

Engineering and Operations Committee Meeting

Minutes

November 20, 2018

The E&O meeting convened at 1:30 P.M., Tuesday, November 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*,
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)*.

Not in attendance,
John Sayre, *Nominated as Board Member pro temp*,
Paula Crawley, *Committee Member*.

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

1. Review Pay App #2 for Chemical Feed System on Raw Water for Zebra Mussel Control,
2. Review Equipment Purchase for OD WW Project,
3. Other Business.

Mr. Lanier called the meeting to order and Mr. Foster began by a review of the zebra mussel construction site. Work is completed for the chemical container building that is able to contain a 2,500 gallon chemical supply tank. The skids for the tank should be ready in about six weeks and the grinder pump still needs to be installed. It should be up and ready by January 2019. The building came in at about \$74,000 and Mr. Foster said that when complete the total cost should come in less than \$150,000. Mr. Foster is continuing to research the possible use of a cooper anode system and is still watching other districts' solutions to find out what works best.

Mr. Foster has prepared an LMUD Commercial Draw Request form for Texas Custom Solutions for a payout of \$48,715.55. This should be paid in December after Board approval.

Earlier LMUD obtained a half-day demonstration of the directional-drilling machine by EKA. The machine worked well drilling in both soil and limestone rock and met all of our prerequisites. While drilling in top soil a mud mixing unit and a 500 gallon fluid tank was required to keep the hole from caving in. A portable Doosan Model 450 HP dual air-compressor is needed to supply 150-200 psi pressure for drilling up to 180 feet in rock with a Cummins' Diesel engine was quoted by CTE (Central Texas Equipment) for \$66,011.90. EKA quoted LMUD a total of \$203,532.97 for the Ditch Witch JT10, the FM13X mud mixing unit, the North America Radio TK RECON4 (depth indicator), the Rock Hammer kit, and a Felling FT201 Trailer. EKA is an Austin, Texas, company that has been in business for 40 years and has a good reputation. Mr. Foster is going to check on the rock-bit's life span and how much it is to replace/repair. He is also going to check to see if a covered shed is required to store the directional machine (mainly because of the operator's seat and electrical components). Following Mr. Foster's review the committee motioned, seconded, and by consensus vote asked that the Board approve the purchase of all the equipment mentioned above.

In other business Mr. Foster reviewed his findings regarding City of Austin's water problems during the recent high volume of water pouring into Lake Travis over a short period of time during heavy rains that resulted in their very low-capacity water production and having to issue a "boil water" command for the city's residents. He was also questioned on why LMUD didn't have these problems. Mr. Foster and his crew are going to prepare a report on City of Austin's problems along with LMUD's success and some of his discoveries in dealing with the sundry problems. The report will be presented to the Board and kept on file to aid in averting future incidences, and also on how LMUD would best respond if we had similar problems as Austin.

With no other business the next meeting is tentatively slated for Tuesday, December 20, 2018, at 1:30 P.M. The meeting was then adjourned at 3:25 P.M.

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

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

Yeas__3_, Nays__0__.

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