



## TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MAY 10, 2022

---

### **DIRECTORS PRESENT**

Stephen Dopudja, Committee Chair  
Mike Safranski, Committee Member

### **STAFF PRESENT**

Fernando Paludi, General Manager  
Michael Perea, Assistant General Manager  
Lorrie Lausten, District Engineer  
Karen Warner, Principal Accountant  
Lisa Marie Sangi, Executive Assistant  
Gary Kessler, Water Superintendent  
Jason Stroud, Maintenance Superintendent  
Oscar Ulloa, Wastewater Superintendent

### **CONSULTANTS PRESENT**

None

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Dopudja called the May 10, 2022 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 Dopudja reported on his attendance at the Association of California Water Agencies (ACWA) Conference and expressed his appreciation for staff flexibility on rescheduling the meeting.

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

Mr. Paludi reported on his attendance at the ACWA Conference.

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

---

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

### **RECOMMENDED ACTION**

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

**ITEM 2: DISCUSSION CONCERNING GOLF CLUB SEWER LIFT STATION REPAIRS & IMPROVEMENTS**

---

Mr. Paludi introduced this matter for Committee consideration. Ms. Lausten provided a brief overview of the project, and she highlighted the completed improvements at this facility. Ms. Lausten reported that both stage one/wet well pumps have failed, and the facility requires emergency backup equipment to continue to provide wastewater services to District customers. Ms. Lausten reported that District staff procured proposals from two pump vendors for three pumps, guide rail systems, and discharge elbows for the facility. Discussion occurred concerning the quality of the pump manufacturers and the guide rail systems, as well as the expected results of the condition assessment. Mr. Ulloa highlighted the condition of the phase two/dry pit pumps and the need for redundant pumps due to the current impacts of procurement delays. Ms. Lausten provided a handout which included a preliminary facility assessment completed by Hazen & Sawyer.

Director Dopudja expressed his concerns with certain operational challenges and the related improvement costs which have the potential for long-term financial impacts to the District. Discussion occurred concerning the manner in which staff provides updates concerning facility and equipment conditions for improvement planning to prevent emergency replacement. Mr. Kessler explained that Water Operations frequently reports on the condition of domestic water system facilities and infrastructure for capital improvement planning to minimize emergency replacement. Mr. Stroud concurred with Mr. Kessler’s assessment on the process for reporting needed facility improvements. Mr. Paludi reported that it has been his experience as General Manager that Operations staff has consistently brought forward concerns regarding conditions of facilities, but that the cost of refurbishment and replacement exceeds annual funding and certain projects must be deferred through project prioritization. Mr. Perea commented that staff is transparent on capital improvement plans based on their timely facility condition reports, and he recommended the Committee approve the purchase of the Tekdraulics proposal for three pumps, two guide rail systems, and two discharge elbows for \$193,286.39.

**RECOMMENDED ACTION:**

The Committee approved and recommended the Board of Directors ratify the purchase of three (3) replacement pumps, two (2) guided rail systems and two (2) discharge elbows from Tekdraulics for Golf Club Sewer Lift Station in the amount of \$193,286.39.

**ITEM 3: DISCUSSION CONCERNING THE DISTRICT’S 2021 SYSTEMWIDE MASTER PLAN AND CONDITION ASSESSMENT**

---

Mr. Paludi introduced this matter for Committee consideration, and he reported that District staff has been working with Hazen & Sawyer (Consultant) on this project. Ms. Lausten provided a review of the project schedule, and she highlighted the completed and in-progress items. Discussion occurred concerning the condition of certain District facilities and plans for improvements. Mr. Paludi mentioned that this matter would be brought back to the June Committee meeting, along with the short term and long-term decision.

**RECOMMENDED ACTION:**

Committee to receive project status updates at time of the Committee Meeting.

**ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECTS,**

---

***1. Capital Improvement Plan Budget***

Ms. Lausten presented the proposed Fiscal Year 2022/2023 Capital Improvement Plan (CIP) for Committee consideration and review, and she briefly reviewed the project list. Discussion occurred concerning certain proposed projects and the importance of an energy efficiency analysis of pump station equipment.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MAY 10, 2022**

**2. SCADA Project**

Ms. Lausten provided a project update for the Committee, and she reviewed the project schedule for Fiscal Years 2021/2022 and 2022/2023. Ms. Lausten added that District staff will be meeting with agencies and municipalities that recently completed similar projects to learn about the respective integrated software solutions. Discussion occurred concerning software solution integration and licensing models.

