ENVIRONMENTAL

	2022	CAPITAL BUD	GET	202	23	20	24
PROJECT DESCRIPTION	TOTAL COST	REVENUE	NET COST	TOTAL	NET	TOTAL	NET
Water Pollution Control Plants							
Archimedes Pump Repairs (P1)	50,000	-50,000	0	0	اه	0	
Thickener Tank Repairs	250,000	-250,000	0	0	0	ő	
Generator (P2)	350,000	-350,000	0	ol	o	0	
Raw Sewage Pump (P2)	200,000	-200,000	0	o	0	0	
Automated Bar Screen (P1)	200,000	-200,000	0	0	0	0	
Blower (P1)	200,000	-200,000	0	0	0	0	
Raw Sewage Pump (P2)	35,000	-35,000	0	О	О	О	
Forth Street Pump Station Upgrade	150,000	-150,000	0	300,000	О	o	
Monks Cover Pump Station Upgrade	150,000	-150,000	0	0	0	300,000	
Spill Cleanup Trailer	15,000	-15,000	0	0	0	0	
Portable Pump	75,000	-75,000	0	0	0	o	
Upgrade Gas Train (P2)	200,000	-200,000	0	О	О	О	
Heat Exchanger Replacement (P1)	l ol	0	0	200,000	0	o	
Security Gates (P1 and P2)	0	0	0	200,000	0	0	
Archimedes Pump (P1)	0	0	0	200,000	0	0	
HX Pump (P2)	0	0	0	30,000	О	o	
Digester Mix Pump (P2)	0	0	0	30,000	О	o	
WAS Pumps (P2)	0	0	0	70,000	О	o	
Boiler Replacement (P2)	0	0	0	0	0	250,000	
Electrical (P2)	0	0	0	0	0	250,000	
Alum Feed Pumps (P2)	0	0	0	0	0	75,000	
Aerated Grit Chamber (P2)	0	0	0	0	0	250,000	
Primary Clarifier (P2)	0	0	0	0	0	250,000	
Truck Replacement	0	0	0	0	0	35,000	
otal Environmental	1,875,000	-1,875,000	0	1,030,000	0	1,410,000	

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	STIFICATION:				
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Archimedes Pump Repairs - Plant #1	to last 6 - 7 years. The bear on the North Pump failed in bearings on the South Pum	The upper and lower bearings of the Archimedes (Screw) Pumps are only expeto last 6 - 7 years. The bearings at Plant #1 are now 13 years old. The bearing on the North Pump failed in 2021 and required emergency replacement. The bearings on the South Pump are the same age and are likely to fail as well if the are not replaced soon. The gear box is original and also needs to be replaced.				
	Public Consultation Process	No				
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:				
	2022	2023	2024			
5. EXPENDITURES						
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	50,000					
6. NET REQUIREMENTS:	50,000	0	0			
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	-50,000					
7. ANNUAL TAX REQUIREMENT	0	0	0			

5 YEAR CAPITAL BUDGET JUSTIFICATION

ACCOUNT #					
DIVISION: Public Works	3. PROJECT DETAIL & JU	STIFICATION:			
PROJECT NAME & DESCRIPTION Thickener Tank Repairs	The Thickener Tank is used to concentrate microbial waste from the aerobic section of the treatment system. The sludge rake, skimmer & center draft tube have already failed due to corrosion and the tank has been taken out of service. These components need to be replaced in order to bring the thickener back into operation. Without the thickener, the plant is operating at a reduced capacity and causes other processes to have to work harder and potentially fail earlier. Public Consultation Process No				
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:			
	2022	2023	2024		
5. EXPENDITURES					
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	250,000				
6. NET REQUIREMENTS:	250,000	0	0		
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	-250,000				
7. ANNUAL TAX REQUIREMENT	0	0	0		

