

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
May 6, 2020

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Wednesday, May 6, 2020 at 9:00 a.m., via video conference.

1. Call to Order

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

2. Roll Call

DIRECTORS PRESENT: Kulchin, Juliussen

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; District Engineer Dexter Wilson; Robert Weber of Infrastructure Engineering Corporation; General Counsel Wayne Brechtel; and Administrative Specialist Mark Brechbiel

3. Public Comment

None.

4. New Business

- A. Adopt Ordinance No. 141 - An Ordinance of the Board of Directors of the Leucadia Wastewater District Establishing the District's Capacity Fee and Amending the EDU Factors Capacity Fee Schedule.

FSSpec Riffel presented information to the EC pertaining to amending the Equivalent Dwelling Unit (EDU) Factors proposed in Ordinance 141.

He stated that the State of California is continuing to pass housing legislation in an effort to battle the state's housing crisis and one of the tools the state is using to aid in that effort is the promotion of Accessory Dwelling Units (ADU's) and Junior Accessory Dwelling Units (JADU's). The units are constructed on existing single family or multi-family residences.

He further explained and defined what an ADU and JADU are. An ADU being a maximum of 1,200 square feet and containing an individual kitchen and bathroom. An ADU built within an existing structure is generally exempt from sewer capacity fees whereas if built outside an existing structure remains subject to sewer capacity fees. A JADU is defined as being 500 square feet or less, built within an existing structure and may share a kitchen and bathroom with the primary dwelling. JADU's are exempt from sewer capacity fees due to being constructed within an existing dwelling.

FSSpec Riffel explained that Ordinance 141 adjusts the ADU and JADU EDU factors based on square footage, clarifies the ADU category to include JADU, creates an additional sub-category for an ADU or JADU of 500 square feet or less, and clarifies that a JADU will be assessed an EDU factor only if it has an individual kitchen and bathroom.

FSSpec Riffel concluded by stating that these minor changes will result in a reduction of approximately 25 EDU's and a reduction of approximately \$9,500 per year in sewer service fees.

Following discussion, the EC concurred with staff to recommend that the Board of Directors adopt Ordinance No. 141 – Establishing the District's Capacity Fee and Amending the EDU Factors Capacity Fee Schedule.

B. Authorize the General Manager to execute a two-year extension to the Infrastructure Engineering Corporation (IEC) contract for as needed engineering design services.

TSM Morishita presented staff's recommendation to the EC for a proposed 2-year extension to the IEC contract.

He indicated that the initial 3-year contract was slated to expire May 1, 2020. However, due to the cancellation of the April 2020 Board Meeting because of the COVID-19 pandemic, a verbal agreement was made to extend the contract beyond May 1st and until the May 2020 Board Meeting.

He further explained that during the initial 3-years, IEC provided design and construction support to 13 LWD Capital Improvement projects.

TSM Morishita stated that the proposed extension would expire May 1, 2020 and would have no specific compensation amount but instead would be issued using Task Orders for each project. He said that the execution of a Task Order or Task Order Amendment would comply with the Procurement Policy thresholds.

Following discussion, the EC concurred with staff to recommend that the Board of Directors authorize the General Manager to execute a two year extension to the IEC contract for as needed engineering design services.

C. Authorize the General Manager to execute a sole source five-year professional services agreement with ADS Environmental Service, Corporation (ADS) for equipment maintenance and analysis of data for ten (10) ECHO depth meters in an amount not to exceed \$80,400.

FSSup Stecker presented staff's recommendation. He explained that LWD entered into a Professional Services Agreement with ADS in 2017 to operate a depth monitoring network of (10) ECHO SSO/depth monitors for the District.

He explained that during the last three year trial period, staff observed several beneficial factors provided by the ECHO meters. One of the benefits is that it integrates into the existing ADS Flow Meter (FM) software so that staff can access both the FM information and the ECHO meter depth information in one program making it efficient and user friendly for staff. Another is the flexibility of the ECHO meters. The meters can be moved with ease through the collection system to help identify areas with high inflow and infiltration, as needed.

