

LEUCADIA WASTEWATER DISTRICT
Minutes of an Engineering Committee Meeting
September 2, 2025

A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD or District) was held on Tuesday, September 2, 2025 at 1:30 p.m., at the LWD Administration Office located at 1960 La Costa Avenue, Carlsbad, California.

1. Call to Order

Chairperson Pacilio called the meeting to order at 1:29 p.m.

2. Roll Call

DIRECTORS PRESENT: Pacilio, Brown (via zoom)

DIRECTORS ABSENT: None

OTHERS PRESENT: General Manager Paul Bushee; Field Services Superintendent Marvin Gonzalez; Field Services Supervisor Gabe Mendez; Field Services Supervisor Mauricio Avalos; District Engineer Dexter Wilson; Capital Project Manager Ian Riffel; FST I Matthew Anderson, FST II Jeffrey Pivaral; and Kathleen Noel from Dexter Wilson

3. Public Comment

None.

4. Leucadia Pump Station (L1) Force Main Condition Assessment – Award of Sole Source.

Authorize the General Manager to execute a sole source contract with CPM Pipelines for condition assessment services for the Leucadia Pump Station (L1) Force Main in an amount not to exceed \$72,575.

CPM Riffel presented the recommendation to the EC. He provided a brief project background.

CPM Riffel explained the District's initial approach involved a conventional condition assessment to remove pipe samples at two high points on the force main, which are susceptible to hydrogen sulfide corrosion, for evaluation by a corrosion engineer. He said that in September 2024, the District issued a RFP and received only one proposal for \$372k.

CPM Riffel said that due to the high proposal, the District explored alternative condition assessment methods which included a pressure monitoring system and the INGU Pipers Smartball (Smartball). He continued that a preliminary estimate to rehabilitate the eastern section of force main by lining was around \$6M.

CPM Riffel stated that staff recommends the Smartball because it is a cost effective approach capable of detecting key indicators such as leaks, gas pockets, metal loss, buildup, and hydraulic grade line readings. He noted that the Smartball will assess the entire L1 force main, including the high point within the CALTRANS right of way, and that references were contacted and confirmed the Smartball's effectiveness.

GM Bushee explained that L1 is ductile iron pipe which makes the material vulnerable to crown corrosion from the presence of hydrogen sulfide gases. He mentioned that this type of corrosion has been observed on past projects involving ductile iron force mains. He continued that the cost of corrosion assessment technology has significantly decreased since 2016 when the District last evaluated similar tools for the L1 west section.

Director Brown confirmed that the proposed assessment includes the entire L1 alignment, including the newer western section, and inquired about its location. Staff answered the questions.

Following discussion, the EC concurred with staff to forward the recommendation to the Board.

5. Award of Purchase Agreement to Plumber's Depot for a Trailer-Mounted Jetter

Authorize the General Manager to execute an Agreement with Plumber's Depot for the purchase of a new trailer-mounted jetter in an amount not to exceed \$84,484.90.

FST Anderson and FST Pivaral presented the recommendation to the EC. FST Anderson stated this item is a FY26 tactical goal and provided a brief background of the project.

FST Anderson stated that the mini jetter is a critical tool used to clean nearly 800 gravity sewer segments throughout the District that are difficult to access. He stated that the mini jetter is compact and has the capability to reach sewer segments located on the golf course and within easements. He continued that the mini jetter is 13 years old and now requires replacement.

FST Pivaral continued that current mini jetter has recently required multiple repairs which have resulted in downtime. He said that staff requested quotes and demonstrations from three vendors for field evaluation. He said that two vendors, Plumber's Depot and Haaker Equipment Company (Haaker), provided demonstrations. FST Pivaral noted Plumber's Depot's mini jetter had additional safety features and operated more quietly compared to the Haaker mini jetter. Additionally, he noted that Haaker's mini jetter did experience operational issues during the field evaluation and was not able to perform properly.

FST Pivaral continued that the District received three quotes with the lowest quote submitted by Plumber's Depot for the US Jetting mini jetter in the amount of \$84,484.90. Additionally, Plumber's Depot offered to purchase the District's current mini jetter for \$8k, which would reduce the total net purchase price to \$76,484.90.

Following discussion, the EC concurred with staff to forward the recommendation to the Board.

6. Information Items

- a. CPM Riffel provided an update to the Rancho Verde Pump Station Rehabilitation Project. The EC asked several questions regarding the project and staff answered their questions.
- b. CPM Riffel provided an update to the Batiquitos Pump Station Drywell Concrete Repair Project. The EC asked several questions regarding the project and staff answered their questions.

7. Directors' Comments


None.

8. General Manager's Comments

None.

9. Adjournment

Chairperson Pacilio adjourned the meeting at approximately 2:14 p.m.



Paul J. Bushee,
Secretary/Manager
(Seal)