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Backup Power Generator - Plant #2	3. PROJECT DETAIL & JUSTIFICATION: The backup power generator at Plant #2 began experiencing malfunctions severally years ago but was able to be repaired. While the generator is currently operating satisfactorily, servicing costs are increasing and new parts are no longer available due the age of the generator (38 years old). It is recommended that a new diesel power backup generator be purchased for Plant #2. The new generator should be upgraded from 300 to 600 kW to accommodate the new SBR and upcoming Plant expansion. Public Consultation Process				
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:			
	2022	2023	2024		
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	350,000				
6. NET REQUIREMENTS: TO BE FINANCED FROM:	350,000	0	0		
DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	-350,000		0		

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	STIFICATION:				
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Raw Sewage Pump (3rd of 3) - Plant #2	the systematic replacement below 50%. One of the pun Replacement of the third pu	The raw sewage pumps at Plant #2 were all original equipment from 1984. In 2 the systematic replacement of the pumps became necessary when efficiency for below 50%. One of the pumps was replaced in 2019 and another in 2020. Replacement of the third pump will allow Plant #2 to handle additional flows from second SBR (online in Q4/2022) & new subdivisions in the east end.				
	Public Consultation Process	No				
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE (OPERATING BUDGETS:				
	2022	2023	2024			
5. EXPENDITURES						
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	200,000					
6. NET REQUIREMENTS:	200,000	0	0			
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	-200,000					
7. ANNUAL TAX REQUIREMENT	0	0	0			

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU During high flow events, the	_	creen cannot keep up with the			
DEPARTMENT: Environmental Services	flow volume and the emerge holds a 20 mm bar screen t	ency gate to the spare chant hat must be manually cleane	nel opens. The spare channel ed. If an alarm call is received			
1. PROJECT NAME & DESCRIPTION			re an Operator can respond.			
Automated 9 mm Bar Screen - Plant #1	the lower level. Automating	This leads to raw sewage overflowing the upper channel and spilling onto the floor of the lower level. Automating the screen will keep the sewage flowing and reduce the need for an Operator response.				
	Public Consultation Process	3	No			
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE (OPERATING BUDGETS:				
	2022	2023	2024			
5. EXPENDITURES						
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	200,000					
6. NET REQUIREMENTS:	200,000	0	0			
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	-200,000					
7. ANNUAL TAX REQUIREMENT	0	0	0			

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVIDIONI DELLE MARIE DE LE COMPTE DE LA MARIE DELLE DE LA MARIE DELLE D					
DIVISION: Public Works	3. PROJECT DETAIL & JU	STIFICATION:			
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Atlas Copco Blower - Plant #1	Plant #1 replaced one of its three Aeration Blowers in 2018. The reduced electricity consumption of the new blower reduced the facilities electrical expenses by ~\$100,000 annually. The single Atlas Copco blower has been operating almost continuously since its installation. Adding a second blower will allow cycling between two blowers and permit preventative maintenance without having to operate one of the less efficient HSI blowers. Public Consultation Process				
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:			
	2022	2023	2024		
5. EXPENDITURES					
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	200,000				
6. NET REQUIREMENTS:	200,000	0	0		
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	-200,000				
7. ANNUAL TAX REQUIREMENT	0	0	0		

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JUSTIFICATION:				
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Return Activated Sludge (RAS) Pump - Plant #2	The RAS pumps at Plant #2 were all original equipment installed in 1984. Two have already been replaced and this will be the third and final RAS pump to be replaced at Plant #2.				
2. COMMITMENTS MADE:	Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:				
	2022	2023	2024		
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	35,000				
6. NET REQUIREMENTS: TO BE FINANCED FROM:	35,000	0	0		
DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	-35,000 0		0		

