



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 1, 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

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Dopudja called the June 1, 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 Safranski briefly commented on an article published in the Orange County Register (OCR) concerning water district compensation. Discussion occurred concerning certain topics highlighted in the article and missed opportunities to contextualize the data. Mr. Paludi provided a brief summary of his response to OCR, and he reported that he extended an invitation to the author for a tour of the District's facilities.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi reported that the Orange County Registrar of Voters will be using the District's Administration Facility Board Room for the June 2022 Primary Election beginning June 3rd.

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).

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ITEM 2: DISCUSSION CONCERNING DIMENSION WATER TREATMENT PLANT OFFICE TRAILER IMPROVEMENT PROJECT

Mr. Paludi indicated that this matter was previously reviewed by the Committee, and he reported that the project has been updated based on Board feedback. Ms. Lausten provided a brief project update, and she highlighted the updated design modifications proposed in the technical memorandum prepared by JIG Consultants. Discussion occurred concerning trailer design options and interior configuration. Ms. Lausten indicated the next step would be to bid this project out and then return to the Committee. Director Dopudja expressed his appreciation for staff's efforts on the project and he commented that this process was good exercise.

RECOMMENDED ACTION:

There was no action taken.

ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECTS,

1. Golf Club Sewer Lift Station

Ms. Lausten provided a brief project status update, and she reviewed the completed tasks to date. Mr. Ulloa provided an update on the motor control center (MCC) improvements with the assistance from TESCO Controls and Hydrotech Electrical. Mr. Stroud reported that the damaged submersible pumps has been delivered to Evans Hydro for inspection and repair.

2. SCADA Upgrade-DWTP

Ms. Lausten provided a project update for the Committee, and she briefly reviewed the planned improvements at the Dimension Water Treatment Plant (DWTP) to be completed at the end of the month.

3. Saddle Crest Development

Mr. Paludi provided a brief update on this matter to the Committee, and he reviewed the District's primary concerns related to the completed onsite facilities. Discussion occurred concerning ongoing discussions with the developer related to outstanding issues and long-term expectations.

4. South Orange County IRWM Grant Project

Mr. Paludi reported that the South Orange County IRWM grant funding application period has started and that District staff plan to submit a project for the District's Dove Creek/Tick Creek Dry Season Recovery Facilities. Ms. Lausten provided a brief review of the proposed project scope and the environmental factors and considerations, and she reported the application period closes at the end of June. Discussion occurred concerning increasing capacity of the facilities and operating the facilities year round to provide additional non-domestic water supply

5. Other Projects

Mr. Paludi mentioned that District staff has not heard back from the Saddleback Meadows developer to date.

RECOMMENDED ACTION

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

ITEM 4: WATER SYSTEM UPDATES

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

1. Repaired a two-inch water service line on Hamilton Trail in the Canyon Community.

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2. Worked with the Meter department to relocate and rebuild two customers on Canyon Creek in the Canyon Community.
3. District Staff completed and successfully submitted the State Water Resources Control Board Electronic Annual Report.
4. Traveled to Sacramento to witness a SCADA field test system upgrade for the Dimension Water Treatment Plant.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that Irvine Ranch Water District (IRWD) has notified District staff that the V.P. Baker pipeline is scheduled to be online later that day. Mr. Kessler added that the DWTP is currently offline due to the IRWD repair, and that District staff is working with TESCO Controls to complete certain SCADA improvements during this period.

RECOMMENDED ACTION

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

ITEM 5: WASTEWATER SYSTEM UPDATES

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

1. Assisted the Dam and Safety Inspector at the Wastewater Treatment Plant (WWTP) Recycled Water Reservoir and Dove Lake reservoir.
2. Improved odor control for our sewer lift stations, by converting from chlorine to calcium nitrate.
3. Replaced a pump with assistance from the Maintenance department at the Tick Creek Dry Season Recovery.
4. Installed the mechanical checks and pump guide rails at the Golf Club lift station located in the Dove Canyon community.
5. Conducted the final phase of testing for the MCC at the Golf Club lift station with Tesco Controls.
6. Assisted the Maintenance department in the replacement of a blower at the WWTP.

Mr. Ulloa provided a review of the Monthly Non-Domestic Water System Summary report for May 2022, and he reported that the Tick Creek Dry Season Pump Station was offline for repairs. Discussion occurred concerning lower than normal recycled water production at Shadow Rock Detention Basin Facility and certain operational challenges at the facility. Discussion occurred concerning the District's diverse water source portfolio and strategic management to meet demands.

RECOMMENDED ACTION

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

ITEM 6: MAINTENANCE DEPARTMENT UPDATES

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

1. Worked with TESCO Controls on the annual EMASS program
2. Assisted the Wastewater department at the Tick Creek dry season recovery
3. Assist the Water department with a small pipeline leak on Hamilton Trail, located in the Canyon Community
4. Installed new batteries at the Plano Lift Station and El Toro Sewer Lift Station emergency generators
5. Attended a pump class at Evans Hydro

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6. Worked with the County Inspector to update the Districts CERS program (CA Environmental Protection Program) and get an updated EPA number for the HAZMAT handling.
7. Began weed abatement on TCWD properties
8. Removed a failed positive displacement blower from the Wastewater Treatment Plant blower room for repairs and replaced it with a spare.
9. Rebuilt an Ingersoll Rand air compressor pump
10. Vehicle maintenance on service truck #4 (oil change/inspection/toolbox install) and service truck #2 (factory recall on headlight wiring)
11. Warrantied batteries on the new Mobile Emergency Generator

Mr. Stroud reported that the recently purchased mobile generator has been serviced in accordance with the equipment warranty.

RECOMMENDED ACTION

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

ITEM 7: OTHER MATTERS/REPORTS

Mr. Paludi provided a brief review of certain matters for discussion at the following Committee meeting, including a preliminary review of the District Facility Condition Assessment performed by Hazen and Sawyer.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Dopudja adjourned the June 1, 2022 Engineering/Operational Committee Meeting at 8:24 AM.