

Engineering and Operations Committee Meeting

Minutes

March 22, 2018

The E&O meeting convened at 1:35 P.M., Thursday, March 22, 2018, 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 Member (Chairperson)*,
Paula Crawley, *Committee Member*,
Earl Foster, *General Manager, Lakeway M.U.D.*,
Jerry Hietpas, *Board Member and Board Liaison to Committee*,
Bob Rives, *Committee Member (Secretary)*,
John Sayre, *Committee Member*.

Not in attendance:

Wayne Seime, *Committee Member (Vice Chairperson)*.

The meeting's agenda had been distributed by e-mail to all committee members on March 14, 2018. The designated agenda for the meeting was:

1. Welcome Bob Rives back to the committee and newest member Paula Crawley,
2. Election of Secretary,
3. Discuss OD Wastewater Project,
4. Update on Existing Contract with Central Road Utility (CRU),
5. Discuss Reuse Model for Highlands Boulevard and Rough Hollow,
6. Other Items.

Mr. Lanier called the meeting to order and Mr. Foster began with the introduction of the agenda's number one item. Mr. Foster welcomed back Mr. Rives and welcomed newest member Ms. Paula Crawley (Out-of-District). Both were approved by LMUD Board at its meeting on March 14th. The Board granted Mr. Rives a provisional membership for one year as he is not a customer of LMUD. It was noted that Ms. Beverly Carter had resigned from the Committee.

In regards to the election of a secretary it was motioned and seconded that Mr. Rives be appointed the Committee's Secretary. The Chairperson called for a vote and the motion was passed by the members present. Mr. Foster then went on to update the committee on the Out-of-District Wastewater Project. A survey was sent out to residents of the "Old Lakeway" area. He

said they received back about 620 surveys and that 501 were in favor of the project. Mr. Foster said that as a result of the positive feedback he will present to the Board of Directors a plan to fund the project and to move forward with the construction plan. Presently he is working with the engineers on the project's easement projections and the required lift station. Roughly he speculated that about \$8 million is available for the project and this is adequate for the initial phase, and stated that the over-all project could possibly result in a cost of \$18 to \$20 million over a five-year period. A target date of October, 2018, was set for bids on the lift station and for the main line along the Live Oak easement area with a completion estimate at the end of 2019 for the first of the 250 houses to be hooked up, which will be the start of first revenues. One of the main benefits for In-District customers will be this new source of revenue to LMUD. Mr. Foster also noted that \$11,000 was paid for a new gas-operated underground boring machine that has a maximum hole-diameter capability of twelve inches. Mr. Foster said the equipment was tested and met all expectations. A conversation within the committee questioned how LMUD can reduce costs of grinder pumps since we will be purchasing a large number of them. Mr. Foster was also questioned on the connections to house electrical systems and panels as well as innovative ways to cut costs on installing grinder pumps at the houses.

An update on the existing contract with CRU is delayed because of having to wait for a new pump motor. Due to a manufacturing defect the installed pump did not meet the necessary rpms so the motor had to be returned. Right now all that is needed to complete the project is the installation of the pump.

Mr. Foster then provided a quick update with site sketches on the modeling for the Rough Hollow and Highlands Boulevard wastewater irrigation project from LMUD's pond off Highlands Boulevard through the planned pipeline system, along with the required pressures necessitated by the pressure contours and pipe sizes of the involved area.

In other business Mr. Foster said that the trap at the barge water intake found about 150 zebra mussels. He is arranging for a dive team to remove them and clean the barge area. LMUD will use a chemical methodology (potassium permanganate) and have it installed in May, 2018. This should keep the zebra mussels from attaching to the pipes and thus prevent them from seriously clogging the intake pipelines. He said he is monitoring the engineering designs and solution applications that LCRA District 17 are implementing to solve this problem.

With no other business next meeting was slated for April 26th, at 1:30 P.M. The meeting was then adjourned at 2:55 P.M.

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

The minutes approved this 27th day of March, 2018.

Yeas 4, Nays 0, Abstain 1.

Robert Rives, Secretary, E&O Committee, Lakeway M.U.D.

