

**LEUCADIA WASTEWATER DISTRICT**  
Minutes of an Engineering Committee Meeting  
May 7, 2014

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A meeting of the Engineering Committee (EC) of Leucadia Wastewater District (LWD) was held on Wednesday, May 7 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 Steve Deering; and Jamie Fagnant from Infrastructure Engineering Corporation

**3. Public Comment**

None.

**4. New Business**

- A. Receive and file the 2014 Pump Stations Assessment Report completed by Infrastructure Engineering Corporation.

TSM Morishita presented the item to the Committee. He stated that the 2013 Asset Management Plan (AMP) recommended that a pump station condition assessment be conducted to identify pump station rehabilitation projects for the Capital Improvement Program (CIP). He said that staff executed an agreement with Infrastructure Engineering Corporation (IEC) to conduct the 2014 Pump Stations Assessment. TSM Morishita explained that the assessment team consisted of personnel from both the District and IEC. He said that IEC collected input from District staff and then the assessment team conducted pump station site visits. He explained that IEC then categorized their findings into discrete and clearly defined projects that they recommend that the District accomplish in the next five years. TSM Morishita stated that the projects listed in the report, with the exception of the Encina Effluent Pump Station (EEPS), have been included in the FY 2015 Capital Budget. The EEPS discrepancies are being addressed using operations and maintenance funds in the current and next fiscal years.

TSM Morishita explained the recommendation to consider the eventual phase out of the existing Smith & Loveless metal can pump stations and replace them with submersible pump stations.

Director Kulchin asked Jamie Fagnant to explain how the site visits were conducted. Ms. Fagnant described the process from gathering written input from District staff, verifying the discrepancies during the site visit, adding additional observations from the visit, and formulating a final list for each pump station that is included in the report.

Directors Juliussen and Kulchin asked that the estimated \$4.7M cost over the next five years to complete the recommended pump station projects be included in the explanation of the proposed rate increase to District customers. GM Bushee stated that he had planned to do so.

After discussion, the EC concurred with staff to present the report to the Board for acceptance at the May 2014 Board meeting.

## **5. Information Items**

### **A. La Costa Pump Station Rehabilitation Project**

TSM Morishita reported that Piperin Corporation completed work on the La Costa Pump Station Rehabilitation Project on April 18, 2014. He stated that the Notice of Completion was submitted to the County of San Diego on April 22, 2014. TSM Morishita said that four change orders totaling \$29,709.47, 12.3% of the original contract amount of \$242,000, were issued during the project. He said the final project cost was \$271,709.47.

### **B. Gravity Line Rehabilitation Project**

TSM Morishita reported that staff continues to work with Sancon on final costs because the additional work was done on a time and materials basis instead of a fixed cost quote to reduce project costs. He said that the preliminary cost submission indicate that a significant amount of savings resulted from using the time and materials method of Cured-in-Place Pipe construction.

### **C. B2 Force Main Replacement Project**

TSM Morishita reported that the project team met with the City of Carlsbad Staff to discuss the realignment of the B2 Force Main into the south bound lanes of Highway 101. He stated that Carlsbad staff was receptive to the realignment and that Carlsbad staff will have internal discussions about the proposed realignment before giving the District their formal concurrence.

TSM Morishita briefed the EC about the concept of replacing the B1, secondary effluent force main, simultaneously with the B2 replacement. He explained that the B1 line is 40 years old and the replacement B1 line can be installed in the same trench as B2, which will provide a significant savings in construction cost if the B1 were replaced separately. TSM Morishita explained that the cost to install B1 would be drawn from the recycled water reserves. He stated that adequate funds will remain in the recycled water reserves after the B1 construction is complete.

After discussion, the EC concurred with staff's proposal to replace the B1 Force

Main simultaneously with B2 and asked staff to include the appropriation in the FY 2015 Budget.

**6. Director's Comments**

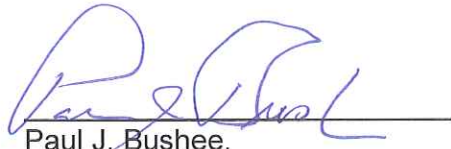
Director Juliussen asked staff to ensure that the Disaster Preparedness Planning, to be conducted in FY 15, address the effects of a possible 100 year flood on the Batiquitos Pump Station.

**7. General Manager's Comments**

None.

**8. Adjournment**

Chairperson Juliussen adjourned the meeting at approximately 9:15 a.m.



Paul J. Bushee,  
Secretary/Manager  
(Seal)