**3. OC Rescue Mission Meter Relocation**

Ms. Lausten provided a brief project update, and she reported that District staff has scheduled the relocation of the meter services in the coming weeks. Ms. Lausten added that District staff is working to finalize the easement related matters.

**4. AMR/AMI System Implementation**

Mr. Perea provided an update on this project, and he provided an overview of the project schedule and timeline for completion. Mr. Perea reported that District staff participated in a meeting with Ferguson to review the work management solution which will facilitate the installation portion of the project, and he added that a large meter audit would be completed at the end of the week to better understand potential installation challenges for meters larger than two inches. Mr. Perea reported that Ferguson is completing a review of the initial propagation study after the field visit demonstrated potential reduction in data collectors based on District facility layout.

**5. Other Projects**

There were no other projects presented.

**RECOMMENDED ACTION**

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

**ITEM 5: WATER SYSTEM UPDATES**

---

Mr. Kessler reviewed the projects and repairs for April 2022, and he reported that Water Operations staff has completed the following tasks:

1. Pulled new service on Snowdon in the Dove Canyon Community.
2. Replaced a struck Air Vac on Dove Canyon Dr in the Dove Canyon Community.
3. Repaired a Hydrant Bury in the Rancho Cielo Community.
4. Replaced a Curb Stop on Oak Ridge in the lower Robinson Ranch Community.
5. Replaced two fire hydrants in the Dove Canyon Community.

**Dimension Water Treatment Plant**

1. Worked with Ferreira Construction to repair a leak on the 16" water main.
2. Re-epoxied the floor in the Chlorine Room.
3. Repaired a leak on a 3" domestic water supply line.
4. Replaced site tube on the Alum storage tank.

Mr. Kessler reviewed the Monthly Water System Operations Summary 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 | MAY 10, 2022**

**ITEM 6: WASTEWATER SYSTEM UPDATES**

---

Mr. Ulloa reviewed the projects and repairs for April 2022, and he reported that Wastewater Operations staff had completed the following tasks:

1. Cleaned trouble spots in the collections system throughout the District.
2. Cleaned O'Neil Park collections system.
3. Conducted the Golf Club Sewer Lift Station Startup with Tesco Controls and installed the submersible pump.
4. Assisted Hazen and Sawyer with the installation and removal of flow meters for the sewer collection system.
5. Assisted Hazen and Sawyer at the Wastewater Treatment Plant with the field condition assessment.

Mr. Ulloa provided a review of the Monthly Non-Domestic Water (NDW) System Summary report for April 2022, and he reviewed the Sewer System Monitoring Plan (SSMP) Quarterly Report. Mr. Ulloa indicated that staff is on track to complete the cleaning of the sanitary sewer system in August 2022. Discussion occurred concerning the District's Dry Season Recovery system production results.

Mr. Perea presented the SSMP Annual Audit with the Committee, and he reviewed the sanitary sewer overflow (SSO) statistics for the prior three years. Mr. Perea reported that the most common reason for SSOs is due to system blockages from solidified detergents/soaps that harden in the lines due to the increased water efficient appliances that reduce flow rates in sewer lines.

**RECOMMENDED ACTION**

The Committee received the status update and received and filed the 2022 Sewer System Monitoring Plan (SSMP) Annual Audit.

**ITEM 7: MAINTENANCE DEPARTMENT UPDATES**

---

Mr. Stroud reviewed the projects and repairs for April 2022, and he reported that Maintenance staff completed the following tasks:

1. Continued to work with Sanitation Operations at the Golf Club Lift Station.
2. Flo Services onsite at the El Toro Sewer Lift Station performing electrical upgrades for the new pumps.
3. Attended the Categraph - CMMS workshop.
4. District Operations staff worked with Hazen and Sawyer onsite for the Condition Assessment.
5. Witness test performed by Flo Services on the Dimension Water Treatment Plant backwash pump.
6. Performed vehicle maintenance on service trucks and small equipment

**RECOMMENDED ACTION**

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

**ITEM 8: OTHER MATTERS/REPORTS**

---

There were no comments.

**RECOMMENDED ACTION**

There was no action taken.

**ADJOURNMENT**

Director Dopudja adjourned the May 10, 2022 Engineering/Operational Committee Meeting at 7:54 AM.