ADS provided a three and five year lease option for consideration. The five year option saves the District a total of \$3,600 over the course of the five year term.

Following discussion, the EC concurred with staff to recommend that the Board of

Directors authorize the General Manager to execute a five-year agreement with ADS for equipment maintenance and analysis for 10 ECHO depth meters in an amount not to exceed \$80,400.

- D. Authorize the General Manager to execute Amendment No. 1 to the agreement with Evoqua Water Technologies, LLC (EWT) to furnish and deliver Bioxide on an interim basis in an amount not to exceed \$2.33 per gallon or an estimated \$122,000 per year.

FSSup Stecker presented staff's recommendation. He explained the history the District has with Evoqua dating back to 2006 when Bioxide was selected as an effective chemical to prevent and control formation of hydrogen sulfide (H₂S) in the Leucadia Pump Station (LPS) Force Mains. Over time, however, the efficacy of the Bioxide was reduced and the cost for the chemical was quite high.

He stated that in March of 2018 staff executed an agreement with EWT to begin a 120-day trial to use a new chemical to control the H₂S called Ferrous Chloride (Ferrous). Ferrous was more effective at reducing the H₂S levels than Bioxide and was more cost effective.

FSSup Stecker further explained that the Ferrous was later determined to be the cause of an issue with the District's air/vacuum relief valves (air vacs) on the force mains and was subsequently turned off.

The H₂S levels have significantly increased and it is being recommended that Bioxide be used to control those levels in the interim while the LPS is undergoing a rehabilitation. Once the rehabilitation project is completed, a super-oxygenation system will be in place and the use of Bioxide will no longer be needed.

Following discussion, the EC concurred with staff to recommend that the Board of Directors authorize the General Manager to execute Amendment No. 1 to the agreement with Evoqua to furnish Bioxide on interim basis in an amount not to exceed \$2.33 per gallon or an estimated amount of \$122,000 per year.

5. Information Items

- A. Batiquitos (B3) Discharge Section Replacement Project Update

TSM Morishita briefly explained that the B3 project is nearly complete. The only item remaining is the lining of one more manhole. He anticipates project completion in May.

- B. Impacts of the April 10th Major Storm Event

DE Wilson described the major storm event in terms of flow. The average flow on a dry weather day is 3.7 mgd. This was increased to 8.2 mgd on April 10, 2020.

He further compared this event to other events in the past which indicated that the April 10th event had a greater impact on the system's flow than the others.

He then showed a map that showed the amount of infiltration in different sections of the collection system. One section had a 313% increase on April 10th over its typical flow.

DE Wilson stated the importance of the ADS Flow Monitoring System in gathering and providing the flow data for evaluation.

In conclusion, he commended the Operations staff for their diligence and hard work as they were attending to several system and flow alarms that day. In addition, the system design worked exactly as it should and there were no reportable spills.

6. Directors' Comments

Director Juliussen commended staff for continued hard work. He expressed his gratitude not only for the work put in during the storm even but also under the unusual circumstances with COVID-19.

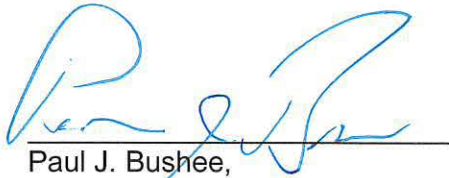
7. General Manager's Comments

GM Bushee echoed Director Juliussen and commended staff for their hard work during these difficult times.

Director Kulchin asked how the current red tide is affecting the system. GM Bushee indicated that there is no impact on the system functions but the odor coming from the organic matter has increased odor complaints to the district office.

8. Adjournment

Director Juliussen adjourned the meeting at approximately 9:53 a.m.



Paul J. Bushee,
Secretary/Manager
(Seal)