

WWTP Capital Project List

Project Description	Estimated Costs	Proposed Year to be Done	Current Status
Replace D1 Sludge Recirculation Pumps A & B	E \$ 2,000.00	tbd	Existing asset beyond its useful life
	C \$ 33,000.00	2020-21	
Press Filtrate Pump Station	E \$ 5,000.00	2020-21	\$14,450 Preassembled Duplex P.S. estimate Installation \$36000
	C \$ 50,500.00		
Septage Acceptance Controls	E \$ 2,000.00	2020-21	\$37,970 Raptor Control Panel + \$27,900 Raptor Control Station Current controls obsolete and unavailable
	C \$ 66,000.00		
Replace Roof at Cherry St - Generator Bldg	E \$ -	2020-21	Roof Leaks over restroom and water main meter and RPZ This building is used by Water/Sewer crew for storage/office space
	C \$ 52,500.00		
Replace Roof at WWTP - the north wing	E \$ -	2020-21	Rubber roof membrane lifts in the wind.
	C \$ 75,200.00		
Grit Classifier	E \$ 1,200.00	2020-21	Existing asset beyond its useful life. Will be utilized with new grit removal system (Pista or equivalent)
	C \$ 52,000.00		
Grit Pump	E \$ -	2020-21	Existing asset beyond its useful life. Will be utilized with new grit removal system (Pista or equivalent)
	C \$ 15,000.00		
Replace Low Density RBC Media 6 each	E \$ 6,000.00	2020-21	Darlington Equipment Company replace the existing media and support systems for the six RBCs utilizing the existing shafts and drive systems. The base cost for the equipment is \$ 80,000 /RBC for a total of \$ 480,000. Installation is an additional \$12,000 / shaft and to change out the bearings is \$ 14,000 per shaft.
	C \$ 492,000.00	2020-21	
Overhead Doors on RBC building	E N/A	2020-21	Martin's Door Service LLC Estimate to install two commercial grade overhead doors on the RBC building to facilitate maintenance on RBC's and other equipment in that building.
	C \$ 10,500.00		
Install a Disinfection System with Tertiary Eff. Treatment/Filter	E \$ 98,000.00	2020-21	Consent Order now requires this
	C \$ 1,944,000.00	2021-22	
Install PISTA Grit Removal System at WWTP	E \$ 12,000.00	completed	Existing grit removal system at Cherry Street P/S is at the end of its useful life (See note 2 below)
	C \$ 533,000.00	2021-22	
Replace emergency generator and transfer switch at plant	E \$ 5,000.00	2021-22	Asset at the end of its useful life. Quote email from RL Kistler for generator plus estimated \$9K cost for transfer switch
	C \$ 120,000.00	2021-22	
Plant Water System	E \$ 6,000.00	2021-22	Water treatment system to reuse plant effluent for process water in the plant
	C \$ 72,000.00	2022-23	
Influent Micro Screen at Cherry St	E tbd	tbd	Existing debris removal system at Cherry Street P/S is at the end of its useful life (See note 2 below)
	C tbd	tbd	
Primary Digester Cover Replacement	E tbd	tbd	Reserve funding consideration
	C tbd	tbd	
Secondary Digester Cover Replacement	E tbd	tbd	Reserve funding consideration
	C tbd	tbd	
Replace Septage Building Screen System	E tbd	tbd	Current screen not as efficient and wearing out
	C tbd	tbd	
Installation of a Fuel Cell	E tbd	tbd	Opportunity for Green Technology Funding to use the methane gas produced by the digester
	C tbd	tbd	

2. Grit Removal: Based on earlier engineering studies, the cost of installing a degritting system at the WWTP plant is significantly less than at the pump station. While degritting before the lift pumps at Cherry Street would be desirable, we think that this can also be essentially achieved by the eventual replacement of the old Amwell screen at Cherry Street with a microscreen, which would remove large objects down to and including gravel and some sand from sewage stream, thus protecting pumps. The PISTA system at the WWTP would not then be

\$	960,900.00	2020-21
\$	2,608,000.00	2021-22
\$	72,000.00	2022-23
\$	-	2023-24
\$	-	2024-25
\$	3,640,900.00	Total
\$	-	check

\$	508,500.00	RBC Repair to be paid for by Village of Penn Yan out of available cash
\$	452,400.00	2020-21 Net capital investment
\$	127,700.00	WWTP Buildings
\$	324,700.00	WWTP Infrastructure
\$	452,400.00	Total