Mixing Pumps (2) - (P1)	150,000	-150,000	0	0	0	0	0
Guiderrails	50,000	-50,000	0	0	0	0	0
Alum Flow Meters - (P2)	15,000	-15,000	0	0	0	0	0
Ozone Upgrades - (P1)	400,000	-400,000	0	0	0	0	0
Alum Pumps (3) - (P2)	75,000	-75,000	0	0	0	0	0
Case Backhoe / Loader Replacement	60,000	-60,000	0	0	0	0	0
WAS Pump #2	30,000	-30,000	0	0	0	0	0
McGill Pump Station Pump #2 Replacement	150,000	-150,000	0	0	0	0	0
SBR #1 Rehabilitation - (P2)	0	0	0	500,000	0	0	0
Truck Replacement	0	0	0	80,000	0	0	0
McGill Pump Valve/Piping Replacement	0	0	0	0	0	200,000	0
Plant #2 Expansion - Engineering	0	0	0	0	0	300,000	0
Grit Clam Bucket and Overhead Crane Repl - (P2)	0	0	0	0	0	350,000	0
Electrical Upgrades	0	0	0	0	0	75,000	0
Primary Clarifier Drives - (P2)	0	0	0	0	0	500,000	0
Total Environmental	1,230,000	-1,230,000	0	580,000	0	1,425,000	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2440013

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The steel sweep arm and center column on the North Secondary Clarifier at Plant #1 is badly corroded and requires replacement. The sweep arm is original equipment from 1969 (55 years old). Public Consultation Process No		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Sweep Arm - North Secondary Clarifier (Plant #1)	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
2. COMMITMENTS MADE:			
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	300,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	300,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2440033

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: As part of the facility assessments, CIMA identified several areas of the facilities where additional safety railings are required to meet the OHS Regulations.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Guiderails	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	50,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	50,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2440043

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: Liquid aluminum sulfate (i.e. alum) is pumped into the effluent to remove excess phosphorus. The present system pumps alum consistently and is set up to maintain phosphorus levels during "Peak" flow. This means that during the night when Plant flow drops considerably, much more alum is being delivered than is necessary to maintain the ECA limit for phosphorus. Adding flow meters will allow the SCADA system adjust the alum flow to match Plow flow. This reduction could save the facility thousands of dollars annually in wasted alum. Public Consultation Process No		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Alum Flow Meters - Plant #2	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
2. COMMITMENTS MADE:			
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	2024	2025	2026
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	15,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2440053

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: Alum is used to remove excess phosphorus from the Plant Effluent. The pumps at Plant #2 are the originals from 1984 and need replacing.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Alum Pumps (3) - Plant #2	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	75,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	75,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2440063

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The existing backhoe was purchased in 2002 (22 years old). Environmental Services purchased it used from the Road & Sewers Department in 2015. The backhoe is used to maintain the drying bed, conduct landscaping and to lift/move heavy equipment. The backhoe is used regularly and several expensive parts are worn out. The cost of repairs are no longer worthwhile. Roads backhoe unit 32-14 is nearing the end of its 12 year useful life and would be best value for both departments for ES to purchase unit 32-14 since it is utilized for much lighter duty and will last many more years. Public Consultation Process No		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Case Backhoe/Loader Replacement			
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	60,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	60,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2340113

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The Waste Activated Sludge wetwell Pump #2 is over 30 years old and in need of replacement. Pump #1 was replaced in 2023. Pump #2 needs to be replaced in 2024. Public Consultation Process No		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION WAS Pump #2			
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	30,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	30,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT # 2340023

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The McGill Pump Station is the Town's largest sanitary pump station. It employs three (3) Xylem pumps that move an average of over 2,000 m3/day. In 2020, Pump #3 was replaced and in 2023 Pump #1 was replaced. Pump #2 was refurbished in 2020 and expected to last until 2025. However, Pump #2 is failing prematurely and will need to be replaced in 2024. Public Consultation Process No		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION McGill Pump Station Pump #2 Replacement			
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	150,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	150,000	0	0
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The new SBR is expected to be commissioned in 2024. This will allow the old SBR to be taken out of service for a much needed upgrade. The aeration cell will need to be drained and cleaned. The coarse bubble diffusers will be replaced with high-efficiency fine bubble diffusers. Plumbing and decanter will be replaced.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION SBR #1 Rehabilitation - Plant #2	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		500,000	
6. NET REQUIREMENTS:	0	500,000	0
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER		-500,000	
7. ANNUAL TAX REQUIREMENT	0	0	0

**TOWN OF COBOURG
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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: Truck #13 was due to be replaced in 2021 but repairs have allowed it to be kept in service for 4 additional years.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Truck Replacement	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		80,000	
6. NET REQUIREMENTS:	0	80,000	0
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER		-80,000	
7. ANNUAL TAX REQUIREMENT	0	0	0

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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The McGill Pump Station was upgraded in 2002 and moves more sewage per day than all of the other sanitary pump stations combined. The pumps have been replaced in recent years, however, the piping, valves and surge protector are original equipment (23 yrs old) and need to be replaced. The dampness and sewer gases shorten the lifespan of metal pipes/valves considerably.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION McGill Pump Station Valve/Pipe Replacement	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			200,000
6. NET REQUIREMENTS:	0		200,000
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER			-200,000
7. ANNUAL TAX REQUIREMENT	0	0	0

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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: Area C (Brook Rd North) is currently being developed and the expansion of Plant #2 will be necessary to handle the additional sewage generated from the new housing in this area. Funding is needed to cover the Engineering costs.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Plant #2 Expansion - Engineering	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			300,000
6. NET REQUIREMENTS:	0	0	300,000
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER			-300,000
7. ANNUAL TAX REQUIREMENT	0	0	0

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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: The existing grit removal system at Plant #2 needs to be upgraded. The blowers, clam bucket and monorail are all original equipment (31 years old). If the grit removal system is not going to be part of the Plant #2 expansion, it will be necessary to be replace the existing system by 2026.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Grit Clam Bucket and Overhead Crane Replacement - Plant #2	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			350,000
6. NET REQUIREMENTS:	0	0	350,000
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER			-350,000
7. ANNUAL TAX REQUIREMENT	0	0	0

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5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION: Condition assessments noted several locations in the two Treatment Plants and Pump Station where the electrical systems require upgrades. The amount of capital money requested will go toward the replacement of as much of the electrical system as can be changed out with the limits of the approved funds. Additional capital will be requested in 2027 for any electrical upgrades that could not be completed with the funds available in 2026.		
DEPARTMENT: Environmental Services			
1. PROJECT NAME & DESCRIPTION Electrical Upgrades	Public Consultation Process No		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2024	2025	2026
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			75,000
6. NET REQUIREMENTS:	0	0	75,000
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER			-75,000
7. ANNUAL TAX REQUIREMENT	0	0	0

