

Table 8.02-1 Summary of Recommended Improvement Costs

	Item	Opinion of Capital Cost			
		Phase II	Phase III	Phase IV	
Alternatives	Alternative P1				
	Add a second chemical storage tank.	\$124,000			
	Enclose existing chemical storage tank and new storage tank in new room within existing solids processing building.	\$815,000			
	Replace chemical yard piping.	\$360,000			
	Add an orthophosphate analyzer.	\$29,000			
	Add energy dissipating inlets to the final clarifiers.		\$72,000		
	Replace the chemical pumps.	\$29,000			
	Alternative TN1				
	MLE process with primary clarification and anaerobic digestion.			\$16,710,000	
	Alternative B3				
Heat drying.			\$16,341,000		
Common Alternatives	Influent Pump Station				
	Replace the wet well floats and transducers.	\$53,000			
	Add a second force main from the influent pumping station to the preliminary treatment building.	\$588,000			
	Replace MCC-A and SCC-A.	\$726,000			
	Replace existing VFDs for influent pumps with new VFDs for each pump.	\$264,000			
	Replace the standby generator. The new generator will be located outside near the digester complex.	\$924,000			
	Replace dry well HVAC to comply with NFPA 820 standards and WAC NR 110.	\$264,000			
	Preliminary Treatment				
	Add a new mechanical screen and wash press in the second influent channel.	\$1,223,000			
	Replace the existing slide gate with a motorized slide gate.	\$124,000			
	Add a new MCC-D.	\$637,000			
	Build a room addition to the building to house the new MCC and the relocated SCC-E.	\$443,000			
	Relocate SCC-E to an unclassified area.	\$271,000			
	Replace HVAC to comply with NFPA 820 standards.	\$191,000			
	Repair spalling concrete in channels following the aerated grit removal tank.	\$32,000			
	Primary Sedimentation				
	Replace the primary clarifier drives.	\$297,000			
	Repower the primary clarifier equipment from the new MCC-D in the preliminary treatment building.	\$225,000			
	Replace the primary sludge pumps.	\$276,000			
	Activated Sludge				
	Replace the diffuser and tank internal air piping in Tanks 1, 2, and 3.	\$935,000			
	Final Clarification				
	Replace clarifier mechanisms.		\$696,000		
	Sludge Thickening and Solids Processing				
	Replace the unsubmerged DAFT equipment.	\$178,000			
	Replace MCC-B.	\$1,331,000			
	Replace HVAC in the building.	\$437,000			
	Demolish and seal the doorway between the DAFT room and the blower room to comply with NFPA 820 standards.	\$218,000			
	Replace the DAFT pumps.	\$268,000			
	Replace the biosolids holding tank mixer.	\$213,000			
	Anaerobic Digestion				
	Replace the primary digester cover.	\$1,569,000			
	Replace the secondary digester cover.	\$1,822,000			
	Replace the primary digester mixing pump and nozzles.	\$368,000			
	Add phase loss/phase imbalance protection on the ATS controller.	\$31,000			
	Construct a room adjacent to the digester complex basement to house the gas safety and handling equipment in accordance with NFPA 820 standards.	\$2,233,000			
	Replace gas safety and handling equipment.	\$848,000			
	Replace boiler/heat exchanger for the digesters.		\$1,016,000		
	Replace recirculation pumps.		\$452,000		
	Replace and relocate waste gas burner.	\$309,000			
	Replace HVAC boiler.		\$507,000		
	Demolish and remove biogas engine generators.	\$155,000			
	Replace MCC-C and SCC-C.	\$1,006,000			
	Replace HVAC in building complex.	\$484,000			
	Miscellaneous				
	Replace tunnel HVAC.	\$137,000			
	Replace non-potable water system.	\$396,000			
		Total	\$20,813,000	\$2,742,000	\$33,061,000

All costs in fourth quarter 2022 dollars.

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Residential Utility Payment Comparison - 5,000 Gal./ Month

Municipal - Water and Sewer Rates - 2023

"Monthly" - Water/Sewer Rates	City of Mosinee	Village of Kronenwetter	Village of Rib Mtn	Village of Rothschild	Village of Weston
Water Base Rate	\$12.00	\$5.40	\$11.66	\$10.46	\$8.00
Sewer Base Rate	\$7.73	\$7.87	\$5.76	\$13.65	\$11.00
WATER VOL. - Price per Gallon X 5	\$27.80	\$17.95		\$25.85	\$12.30
SEWER VOL. - Price per Gallon X 5	\$38.10	\$18.30	\$7.90	\$39.25	\$17.25
PUBLIC FIRE PROTECTION	\$12.36	\$4.40	None	\$2.33	\$5.83
TOTAL MONTHLY CHARGES -5,000 GALS.	\$97.99	\$53.92	\$25.32	\$91.54	\$54.38
NOTE: ALL RATES BASED ON 5/8 & 3/4 INCH METER					