



## **TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 9, 2019**

---

### **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

### **CONSULTANTS PRESENT**

Joey Gutierrez, JIG Consultants

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Mandich called the January 9, 2019 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**

No comments were received.

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

Mr. Perea wished all in attendance a Happy New Year.

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

---

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

### **RECOMMENDED ACTION**

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

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 9, 2019**

**PROJECT MANAGEMENT**

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

---

Ms. Lausten provided a brief status update on this project and she reported that GCI Construction (Contractor) had completed the installation of the new wet well. Ms. Lausten provided an overview of the project schedule and highlighted the onsite monitoring services to ensure that the project-related work did not adversely impact the neighboring property. Discussion occurred concerning plans for the anticipated rain events; Mr. Hanberg reported that the Contractor has an onsite sump pump to remove any excess water from the rain events.

**RECOMMENDED ACTION**

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

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

---

Ms. Lausten provided a brief status update on this project, and she introduced Mr. Joey Gutierrez (JIG Consultants) to the Committee. Ms. Lausten mentioned that District staff was seeking final recommendations from the Committee related to the DRAFT Engineering Study for Dove Canyon & Robinson Ranch Recycled Water Pump Station Rehabilitation (“Report”). Mr. Gutierrez delivered a PowerPoint presentation related to the matters discussed in the Report. Discussion occurred concerning the Report. Director Dopudja asked District Operations staff for their feedback related to the presented recycled water reservoir options at the proposed locations and if there was an operational need to construct the facilities at the engineer cost estimates and worth the savings of \$1M; Mr. Hanberg responded that the facility options as presented was cost prohibitive in his opinion, and that there are more higher priority capital improvement projects. Discussion occurred concerning the project challenges as presented and possible strategies for future recycled water system expansion planning. Director Mandich commented on the planned improvements to the existing recycled water system. Mr. Perea thanked Mr. Gutierrez for his work on the Report and related presentation.

**RECOMMENDED ACTION**

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

**ITEM 4: CANYON CREEK BOOSTER PUMP STATION EVALUATION**

---

Ms. Lausten provided an update on this project, and she reported that JIG Consultants has prepared a Draft Evaluation Report of the District’s Canyon Creek Booster Pump Station (“Report”) for the purpose of analyzing the overall condition of the facility and proposed improvements. Mr. Gutierrez briefly reviewed the Report with the Committee, and he highlighted the proposed safety improvements and discussed the existing project constraints. Discussion occurred concerning the estimated costs for the facility improvements; Mr. Perea briefly highlighted possible grant funding opportunities for the proposed improvements.

**RECOMMENDED ACTION**

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

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

---

Ms. Lausten provided a brief update on this project, and she reported that District staff received the ninety percent (90%) design submittal from Hazen prior to the end of the year. Ms. Lausten briefly reviewed the updated project schedule with the Committee.

**RECOMMENDED ACTION**

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

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 9, 2019**

**ITEM 6: DISTRICT 2018 PRE-DISASTER MITIGATION (PDM) GRANT APPLICATION STATUS UPDATE**

---

Ms. Lausten presented this matter for Committee review, and she reported that District staff have applied for the Federal Emergency Management Agency (FEMA) 2018 Pre-Disaster Mitigation Grant related to the purchase of backup power generation equipment. Ms. Lausten added that the District's grant application totals \$1.3M for the purchase of backup power generators for six (6) District facilities, and she reviewed the FEMA grant timeline schedule with the Committee. Ms. Lausten mentioned that the process is highly competitive and that applicant agencies can apply an annual basis if not selected. Discussion occurred concerning the FEMA grant process. Director Mandich commended District staff for pursuing the grant opportunity.

**RECOMMENDED ACTION**

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

**ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS**

---

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

Mr. Perea provided a brief update on last month's minor improvements and he reported that District staff is currently working with vendors on procuring replacement pumps.

**2. Robinson Ranch Wastewater Treatment Plant Pump Improvements:**

Mr. Perea provided a brief update on this project and he mentioned that the pumps have a twelve-week fulfillment.