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU		d is the oldest of the Town's five			
DEPARTMENT: Environmental Services	sanitary Pump Stations. Th	The Forth St Pump Station was constructed in 1953 and is the oldest of the Town's five sanitary Pump Stations. The bricks are deteriorating, the pumps and piping require				
PROJECT NAME & DESCRIPTION Forth St Pump Station Upgrade	whether the station needs to (adjacent to Forth St Wetwo tanks). CIMA to conduct as Pump Station and make rec	replacement and the location and its capacity needs to be re-evaluated to determine whether the station needs to be moved further south to combine the Lakeview wetwo (adjacent to Forth St Wetwell) and capture the Cedermere/Tay area (currently on se tanks). CIMA to conduct assessment and make recommendations on upgrades to the Pump Station and make recommendations on upgrades to the Pump Station and the necessary upgrades will be tendered in 2023.				
2. COMMITMENTS MADE:	Public Consultation Process 4. EFFECTS ON FUTURE		Yes			
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:				
	2022	2023	2024			
5. EXPENDITURES						
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	150,000	300,000				
6. NET REQUIREMENTS:	150,000	300,000	0			
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	-150,000	-300,000				
7. ANNUAL TAX REQUIREMENT	0	0	0			

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:			
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Monk Cove Pump Station Upgrade	The Monks Cover Pump Station itself is in good condition. The wetwell however require new grating and larger capacity pumps. New homes are being added to the collection system feeding the Monks Cover Pump Station, so pump capacity may become an issue. CIMA has been hired to assess the needs of the station and provide recommendations. Based upon the assessment conducted by CIMA in 2022, the necessary upgrades will be tendered and implemented in 2024. Public Consultation Process				
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:			
	2022	2023	2024		
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	150,000		300,000		
6. NET REQUIREMENTS:	150,000	0	300,000		
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	-150,000 0		-300,000		

5 YEAR CAPITAL BUDGET JUSTIFICATION

DEPARTMENT: Environmental Services Environmental spills occur unexpectantly & require a rapid response to mitigat to the environment. Purchasing a small trailer and stocking it with a full array. In PROJECT NAME & DESCRIPTION Spill Cleanup Trailer Spill Cleanup Tools and equipment for local sampling, that can be moved in proximity to the spill on the environment. ~14' enclose Cost will include racks and equipment for Spill Spil	
2022 2023 2024	of spill orbents and oill site. response
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER 6. NET REQUIREMENTS: 15,000 0	
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER 6. NET REQUIREMENTS: 15,000 15,000 0	
CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER 6. NET REQUIREMENTS: 15,000 0	
TO BE FINANCED FROM:	0
DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT 0 0	0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	STIFICATION:		
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Portable Pump 2. COMMITMENTS MADE:	During the construction of the Tertiary Filter Building at Plant #1 in 2009, a surplus pump (i.e. 8" Gorman Rupp Trash Pump) was included in the contract but was not used in the final design. Rather than allow a new pump to sit idle, it is proposed that the pump be mounted on a trailer, coupled with a generator and used as a portable pump. A pump of this size would be ideal for pumping down tanks at the Wastewate Treatment Plants. Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:			
	2022	2023	2024	
5. EXPENDITURES				
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	75,000			
6. NET REQUIREMENTS:	75,000	0	0	
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	-75,000 0		0	

