

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
November 10, 2020

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Tuesday, November 10, 2020 at 9:00 a.m., via video conference.

1. Call to Order

President Juliussen called the meeting to order at 9:00 a.m.

2. Roll Call

DIRECTORS PRESENT: Juliussen, Omsted

DIRECTORS ABSENT: None

OTHERS PRESENT: General Manager Paul Bushee; Technical Services Manager Robin Morishita; Field Services Superintendent Jeffery Stecker; Field Services Supervisor Marvin Gonzalez; Field Services Specialist Ian Riffel; Field Services Technician III Gabe Mendez, Field Services Technician III Hugo Gonzalez, District Engineer Dexter Wilson, District Engineer Natalie Frascchetti, and Administrative Specialist Mark Brechbiel

3. Public Comment

None.

4. New Business

A. Receive and File the FY2020 Audit of the District's 2019 Sanitary Sewer Management Plan (SSMP) completed by Dexter Wilson Engineering, Inc.

FSS Stecker began the presentation of the SSMP audit by indicating that the audit is one of LWD's tactical goals under Services. He and DE Wilson provided background of the District's SSMP from its origin in 2009 through present.

DE Frascchetti went on to describe in detail the various sections of the SSMP and the two primary sections that were used to establish the audit criteria; Section IX (Monitoring, Measurement and Program Modifications) and X (SSMP Program Audits). She stated that the audit is performed to keep the SSMP current and represents current District practices. Overall, she concluded that all SSMP elements are in place and implemented and no significant changes are warranted to the FY19 SSMP Update.

President Juliussen asked that since an audit is performed every year, do we report it every year, and if we need to perform the audit yearly?

DE Frascchetti replied that LWD is required to conduct the audit every two years but conducts the audit every year. GM Bushee added that the annual audit provides further credibility and transparency with the regulators and also provides an excellent review of the year's operations.

Director Omsted asked what are the differences between a Category 1 to Category 3 spill?

DE Frashetti explained there is a difference in spill volume between the categories as well as if the spill reaches waters of the state or not.

Following discussion, the EC concurred with staff to Receive and File the FY2020 Audit of the District's 2019 Sanitary Sewer Management Plan (SSMP) completed by Dexter Wilson Engineering, Inc.

- B. Authorize the General Manager to execute an agreement with Haaker Equipment Company in the amount of \$299,645.20 to purchase a new 2020 Ford F-450 Closed Circuit Television Truck.

FST III Mendez began by providing background on the current CCTV Truck. He stated that it is a model year 2012 Chevrolet Van conversion with 18,816 miles and 4,007 equipment hours. He continued by stating that the CCTV equipment is aging and has had an increase in maintenance costs with a combined total of \$36,346.11 from 2017 to 2019.

FST III Gonzalez stated that per the LWD Vehicle Replacement Policy, the CCTV truck meets the minimum replacement criteria of *5 years old and 60,000 miles or 7 years old and any miles*. He described additional reasons for replacement including the downtime of equipment, repair and replacement costs and the quality of customer service.

FST III Mendez explained that the staff conducted demos with 3 manufacturers: Ibak, Proteus and Envirosight. Based on their demos, staff selected Envirosight because of local repair and support, loaner provision, quick change wheels and other new technology.

GM Bushee stated that the District would utilize Sourcewell Cooperative (Sourcewell) to purchase the vehicle. Sourcewell is a government cooperative purchasing agency that provides competitively negotiated purchase agreement for local government agencies. He added that the District's Procurement Policy allows for the use of cooperative purchasing program when it is in the best interest of the District.

President Juliussen asked what is the approximate value of the CCTV vehicle to be replaced? FSSup Gonzalez replied that staff does not know but plans to contact CUES and ask about current value. He added that staff will also contact local contractors to check interest in purchasing the vehicle.

Following discussion, the EC concurred with staff to authorize the General Manager to execute a cooperative purchase agreement with Haaker Equipment Company in the amount of \$299,645.20 to purchase a new 2020 Ford F-450 Closed Circuit Television Truck.

- C. Authorize the General Manager to execute a three-year agreement with Airgas to furnish and deliver Liquid Oxygen in an amount of \$141,473 not including tax.

FSS Stecker presented this item. FSS Stecker noted that LWD selected the ECO₂ Super-Oxygenation System as the alternative to bioxide to prevent the formation of H₂S as part of the Leucadia Pump Station Project. FSS Stecker explained that Liquid Oxygen (LOX) is needed to provide the oxygen gas for the ECO₂ System.

FSS Stecker continued that the District solicited bids for LOX and three bids were received on October 6, 2020 to furnish LOX and the associated equipment. He stated that Airgas submitted the lowest Bid of \$47,158 per year for a total of \$141,473 for three years, not including taxes.