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

Mr. Perea provided a brief update on this project, and he mentioned that District Operations staff will be meeting with TESCO to discuss the project next steps, including new software selection and radio study process.

**4. Department of Water Resources Emergency Action Plan Development for Trabuco Canyon Water District Dams:**

Ms. Lausten provided an update on this matter, and she reported that District staff has submitted information related to Dove and Trabuco Dams in accordance with Department of Water Resources regulations.

**5. Other Projects:**

Mr. Perea reported that District staff has reviewed the available grant opportunities for District improvement projects and has submitted a list of seven District projects to Soto Resources for review. Mr. Perea added that Soto Resources has been contracted by the Municipal Water District of Orange County (MWDOC) for member agency grant writing assistance. Discussion occurred concerning Proposition 1 grant funding opportunities. Director Mandich commended District staff for pursuing grant funding opportunities.

Discussion occurred concerning the impacts of the Holy Fire debris flow due recent rain events.

**RECOMMENDED ACTION**

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

**ITEM 8: SADDLE CREST DEVELOPMENT (65 DU's | WSL)**

---

Ms. Lausten provided a brief status update on this development, and she provided a handout of the potential reservoir tank colors. Ms. Lausten briefly reviewed a drone aerial video of the reservoir site preparation. Ms.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 9, 2019**

Lausten added that both she and Mr. Kessler would leave later that day to inspect the reservoir materials in Paso Robles.

**RECOMMENDED ACTION**

The Committee recommended that this matter be forwarded to the Board for review (Action Calendar).

**ITEM 9: WATER SYSTEM UPDATES**

---

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

1. Water Operations staff prepared for and conducted the Annual Inspection of the District's Water System with the Department of Public Health.
2. Water Operations staff repaired a broken valve on Shadow Rock Lane in the Trabuco Highlands Community.
3. Water Operations staff replaced the pneumatic rams and electric solenoids on the small water filters at the Dimension Water Treatment Plant.

Mr. Kessler reviewed the Monthly Water System Operations Summary, and he reported that the Water Operations staff exercised eighty (80) valves in the Robinson Ranch and Trabuco Highlands Communities.

**RECOMMENDED ACTION**

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

**ITEM 10: WASTEWATER SYSTEM UPDATES**

---

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

1. Wastewater Operations staff installed new sodium hypochlorite peristaltic pumps at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Wastewater Operations staff worked with a contractor to remove eucalyptus trees next to the Operations Building at the WWTP.
3. Wastewater Operations staff performed construction inspection on the Via Allegre Sewer Lift Station Wet Well Expansion Project.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee, and he mentioned that Dove Lake freeboard was currently at thirteen (13) feet. Discussion occurred concerning recycled water capacity in the recycled water reservoir.

**RECOMMENDED ACTION**

The Committee received the status update and recommended that the Board of Directors receive and file the 2018 Sewer System Monitoring Program Audit (Consent Calendar).

**ITEM 11: MAINTENANCE DEPARTMENT UPDATES**

---

Mr. Stroud reviewed the projects and repairs for December 2018, and he provided the additional highlights:

1. Maintenance Department staff worked with Global Power (Consultant) to perform routine backup power generator maintenance and service at the following District facilities:
  - Heritage Sewer Lift Station
  - Bell Canyon Sewer Lift Station
  - Barneburg Sewer Lift Station
  - Golf Club Sewer Lift Station
  - El Toro Sewer Lift Station
  - O'Neill Sewer Lift Station

2. Maintenance Department staff installed the repaired pump at Tick Creek Dry Season Recovery Station.
3. Maintenance Department staff worked with vendors to service District fleet vehicles and CAT backhoe.

Mr. Stroud highlighted that the District's vector truck was currently out due to repairs, and that the District was utilizing a rental vehicle at this time.

**RECOMMENDED ACTION**

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

**ITEM 12: OTHER MATTERS/REPORTS**

---

There were no other matters to report.

**RECOMMENDED ACTION**

There was no action taken.

**ADJOURNMENT**

Director Mandich adjourned the January 9, 2019 Engineering/Operational Committee Meeting at 8:03 AM.