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Upgrade Gas Train - Plant #2	A TSSA inspection of the Digester Building at Plant #2 in 2021 revealed several aspects of the gas train that did not meet the current Gas Code. The gaskets, piping, drip traps, thermal valves and flame arresters all need to be upgraded. Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:		
2. COMMITMENTS MADE:			
	2022	2023	2024
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER	200,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM:	200,000	0	0
DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	-200,000		0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Heat Exchanger - Plant #1 2. COMMITMENTS MADE:	Sludge from the Primary Digester must be heated to 35 C to provide ideal growth conditions for the anaerobic microorganisms. The Heat Exchanger at Plant #1 has reached its useful life and needs to be replaced. The 2014 Asset Management Plaidentified its replacement date as 2018. When heat exchangers fail, sludge cannot be digested which is necessary in order to spread sludge on farmers fields. Undigested sludge is very expensive to dispose of. Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2022	2023	2024
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		200,000	
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER	0	-200,000	
7. ANNUAL TAX REQUIREMENT	0	0	0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Security Gates - Plants 1 & 2	The front gates at both Wastewater Treatment facilities are in dark, isolated areas. Operators have to leave the safety of their vehicles to lock/unlock the gates, often in darkness. Installation of electronically-controlled power gates will provide safer entry/exit to the from the facilities. A proper security gate will also permit electronic tracking of all personnel in/out facility. When driveways are redone at the plants, ideally this is when the gates are installed. Public Consultation Process		
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2022	2023	2024
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		200,000	
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer	0	-200,000	
OTHER 7. ANNUAL TAX REQUIREMENT	0	0	0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:		
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Archimedes (Screw) Pump - Plant #1	Archimedes Pumps in use a 2008 and 2009. Once thes used due to its efficiency. F	This pump has been in place since 1969 (53 years). It is the third of three Archimedes Pumps in use at Plant #1. The other two pumps were replaced in 2008 and 2009. Once these pumps were installed, the third pump has rarely b used due to its efficiency. Replacement of this third pump has become necess to sustain the Plants flow capacity whenever the other pumps are taken out of service for maintenance.		
	Public Consultation Process		No	
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:		
	2022	2023	2024	
5. EXPENDITURES				
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		200,000		
6. NET REQUIREMENTS:	0	200,000	0	
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER		-200,000		
7. ANNUAL TAX REQUIREMENT	0	0	0	

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Heat Exchanger Pump - Plant #2	The pump is 25 years old and is in need of replacement. It is one of several at Plant #2 that are reaching the end of their life expectancy and need to be replaced prior to failing. Waiting until this pump actually fails would create operational difficulties for the facility and may lead to a violation of the Plant's (Environmental Compliance Approval).		
2. COMMITMENTS MADE:	Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2022	2023	2024
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		30,000	
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer	0	30,000	
OTHER 7. ANNUAL TAX REQUIREMENT	0		

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:		
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Digester Mixing Pump - Plant #2	at Plant #2 that are reaching replaced prior to failing. Wa operational difficulties for th	This pump is 25 years old and is in need of replacement. It is one of several at Plant #2 that are reaching the end of their life expectancy and need to be replaced prior to failing. Waiting until this pump actually fails would create operational difficulties for the facility and may lead to a violation of the Plant's (Environmental Compliance Approval).		
2. COMMITMENTS MADE:	Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:			
	2022	2023	2024	
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER		30,000		
6. NET REQUIREMENTS: TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer	0	30,000		
OTHER 7. ANNUAL TAX REQUIREMENT	0			

5 YEAR CAPITAL BUDGET JUSTIFICATION

	e (WAS) numps are used to		
The Waste Activated Sludge (WAS) pumps are used to either recycle back in the Aeration Tanks or remove them from the system by discharging it into the Primary Clarifiers. There are two (2) WAS pumps that are original equipment 1984 (40 years old) and need to be replaced.			
2022	2023	2024	
	70,000		
0	70,000	0	
	Primary Clarifiers. There at 1984 (40 years old) and new Public Consultation Process 4. EFFECTS ON FUTURE 2022	Primary Clarifiers. There are two (2) WAS pumps that a 1984 (40 years old) and need to be replaced. Public Consultation Process 4. EFFECTS ON FUTURE OPERATING BUDGETS: 2022 2023 70,000	

