

Engineering and Operations Committee Meeting

Minutes

August 25, 2020

The E&O meeting convened at 1:32 P.M., Tuesday, August 25, 2020, at the Lakeway Municipal Utility District's office located at 1097 Lohman's Crossing, Lakeway, Texas 78734-4459.

The following Engineering and Operations (E&O) Committee Members, General Manager (GM), and Board Liaison were in attendance:

Phil Lanier, *Committee Chairperson*,
Earl Foster, *General Manager, Lakeway M.U.D.*,
Bob Rives, *Committee Member (Secretary)*,
Wayne Seime, *Committee Member (Vice Chairperson)*,
John Sayre, *Board Member and Board Liaison to Committee*,

The meeting's agenda was a review of the draft Capital Improvement Projects.

Mr. Lanier opened the meeting with Mr. Foster handing out a draft of the LMUD Future Capital Improvements, 5-Year Outlook, with Concept Schedule and Concept Descriptions. The summary contained twenty-two on-going/future item projections which were listed into three categories: Water Treatment & Distribution System Improvements, Wastewater Collection, Treatment & Reuse System Improvements, and Miscellaneous Internal Operational Modifications & Improvements. Mr. Foster said he is still working on the cash flow for the projects but that an opinionated rough-estimate of costs should be about 36 million dollars. In regards to a five-to-ten year projection LMUD would be short about 16 million dollars. Mr. Foster reiterated that the numbers are very conservative yet only an opinion, and that with the sale of land and other savings the total short fall could be around 9 million dollars. Foster said he would have to do further work on the cash flow to obtain better numbers, especially after some of designated project studies are complete. The seven items under Water Treatment & Distribution System Improvements were:

- W-3 Water Treatment Plant to expand recovery tank capacity
- Distribution system pressure improvements at Eagle to relieve low pressure area
- Distribution system storage capacity improvements (E-3) by replacement of West Upper Pressure Plane E-3 tank with larger storage (possibly 0.5 MG)
- In-house water distribution modeling
- Preliminary engineering report on W-3 WTP expansion and improvements
- W-3 WTP expansion design of phase one and Construction & study revision
- Regarding the 2018 American Water Infrastructure Act, risk/resilience response

- Meter replacement with fixed network

It was noted that the WTP-3 expansion is in two phases with phase one involving a 2 MGD Trident addition to increase the capacity from 7.27 MGD to 9.27 MGD in phase two, and too also include a 2 MGD up-flow clarifier. It was noted that the average working capacity is about 5 MGD; however, during peak usage months this becomes significantly higher. Mr. Foster elaborated further on the requirements of the American Water Infrastructure Act saying that “resilience” refers to LMUD ability to identify risks and react to those emergencies. Risks include tornado damage, local power outages, flooding, and other catastrophic events. In regards to meter replacements with a fixed network this, Foster said, will help customers with access to their water usage data and help with general water conservation. Other positive thoughts on the system is retrofits mechanical meter (no wires), a leak alert technology, and relief from long-term cellular data fees---with a total cost of about \$1.5 million.

Items 9 through 19 were under Wastewater Collection, Treatment & Reuse System Improvements:

- ODWW Project,
- ODWW Project – Lift Station, Force Main, and S-5,
- S-5 WRP – 1.2 MGD ultimate capacity and preliminary engr. report on expansion,
- S-5 WRP – permit major amendment,
- S-5 WRP – expansion design and construction, plus S-4 blower,
- Reclaimed water (RCW) storage capacity expansion and feasibility study,
- Reclaimed water (RCW) storage capacity expansion design and construction,
- Pond liner replacements (I-4, I-5, & I-6 ponds)
- Reclaimed 10-inch water line relocation on CT-1 tract,
- S-4 WRP permit amendment,
- Future package plant, 200,000 gallon pond to serve north Lakeway.

Miscellaneous projects were:

- Operations and maintenance of TCMUD’s 11, 12, and 13,
- GIS (Geographic Info System) mapping improvements,
- CCN Amendment – CT1 Property corrections.

There was general discussion on each item and Foster also expressed an opinion of the estimated cost of each item. Overall there were comments that the items could be in priority order with thoughts to affordability and need of projects. The committee appreciated all the work that goes into preparing this outlook and cash-flow charts.

The next meeting is tentatively scheduled for Thursday, September 17, 2020, at 1:30 PM. With no other business Mr. Lanier adjourned the meeting at 3:30 PM.

The minutes have been read and approved by e-mail:

The minutes approved this 2nd day of September, 2020.
Yeas__3__, Nays__0__.
Robert G. Rives, Secretary, E&O Committee, LMUD