

Engineering and Operations Committee Meeting

Minutes

December 20, 2018

The E&O meeting convened at 1:32 P.M., Thursday 20, 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 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)*,
Wayne Seime, *Committee Member (Vice Chairperson)*.

The meeting's agenda had been distributed by e-mail to all committee members on December 19, 2018. The designated agenda for the meeting was:

1. Update on Purchase of Equipment,
2. Update on Serving Reuse Water to Highlands Blvd.,
3. Other Business.

Mr. Lanier called the meeting to order and Mr. Foster began by saying that the board approved the purchase of the directional boring equipment, and that the initial training of four or five LMUD personal began yesterday. He said the rock saw should be available by the end of January although in the mean time we will have to rent a machine until the new one arrives. Additionally, he stated that the compressor was on order. He subsequently stated that he still didn't have a cost on bit replacements or their expected life span. Mr. Foster said he should be able to draw up a work schedule and time-line for Phase I as soon as the easements have been approved by all parties. Some connection work is proceeding to the main line within the Phase II area of Electra Street and into Melody Street allowing four houses to be ready for hook up. He noted that an 80 hour/month public relations person was approved by the Board and, furthermore, he has hired two new employees for the wastewater project. Mr. Foster told the committee that he received complaints from some Lakeway residences that LMUD work vehicles had blocked the streets to their homes. Mr. Foster commented that workers have been instructed to avoid this and he pointed out his men are still in a learning curve on using their Phase I equipment and hopefully this kind of thing will now be avoided. The committee indicated they would like to see the manager keep a record of Phase I work downtime related to work interruptions where the wastewater project is halted due to handling other LMUD

emergencies. The reason for this is because of the limited LMUD man power, which will soon begin working on a major project, and the need to monitor if work stoppages are seriously affecting regular and/or emergency tasks that LMUD normally perform and, if so, how to address the problem. Mr. Foster did mention that when Phase I begins it has precedence over any Phase II work. Regarding the wastewater lift station work by the airport Mr. Foster said it will be very complex and as such will require LMUD to contract it out as his men didn't have the necessary expertise nor the time. The timing for this work, the S-5 expansion for Phase I or even including Rough Hollow, and possible reuse water for the airport area are all part of a synergic system that needs to be accommodated within the scheduled plan.

Regarding agenda item two Mr. Foster said he was provided with the Rough Hollow's (including the Highlands) pipeline plans and this will help LMUD update and calibrate its model studies in order to verify the rigorousness of its overall engineering specifications. Well-grounded models will be instrumental in substantiating LMUD's ability to provide a holistic approach to the possibility of supplying Rough Hollow, the sports complex, and Phase I and II, with potable and/or wastewater.

In other business Mr. Foster mentioned that the higher water-levels in Lake Travis have provided a harmful environment for the zebra mussels. As such, with the higher waters in the lake we are in no rush to begin chemical treatment; however, he added it might be best to go ahead and begin treatment so we can test the results and be ahead of the learning curve. He reminded the committee that as soon as we begin the chemical treatment we will be required to take water samples from a test set of homes (that were built before 1988) to prove our water quality. This type of test is required every three years or every time we change the chemical composition in our treatment method. Mr. Foster said LMUD routinely checks the barge every month for mussel contamination. Lastly, it was mentioned that we need to recruit an "in-district" person for the E&O Committee.

With no other business the next meeting was tentatively slated for Thursday, January 17, 2019, at 1:30 P.M. The meeting was then adjourned at 3:00 P.M.

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

The minutes approved this 26th day of December, 2018.

Yeas 4, Nays 0.

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