

Engineering and Operations Committee Meeting

Minutes

August 17, 2018

The E&O meeting convened at 1:33 P.M., Friday, August 17, 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*,
Paula Crawley, *Committee Member*,
Bob Rives, *Committee Member (Secretary)*.

Not in attendance were,

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

The meeting's agenda had been distributed by e-mail to all committee members on August 15, 2018. The designated agenda for the meeting was:

1. Review Equipment Purchase for Out-of-District Project,
2. Discuss OD Project,
3. Other Business.

Mr. Lanier called the meeting to order and Mr. Foster began by mentioning the Supervisory Control and Data Acquisition (SCADA) upgrades are projected for this fall which is a \$330,000 capital project to upgrade our hardware and remote information control system that is now 20-years old. The project is scheduled for three-to-five years. Next Mr. Foster gave a review of potential equipment purchases for the Out-of-District Project. He has two quotes for a Ditch Witch (RT80T4) heavy-duty trencher, one for a six-inch and the other for an eight-inch width configuration. Mr. Foster believes the eight-inch trencher is the best buy since the difference between machines is only \$265. A customer price from EKA Government Sales Experts is \$121,650.74 for a new eight-inch trencher. If we rented the equipment it would cost \$9,500 per month (\$114,000 per year). He roughly estimated that we will need to cut about 30,000 feet of trench, much of it through rock. The eight-inch trench would be wide enough to lay wastewater and treated-wastewater pipe side-by-side in the same trench about two-feet deep

on the golf course and around three feet in heavy traffic areas like streets. The trencher for the OD Project would most likely be used for about five-to-six years and after project completion the trencher would have low hours such that we should get top dollar for resale, if we decide to sell at that time. The committee discussed the purchased of a used or new one and were in agreement that a new one would be cost efficient, especially since pay back would be less than a year. Mr. Foster also indicated that we would need a three-inch or larger directional boring machine and that he is still looking into this piece of equipment. The committee agreed that a purchase of a John Deere mini-pickup (*Mule*) would be a cheap utility vehicle with easy maneuverability in and around the neighborhood driveways when installing grinder pumps or during work along the golf course so as not to impact turfs with a heavier vehicle.

Mr. Foster stated he will have another meeting with the ClubCorp America (CCA) in the near future regarding our partnering with the Live Oaks Golf Course to build a golf course irrigation system when LMUD installs its 325 private house irrigation system. The irrigation system's main line would supply treated water to both the golf course's "rough areas" and to private yards along the course's parameters. Mr. Foster said LMUD would manage the construction and future maintenance of both systems. He said converting 325 homes from irrigating with potable water to treated wastewater would reduce the load on our water treatment plant about 93,000 gallons/day which is a significant amount. He noted that TCEQ would give us additional irrigation land acreage in our permit for both the homes and the added golf course area. It was mentioned that LMUD now has a pilot project which ties into Phase I that has been providing us with useful cost information and experience in hooking up grinder pumps, not to mention our first income from the system.

The project to eradicate the zebra mussels continues. We are waiting on the electoral work bids and for City of Lakeway permit. The Fire Department has already approved the project. Mr. Foster said he is looking at using a different chemical (other than potassium permanganate) which is copper based. He noted this would be tasteless and odorless and would not require any special treatment as the dosage is minute.

With no other business the next meeting is slated for Thursday, September 27th, at 1:30 P.M. with a possible tentative date of September 13th should the agenda require an earlier meeting. The meeting was then adjourned at 2:45 P.M.

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

The minutes approved this 20th day of August, 2018.

Yeas__3__, Nays__0__, Abstain__0__.

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