



## **TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 7, 2018**

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### **DIRECTORS PRESENT**

Edward Mandich, Committee Chair  
Stephen Dopudja, Committee Member

### **STAFF PRESENT**

Michael Perea, Interim General Manager  
Lorrie Lausten, Principal Engineer  
Gary Kessler, Water Department Superintendent  
Kris Hanberg, Wastewater Department Superintendent  
Jason Stroud, Maintenance Department Superintendent  
Karen Warner, Senior Accountant  
Lisa Sangi, Administrative Assistant

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Mandich called the November 7, 2018 Engineering/Operational Committee Meeting to order at 7:00 AM.

### **VISITOR PARTICIPATION**

No comments were received.

### **ORAL COMMUNICATION**

No comments were received.

### **COMMITTEE MEMBER COMMENTS**

Director Mandich commented on the General Election the prior day.

### **REPORT FROM THE INTERIM GENERAL MANAGER**

Mr. Perea commented on some of the Propositions on the General Election ballot.

Mr. Perea reported that a fire hydrant had been struck by a vehicle and damaged in the Dove Canyon community, but unfortunately, there was no observed accident.

Mr. Perea mentioned that the District had been selected by the Association of California Water Agencies Joint Powers Association (ACWA JPIA) as one of twenty-one winners of the H.R. LaBounty Safety Award for the recently purchased Valve Exercising Vehicle. Mr. Perea added that both he and Mr. Stroud would be attending the ACWA JPIA Board of Directors Meeting on Monday, November 26, 2018 when the winners are formally announced.

### **ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

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Mr. Perea presented the recap for Committee review in accordance with the agenda.

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**RECOMMENDED ACTION**

Director Mandich and Director Dopudja recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

**PROJECT MANAGEMENT**

**ITEM 2: VIA ALLEGRE WET WELL EXPANSION PROJECT**

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Ms. Lausten provided a brief status update on this project, she mentioned that a project kick-off meeting was held with GCI Construction. Ms. Lausten briefly discussed the proposed emergency facility entrance from Plano Trabuco Road, and she reported that she attended the Rancho Cielo Home Owners Association (HOA) Meeting with the District's Right-Of-Way Consultant. Ms. Lausten reviewed the matters discussed at the HOA Meeting, which included concerns related to the condition of a V-Ditch adjacent to the District's facility and an unresolved matter related to easement with a neighboring HOA. Ms. Lausten mentioned that she planned on returning the following month to provide an update regarding the HOA's concerns. Discussion occurred concerning the proposed emergency facility entrance at Plano Trabuco Road. The Committee recommended that District staff coordinate with the HOA for after-hours access to the District's facilities within the community.

**RECOMMENDED ACTION**

The Committee received the status update and recommended that District staff coordinate for after-hours access to the community.

**ITEM 3: DOVE AND ROBINSON RANCH RECYCLED WATER PUMP STATION REHABILITATION PROJECT**

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Ms. Lausten provided a brief status update on this project, and she reported that the Technical Memorandum prepared by JIG Consultants was included for Committee consideration and review. Discussion occurred concerning certain sections of the Technical Memorandum. The Committee recommended extending the review of the Technical Memorandum until the following Committee Meeting. Discussion occurred concerning the project budget.

Mr. Perea reported that District staff met with Santa Margarita Water District (SMWD) concerning the possibility for joint recycled water opportunities.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 4: SANTIAGO CANYON ROAD PIPELINE IMPROVEMENTS PROJECT**

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Mr. Perea briefly commented on this project, and he mentioned that the project was completed despite some unforeseen challenges. Ms. Lausten provided a brief status update on this project, and she reviewed the contract change order submitted by the contractor. Ms. Lausten highlighted the project-related challenges and presented a PowerPoint that included updated construction photos for Committee review. Mr. Perea commended both Ms. Lausten and Water Operations staff for their diligent work on this project.

**RECOMMENDED ACTION**

The Committee received the status update and recommended that the Board of Directors authorize the Interim General Manager to execute Contract Change Order No. 2 with Ferreira Construction in the amount of \$76,070.36 (Action Calendar).

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**ITEM 5: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT**

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Ms. Lausten provided a brief update on this project, and she commented that Hazen (Consultant) was currently working on design submittals. Ms. Lausten briefly reviewed a project cost shares related to the original project budget and the revised project budget based on updated costs. Discussion occurred concerning project timeline for completion and budgetary impacts.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 6: ROBINSON RANCH WASTEWATER TREATMENT PLANT PUMP IMPROVEMENTS**

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Mr. Perea presented this matter for Committee review, and he mentioned that these pump improvements for the Wastewater Treatment Plant (WWTP) have been planned for some time. Mr. Perea highlighted the pumps identified for replacement and briefly reviewed a PowerPoint presentation with photos of the existing equipment applications. Mr. Hanberg briefly reviewed the current operational practices with the Committee, and he highlighted the operational benefits and improvements of the proposed pumps. Discussion occurred concerning the Fiscal Year 2018/2018 pump replacement budget.

