

Attachment 1

Piney Mountain Wastewater System Asset Inventory - Oct 29, 2024

Asset	Detail	Date Installed	Condition Score*	Initial Life (years)	Approx. Remaining Life (Years)	Replacement/Rehab Cost in 2023 Dollars**	Assumed Inflation Rate (Percent)	Next Replacement Year	Next Replacement Future value
Low Pressure PVC Collector Lines - High Risk	Areas near check valves (112 feet)	1995	2	40	11	\$ 14,567	2.11	2035	\$ 18,328
Low Pressure PVC Collector Lines - Remainder	9816 feet	1995	2	50	21	\$ 1,239,412	2.11	2045	\$ 1,921,541
4" DIP Force Main - High Risk Sections	A) Taproot/Mt Sinai intersection (2000 feet) B) near Wilkins Rd loop (700 feet)	1995	2	77	48	\$ 589,965	2.11	2072	\$ 1,607,325
4" DIP Force Main - Remainder	4700 feet	1995	2	77	48	\$ 1,026,976	2.11	2072	\$ 2,797,935
Air Relief Valves - Collector Lines	ARV (2)	1995	2	40	11	\$ 10,318	2.11	2035	\$ 12,983
Air Relief Valves - Force Main	ARV (3)	2022	1	20	18	\$ 12,139	2.11	2042	\$ 17,677
Valves	Valves Gate (5)	1995	3	40	11	\$ 3,885	2.11	2035	\$ 4,888
	Ball Valve (3)	1995	3	40	11	\$ 1,093	2.11	2035	\$ 1,375
Manholes	4-ft diameter (1)	1995	3	35	6	\$ 28,100	2.11	2030	\$ 31,850
Wet Well	Wet Well	2006	2	40	22	\$ 42,802	2.11	2046	\$ 67,759
	Wet Well Mixer	2023	1	18	17	\$ 2,500	2.11	2041	\$ 3,565
Odor Control	Odor Control Unit	2024	1	10	10	\$ 6,168	2.11	2034	\$ 7,601
Pumps	Pump-1	2022	1	15	13	\$ 9,711	2.11	2037	\$ 12,740
	Pump 2	2022	1	15	13	\$ 9,711	2.11	2037	\$ 12,740
	Well Pump	2007	3	20	3	\$ 728	2.11	2027	\$ 775
Controls	Controls -Pump Controller	2006	3	19	1	\$ 3,102	2.11	2025	\$ 3,168
	Soft Starters	2024	1	15	15	\$ 1,682	2.11	2039	\$ 2,301
	Well Pump Controls	2016	2	10	2	\$ 2,293	2.11	2026	\$ 2,391
Generator	Generator	2016	2	30	22	\$ 56,650	2.11	2046	\$ 89,681

*Condition Score definitions:

1. Excellent condition - very good or new asset
2. Good condition - minor defects only
3. Fair condition – moderate signs of wear, damage or corrosion and minorly reduced function
4. Poor condition – significant signs of wear, damage or corrosion and reduced function
5. Very poor condition - requires immediate replacement, unserviceable or has a safety concern

Notable changes from October 2023 version

Odor control unit, Wet well mixer, and soft starters added. Replacement Cost Column Escalated to 2023 dollars per CPI.

Notes and assumptions

Future costs assume inflation at 2.11%/year

Replacement estimates assume in-kind replacement only

Replacement costs assume full replacement; in many instances asset rehabilitation or partial replacement may be acceptable.