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Boiler Replacement - Plant #2	The Clever Brooks Boiler was the original installed at Plant #2 in 1984 (40 yrs. of In 2003, Plant #2 added a second Anaerobic Digester but did not increase the boiler capacity. The boiler requires replacement due to its age but should be upgraded to a capacity better able to handle the added volume of the second digester.		
2. COMMITMENTS MADE:	Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:		
	2022	2023	2024
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			250,000
6. NET REQUIREMENTS:	0	0	250,000
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	0	0	-250,000 0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:		
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Electrical Upgrades	be upgraded to current star specified replacement in 20 electrical systems were still where replacement is neces upgrade is being prioritized	The motor control centers and wiring from the initial construction in 1984 need to be upgraded to current standards. The Watson Full Cost Recovery Report specified replacement in 2009, however, annual inspections indicated that electrical systems were still adequate. The MCC's and wiring are now at an age where replacement is necessary. Due to the scope of this undertaking this upgrade is being prioritized and upgraded in phases beginning in 2024.		
2. COMMITMENTS MADE:	Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:		NO	
	2022	2023	2024	
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			250,000	
6. NET REQUIREMENTS:	0	0	250,000	
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	0	0	-250,000 0	

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Alum Feed Pumps (3)	Alum is pumped into the wastewater stream to remove phosphorus, which is a restricted pollutant specified in the Plant #2 Environmental Compliance Approv (ECA). The existing alum feed pumps are due for replacement. There are (2) duty and one (1) standby pump to be replaced. Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:		
2. COMMITMENTS MADE:			
	2022	2023	2024
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 7. ANNUAL TAX REQUIREMENT	0	0	-75,000 0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	ISTIFICATION:	
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Aerated Grit Chamber - Plant #2	The Aerated Grit Chamber at Plant #2 was part of the original installation in 1984. The Plant flow has increased to a level where the Aerated Grit Chamber capacity is insufficient to adequately remove the grit. As more subdivisions are tied into the Plant #2 sanitary collection system, the need to upgrade the grit removal system becomes more critical. Given the physical limitations of the current system, it will be necessary to alter the concrete infrastructure to increase its volume or tied it in to an off-line, stand alone grit classifier.		
2. COMMITMENTS MADE:	Public Consultation Process 4. EFFECTS ON FUTURE		No
	2022	2023	2024
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			250,000
6. NET REQUIREMENTS:	0	0	250,000
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER 7. ANNUAL TAX REQUIREMENT	0	0	-250,000 0

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	STIFICATION:		
DEPARTMENT: Environmental Services	The Primary Clarifier's mechanical sweep arms and center column are 40 years old and need to be replaced.			
1. PROJECT NAME & DESCRIPTION	·			
Primary Clarifier - Plant #2				
	Public Consultation Process		No	
2. COMMITMENTS MADE:	4. EFFECTS ON FUTURE	OPERATING BUDGETS:		
	2022	2023	2024	
5. EXPENDITURES				
CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			250,000	
6. NET REQUIREMENTS:	0	0	250,000	
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Sewer OTHER			-250,000	
7. ANNUAL TAX REQUIREMENT	0	0	0	

5 YEAR CAPITAL BUDGET JUSTIFICATION

DIVISION: Public Works	3. PROJECT DETAIL & JU	3. PROJECT DETAIL & JUSTIFICATION:		
DEPARTMENT: Environmental Services 1. PROJECT NAME & DESCRIPTION Truck Replacement	truck #13 indicates that it we truck has been assessed ar vehicle operational were no	In accordance with the Town's Vehicle Replacement By-law 078-2014, the activities that it would be due for replacement in 2022. As required truck has been assessed and determined that the cost of repairs to keep the vehicle operational were not significant and therefore the vehicle will be reass annually before it is budgeted for replacement.		
2. COMMITMENTS MADE:	Public Consultation Process No 4. EFFECTS ON FUTURE OPERATING BUDGETS:			
	2022	2023	2024	
5. EXPENDITURES CONTRACTUAL CAPS BASED ON \$ DIRECT REVENUES GRANTS & SUBSIDIES OTHER			35,000	
6. NET REQUIREMENTS:	0	0	35,000	
TO BE FINANCED FROM: DEBENTURES OWNERS RESERVES - Vehicle Replacement OTHER 7. ANNUAL TAX REQUIREMENT	0	0	-35,000 0	