



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 5, 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
Lisa Marie Sangi, Executive Assistant
Gary Kessler, Water Superintendent
Oscar Ulloa, Wastewater Superintendent
Jason Stroud, Maintenance Superintendent

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Dopudja called the October 5, 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

No comments were received.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi provided a brief report on his attendance at the Community Associations of Rancho (CAR) meeting the prior day, and he reported on the presentation delivered by the RSM Voice group.

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 status update on this project, and she highlighted the completed operational improvements and proposed fencing improvements.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 5, 2022**

Discussion occurred concerning planned operational improvements, including variable frequency drives (VFD) for the station pumps and flow measurement.

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee meeting.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING ROSE CANYON AND LANG WELLS CLEANING AND PUMP INSTALLATION

Mr. Paludi presented this matter for Committee consideration, and he reported that District staff have contracted with Hazen to prepare a technical memorandum to identify key operational issues at the District's Groundwater Treatment Facility (Wells). Ms. Lausten reviewed the findings of the technical memorandum, and she commented on certain items that are currently being addressed by staff. Ms. Lausten presented quotes from Best Drilling & Pump for cleaning out the wells and Hydrotech Electric for the electrical improvements and re-installation of the well pumps for Committee consideration. Discussion occurred concerning the impact of facility pump VFDs.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors authorize the General Manager to execute a contract for Rose and Lang Wells Cleaning and Pump Installation to Best Drilling and Pump, Inc. in the not to exceed amount of \$58,900 (Action Calendar).

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING DIMENSION WATER TREATMENT PLANT OFFICE

Mr. Paludi introduced this informational matter for Committee review. Ms. Lausten provided a brief review of project challenges to date, and she highlighted the pre-bid schedule with the Committee. Ms. Lausten added that this matter would be agendaized for Committee consideration the following month.

RECOMMENDED ACTION:

No action was taken.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. SCADA Upgrade Project

Ms. Lausten provided a project update on this project, including implementation schedule, materials procurement timeline, and project completion timeline.

2. AMR/AMI Update

Mr. Perea provided a brief update on this project, and he reported on the meter installation progress to date and the successful installation of three of the eight data collectors. Discussion occurred concerning the manner of notification to District customers and total service delay impacts to customers; Mr. Perea indicated that District staff has notified customers of the project through bill stuffers and newsletter, as well as twenty-four-hour notification prior to service interruption for the meter replacement. Mr. Perea added that the installers attempt to contact the customer immediately prior to the work by knocking on the door.

3. Trabuco Creek Pipeline Potholing

Ms. Lausten provided a brief overview of the Orange County Public Works (OCPW) bridge improvement project, and she reviewed the proposed potholing project map. Discussion occurred concerning the responsibility for covering the costs associated with the potholing work.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 5, 2022**

4. Dove Lake Outlet Vent Pipe Repairs

Ms. Lausten provided a brief project update on the current temporary repair of the vent pipe, and she reviewed the proposed permanent repair costs.

5. Dove Lake Barge and Pump Project Recap

Mr. Ulloa delivered a PowerPoint presentation which reviewed this project, and he indicated this work was performed by District staff. Mr. Ulloa reported that this improved pump equipment is designed to increase the total amount of water pumped from Dove Lake to meet system demands. Discussion occurred concerning pump electrical demands and associated improvements.

6. Other Projects

There were no other projects discussed.

RECOMMENDED ACTION

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

ITEM 6: WATER SYSTEM UPDATES

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

1. Rebuilt a hydrant bury on Berkshire in the Dove Canyon Community.
2. Replaced a customer's water service on Prairie View in the Robinson Ranch Community.
3. Worked with Delco Services to preform maintenance on 17 Cla-Val's throughout the distribution system.
4. Worked with Flo-Services to install a small Backwash Waste Pump at the Dimension Water Treatment Plant.
5. Flushed twenty-nine (29) fire hydrants in the Rancho Cielo and Walden Communities.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that Water Operations staff replaced a system valve in the Rancho Cielo Community with the assistance of Ferreira Construction.

RECOMMENDED ACTION

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

ITEM 7: WASTEWATER SYSTEM UPDATES

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

1. Installed the Dove Lake Barge Pump.
2. Exercised valves to the recycle system thru Robinson Ranch Road
3. Assisted the camera inspection of the hot spots in the collections system.
4. Conducted the annual maintenance for the Robinson Ranch, Dove HOA, and Golf Course CLA-VAL's

Mr. Ulloa reviewed the Monthly Non-Domestic Water System Summary with the Committee, and he reported that the pump at Tick Creek Pump Station is currently out for repairs after failing. Discussion occurred concerning the recycled water production at Dove Lake.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 5, 2022**

Mr. Paludi reported that District staff will be meeting with the San Diego Regional Water Control Board staff related to obtaining a new recycled water permit.

Mr. Paludi reported that District staff met with the Rancho Cielo Homeowners Association to discuss converting their onsite domestic water irrigation system to recycled water, and he added that staff will perform an internal analysis on the potential system improvements and associated costs.

RECOMMENDED ACTION

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

ITEM 8: MAINTENANCE DEPARTMENT UPDATES

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

1. Assisted Wastewater Operations with the Dove Lake pump barge build and installation.
2. Removed the small backwash pump at Dimension Water Treatment Plant and assisted Flo-Services with the new pump installation.
3. District vehicle no. 12 was serviced and repaired at the Tuttle-Click Service Center.
4. Setup TCWD's new mobile emergency generator at the Barneburg Lift Station for the preparation of a new radiator.
5. Assisted Wastewater Operations for the surge tank repair at the Golf Club Lift Station.
6. Continued support with TESCO Controls on the SCADA upgrades.

RECOMMENDED ACTION

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

ITEM 9: OTHER MATTERS/REPORTS

Director Dopudja commended District Wastewater Operations and Maintenance staff work on the Dove Lake Barge Pump project.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Dopudja adjourned the October 5, 2022 Engineering/Operational Committee Meeting at 8:16 a.m.