

LEUCADIA WASTEWATER DISTRICT
 Minutes of an Engineering Committee Meeting
 May 1, 2018

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Tuesday, May 1, 2018 at 8:30 a.m., at the LWD Administration Office located at 1960 La Costa Avenue, Carlsbad, California.

1. Call to Order

Chairperson Juliussen called the meeting to order at 8:30 a.m.

2. Roll Call

DIRECTORS PRESENT: Juliussen and Kulchin

DIRECTORS ABSENT: None

OTHERS PRESENT: General Manager Paul Bushee; Technical Services Manager Robin Morishita; Field Services Superintendent Jeffery Stecker; Field Services Supervisor Marvin Gonzalez; District Engineer Representative Natalie Fraschetti; and Jane Costello and Marie Fawcett from Infrastructure Engineering Corporation.

3. Public Comment

None.

4. New Business

- A. Receive and file the Leucadia Pump Station Rehabilitation Preliminary Design Report completed by Infrastructure Engineering Corporation (IEC).

TSM Morishita presented staff's recommendation. He provided background information on the project and the reason for developing the Preliminary Design Report (PDR). He stated that the PDR establishes the framework for the project. TSM Morishita reviewed the seven key rehabilitation recommendations, including installing five new dry pit submersible pumps, installing three new Variable Frequency Drives, repositioning of the check valves, and replacing the discharge header. He continued that this major pump station rehabilitation will require bypassing the pump station. He stated that staff agrees with the PDR recommendations.

After discussion, the EC concurred with staff to recommend that the Board receive and file the Leucadia Pump Station PDR.

- B. Authorize the General Manager to execute Amendment No. 4 to Task Order No. 29 to the Engineering Design Services Agreement with Infrastructure Engineering Corporation (IEC) for engineering design services for the Leucadia Pump Station Rehabilitation Project in an amount not to exceed \$180,200.

TSM Morishita presented staff's recommendation. He stated that the Preliminary Design Report has been completed and the project is transitioning into the final design phase. He reviewed the major project components with the EC. TSM Morishita stated that the estimated construction cost without contingency is \$2,454,000. He said that

IEC has submitted a design proposal with a fee of \$180,200. He continued that staff has reviewed the proposal and has determined the proposal to be fair and reasonable. TSM Morishita said that the proposed fee is 7.3% of the estimated construction cost.

After discussion, the EC concurred with staff to recommend that the Board authorize the General Manager to execute Amendment No. 4 to Task Order No. 29 with IEC for engineering design services for the Leucadia Pump Station Rehabilitation Project in an amount not to exceed \$180,200.

5. Information Items

A. Update of the Poinsettia Train Station Parallel Gravity Pipeline Project.

TSM Morishita presented an update of Poinsettia Train Station Parallel Gravity Pipeline Project. He said that SANDAG had concerns that the area owned by Encina Wastewater Authority, where the new parallel line will connect to the Occidental Trunk Line, contained wetlands and vernal pools. He continued that a biologist representing SANDAG inspected the area and determined that the construction would not impact any environmentally sensitive areas. TSM Morishita said that SANDAG issued a letter stating that construction could continue without special conditions or mitigation. He stated that excavation of the receiving pit started on April 26th, but was stopped after a fiber optic cable was exposed. TSM Morishita said that the issue has been resolved and that excavation will continue on Wednesday, May 2nd. He said that the pre-purchased Jensen Manholes have been manufactured and are being stored by Jensen Precast until the contractor is ready to receive them.

B. Evaluation to Rebuild or Replace the Large Mobile Emergency Bypass Pump

FSSupt Stecker presented the evaluation to rebuild or replace the Large Mobile Emergency Bypass Pump (Big Blue). He continued that Big Blue is 20 years old and will be non-compliant under the updated Air Pollution Control District emissions standards in January 2020. He stated that the evaluation determined that the cost to rebuild the motor and pump for Big Blue (\$150,000) exceeded 80% of the \$179,000 price of a new pump. FSSupt Stecker said that as a result of the evaluation it is recommended that a new pump be purchased instead of rebuilding Big Blue. He continued that, additionally, Big Blue has reached the end of its useful life and newer pumps have improved features and controls that were not available 20 years ago.

The EC agreed with the results of the evaluation and directed staff to move forward with pump procurement in Fiscal Year 2019.

6. Directors' Comments

None.

7. General Manager's Comments

None.

8. Adjournment

Chairperson Juliussen adjourned the meeting at approximately 9:16 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)