Director Omsted questioned the safety of the LOX.

GM Bushee assured him that precautions have been and will be taken and that this was analyzed as part of the Leucadia Pump Station Project. TSM Morishita confirmed that the Occupational Safety and Health Administration (OSHA) requirements for LOX were satisfied during project design.

Following discussion, the EC concurred with staff to authorize the General Manager to execute a three-year agreement with Airgas to furnish and deliver Liquid Oxygen in an amount of \$141,473 not including tax.

D. Encinitas Estates Pump Station Replacement Project:

Recommendation 1: Authorize the General Manager to execute an Agreement with Pacific Hydrotech Corporation for the construction of the Encinitas Estates Pump Station Replacement Project in an amount not to exceed \$1,797,000 as the lowest responsive and responsible bidder.

Recommendation 2: Authorize an additional appropriation of \$1,134,000 to complete the construction and the associated soft costs.

TSM Morishita presented staff's recommendations. He provided background on the Encinitas Estates Pump Station Replacement Project (Project). He reminded the EC that this was a redesign and rebid of the Project.

TSM Morishita continued that 6 bids were received on October 27, 2020. He stated that as a result of the bid evaluation conducted by Infrastructure Engineering Corporation (IEC), the apparent low bidder Kay Construction Company did not meet the minimum experience requirements. He continued that Pacific Hydrotech Corporation (Pacific Hydrotech) was determined to be the lowest responsive and responsible bidder with a bid of \$1,797,000. TSM Morishita stated that, therefore, staff is recommending awarding the contract to Pacific Hydrotech.

Additionally, TSM Morishita stated that staff is recommending an additional appropriation of \$1,134,000 to complete the construction and associated soft costs. He explained that Funds totaling \$946K were appropriated in prior fiscal years for Project construction. He explained that the budgeted cost was based on the replacement of the Village Park No. 5 (VP5) Pump Station completed in October 2017. TSM Morishita explained that the VP5 construction site was not restricted by adjacent homes, like the Encinitas Estates site, and did not include the replacement of the emergency generator and its associated equipment. He continued that the restricted site increases the construction period, thereby increasing construction costs. He stated that the Project incurred additional soft cost for Project redesign and construction management cost will increase with the increased construction period. TSM Morishita said that for these reasons staff requests an additional appropriation to the FY 2021 Budget of \$1,134,000 to cover the bid price for construction and a 10% contingency and associated soft costs.

Following discussion, the EC concurred with staff to 1: Authorize the General Manager to execute an Agreement with Pacific Hydrotech Corporation for the construction of the Encinitas Estates Pump Station Replacement Project in an amount not to exceed \$1,797,000 as the lowest responsive and responsible bidder; and

2: Authorize an additional appropriation of \$1,134,000 to complete the construction and the associated soft costs.

- E. Authorize the General Manager to execute an Amendment No. 7 to Task Order 38 with Infrastructure Engineering Corporation for engineering support services during the construction of the Encinitas Estates Pump Station Replacement Project in an amount not to exceed \$75,680.

TSM Morishita presented this item. He explained that IEC's services include attending pre-construction and progress meetings, review and process submittals and shop drawings, respond to requests for information, design plan revisions when required, and prepare record drawings upon project completion.

The EC concurred with staff to authorize the General Manager to execute an Amendment No. 7 to Task Order 38 with Infrastructure Engineering Corporation for engineering support services during the construction of the Encinitas Estates Pump Station Replacement Project in an amount not to exceed \$75,680.

- F. Authorize the General Manager to execute an Agreement with Mavteck for construction management services during the construction of the Encinitas Estates Pump Station Replacement Project in an amount not to exceed \$90,000.

TSM Morishita presented this item. He stated that construction management services consist of contractor oversight, negotiate change orders, construction inspection and administration. He went on to state that Mr. Maverick Madsen (Mavteck) has a proven track record of providing excellent CM services to the District.

The EC concurred with staff to authorize the General Manager to execute an Agreement with Mavteck for construction management services during the construction of the Encinitas Estates Pump Station Replacement Project in an amount not to exceed \$90,000.

5. Information Items

- A. Leucadia Pump Station Project Update.

TSM Morishita presented an update of the Leucadia Pump Station Rehabilitation Project. He described the work done on the LOX concrete pads, Surge Tank line, and the Emergency Submersible Pump line that has been installed in the Emergency Overflow Basin.

6. Directors' Comments

President Juliussen expressed gratitude and commendation for all staff and their continued hard work.

7. General Manager's Comments

None.

8. Adjournment

President Juliussen adjourned the meeting at approximately 10:42 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)