



123 W. Main St., Suite 200
 Gaylord, MI 49735
 O: 989.732.8131

Tawas Utilities Authority SRF Project Plan

Electrical cost, KWH \$ 0.12

Opinion of Operations and Maintenance Costs

Primary Clarification - Anaerobic Digestion				
Electrical & Utilities	HP	Hrs/Day	KWH/Year	Annual Cost
Clarifier Drives	3.5	24.0	45,101	\$ 5,412.10
Primary Sludge Pumps	7.5	2.0	4,027	\$ 483.22
Digester Mixer	12.0	12.0	38,658	\$ 4,638.94
Sludge Transfer Pumps	4.0	1.0	1,074	\$ 128.86
Circulation Pump	4.0	24.0	25,772	\$ 3,092.63
Heating Gas				\$ (97.00)
				\$ 13,658.74
Replacement Parts				\$ 2,500.00
Annual O&M				\$ 16,200.00

No Primary Clarification - Aerobic Digestion				
Electrical & Utilities	HP	Hrs/Day	KWH/Year	Annual Cost
Aeration blower	27.0	16.0	115,973	\$ 13,916.82
Mixing compressor	8.0	24.0	51,544	\$ 6,185.25
Sludge Transfer Pumps	4.0	1.0	1,074	\$ 128.86
				\$ 20,230.93
Replacement Parts				\$ 2,500.00
Annual O&M				\$ 22,700.00