**RECOMMENDED ACTION**

The Committee received the status update and made the following recommendations:

1. Recommend the Board of Directors authorize the Interim General Manager to purchase two (2) replacement Aeration Mixed Liquor Pumps from Tekdraulics for a not to exceed amount of \$107,125.15 (Action Calendar).
2. Recommend the Board of Directors authorize the Interim General Manager to purchase one (1) replacement Aerobic Digester Decant Pump from Tekdraulics for a not to exceed amount of \$19,542.45 (Action Calendar).
3. Recommend the Board of Directors authorize the Interim General Manager to purchase one (1) replacement Belt Press Feed Pump from Tekdraulics for a not to exceed amount of \$19,973.45 (Action Calendar).

**ITEM 7: DISCUSSION CONCERNING GROUNDWATER OPPORTUNITIES IN TRABUCO CANYON WATER DISTRICT'S SERVICE AREA**

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Mr. Perea provided an update on this matter, and he reported that he met with the owner of the well to discuss entering into an agreement for the purchase of groundwater. Mr. Perea reported that District staff have completed some minor maintenance to the onsite equipment and minor landscaping areas of the well per the terms of the prior agreement.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 8: OTHER ENGINEERING AND OPERATIONS PROJECTS**

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**1. El Toro Sewer Lift Station Improvements**

Mr. Perea commented that Irvine Ranch Water District (IRWD) staff have requested to meet with District staff to review an agreement with Santa Margarita Water District (SMWD) to swap wastewater system capacities in the El Toro Trunk Sewer System. Mr. Perea mentioned that IRWD and SMWD have requested that the District consent to the agreement by signature, and that he has forwarded the agreement form to District Legal Counsel for their review.

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**2. Supervisory Control and Data Acquisition (SCADA) System:**

Ms. Lausten provided a brief project update, and she mentioned that Beavens Systems and TESCO Controls (SCADA Consultants) would be onsite to set up the District tablets for Water and Wastewater Operations staff.

**3. District Facilities Security Site Improvements:**

Mr. Perea briefly mentioned that a vehicle was stranded on Porter Property on November 1, 2018. Mr. Perea added that the vehicle was removed by the owner, and he commented that the recently installed swing gates at the lower property access road prevented further trespassing on the property.

**4. Other Projects:**

There were no other projects presented for Committee review.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 9: SADDLE CREST DEVELOPMENT (65 DU's | WSL)**

Ms. Lausten provided a brief status update on this development, and she highlighted the onsite reservoir cost sharing components between the District and the Developer per the agreement. Ms. Lausten reported that the Developer has contracted with Paso Robles Tank, Inc. for the construction of the onsite reservoir. Discussion occurred concerning the increase in costs related to the construction of the reservoir; Ms. Lausten commented that the cost for steel has significantly increased and has therefore impacted the onsite reservoir construction budget.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 10: WATER SYSTEM UPDATES**

Mr. Kessler reviewed the projects and repairs for October 2018 and he provided the additional highlights:

1. Water Operations staff assisted a contractor with a main transmission pipeline break adjacent to Regency Drive in the City of Lake Forest.
2. Water Operations staff assisted a contractor with a hydrant lateral break at Saint Michael's Abbey.
3. Water Operations staff repaired three water main breaks on the following streets:
  - a. Mayfair Drive (Trabuco Highlands community)
  - b. Silvertree Lane (Trabuco Highlands community)
  - c. Golf Ridge Drive (Dove Canyon community)
4. Water Operations staff repaired a broken valve on Las Nubes in the Rancho Cielo community.
5. Water Operations staff repaired a broken water service on Summitcrest in Dove Canyon.

Mr. Kessler reviewed the Monthly Water System Operations Summary, and he reported that the Water Operations staff exercised sixty-one (61) valves in the Rancho Cielo and Walden communities.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

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**ITEM 11: WASTEWATER SYSTEM UPDATES**

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Mr. Hanberg reviewed the projects and repairs for October 2018 and he provided the additional highlights:

1. Wastewater Operations staff re-piped the chlorine dosage lines in the Chlorine Building at the Robinson Ranch WWTP.
2. Wastewater Operations staff worked with Southern California Edison (SCE) to identify energy saving opportunities for the aeration system at the Robinson Ranch WWTP.
3. Wastewater Operations staff exposed the six-inch (6") Belt Press drain line for the installation of a pipeline clean out.
4. Wastewater Operations staff procured quotes for solar power panels for the Robinson Ranch WWTP and Administration Facility.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary. Mr. Hanberg briefly mentioned that District staff have procured solar power installation quotes for the Wastewater Treatment Plant and Administration Facility. Discussion occurred concerning the placement of solar panels for the WWTP and project initial costs and subsequent returns.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 12: OTHER MATTERS/REPORTS**

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Mr. Perea reported that Ms. Lausten was scheduled to attend a Federal Emergency Management Agency (FEMA) Grant Funding Meeting related to the District pursuit of a backup electrical power generator grant.

Mr. Perea commented that the office would be closed the following Monday in observance of the Veteran's Day Holiday.

**RECOMMENDED ACTION**

There was no action taken.

**ADJOURNMENT**

Director Mandich adjourned the November 7, 2018 Engineering/Operational Committee Meeting at 8:10 AM.