



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | SEPTEMBER 6, 2023

DIRECTORS PRESENT

Mike Safranski, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, Assistant General Manager
Lorrie Lausten, District Engineer
Gary Kessler, Water Superintendent
Jason Stroud, Maintenance Superintendent
Karen Warner, Principal Accountant
Phil Serpas, CMMS/SCADA Administrator
Roseann Lejsek, Administrative Assistant

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Safranski called the September 6, 2023 Engineering/Operational Committee Meeting to order at 7:00 a.m.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Dopudja expressed his appreciation to the Water Operations team for their quick response to the potable water line break in the Dove Canyon community. Mr. Perea provided a brief report of the emergency pipeline repair.

Director Safranski reported on his attendance at the Urban Water Institute (UWI) Conference, and he provided a brief report on the conference.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi reported on the following matters:

- District Water Operations staff responded to a potable water line break in the Dove Canyon community overnight.
- The District's Energy Efficiency Ad Hoc Committee will hold its first meeting the following morning at 10:30 a.m., and he reported that Mr. Perea will be the staff lead for the committee with Directors Safranski and Mandich.

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ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

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

- MOTION:** Approve the Engineering/Operational Committee Meeting Recap and recommended that the Board receive and file the same (Consent Calendar) – Director Dopudja
- SECOND:** Director Safranski
- AYES:** Directors Dopudja & Safranski
- NOES:** None
- ABSTAIN:** None
- MOTION PASSED/FAILED:** Passed 2 – 0

ITEM 2: QUARTERLY CAPITAL IMPROVEMENT PROGRAM (CIP) UPDATE

Ms. Lausten presented this matter for Committee consideration and review, and she provided an overview of the FY 2023-24 CIP projects. Director Safranski inquired about the status of the AMR/AMI project; Ms. Lausten reported the project was completed in FY 2022-23 and there were no further financial obligations. Mr. Perea reported that he has been working with the online portal vendor and plans for a soft launch by September 30, 2023. Discussion occurred concerning the listing of projects completed and/or in progress.

- MOTION:** None – Informational item only.

ITEM 3: DOVE CANYON SLOPE REPAIR

Mr. Paludi presented this matter for Committee consideration, and he reported that Dove Canyon Master Association (DCMA) has awarded a contract to JES Construction for the upper portion of the project area only. Discussion occurred concerning the total project area and financial impacts. Mr. Paludi reported that communication with DCMA has been limited on this project and that the District does not have any financial obligation to the repair.

- MOTION:** None – Informational item only.

ITEM 4: DOVE CANYON EASEMENTS

Mr. Paludi presented this matter for Committee consideration, and he reported that this matter will go before the DCMA Board of Directors at their regular meeting on September 19th. Ms. Lausten highlighted that she learned that the District did not have easements for the sewer lift stations in the community during the rehabilitation of the District’s Bell Canyon Sewer Lift Station. Ms. Lausten added that the District has prescriptive easements due to the length of time in ownership and operation of the facilities, but that the District is pursuing easements from DCMA for these facility sites.

- MOTION:** None – Informational item only.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. Lead and Copper Rule Revisions

Ms. Lausten provided an update on this matter, and she reported that Municipal Water District of Orange County (MWDOC) has implemented a program to assist member agencies to meet this updated regulatory requirement by the October 2024 deadline. Ms. Lausten added that after reviewing the proposed participation costs of \$150K that District staff proposes completing this task independent of MWDOC. Ms.

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Lausten has requested a proposal from Hazen to complete this task and will provide more information at a later date.

2. Wastewater Blower Room Project

Ms. Lausten reported that this project is budgeted for FY 2023-24 for \$400K and the construction plans are completed and prepared for bid at this time. Ms. Lausten added that the design engineer, JIG Engineering, does not recommend proceeding with this project before upgrading the Motor Control Center (MCC) as identified in the condition assessment report prepared by Hazen which is scheduled for FYE 2026. Ms. Lausten recommended accelerating the project to FYE 2025 to meet the system needs.

3. Master Plan/Condition Assessment Final Report

Ms. Lausten reported that Hazen will provide a PDF version of this report by the end of the week and hardcopies by the end of the month.

4. Other Projects –

4.1. Saddle Crest Development

Ms. Lausten reported that the developer has completed the coating of the reservoir ladder consistent with the construction plans and the next step is to perform water quality testing prior to facility start up. Discussion occurred concerning site challenges and proposed preferred solutions.

4.2. District Standards & Specifications

Ms. Lausten reported that District staff has worked with DMc Engineering to update its Standards & Specifications and that the final draft document will be presented to the Committee for review in October or November.

4.3. Engineering Staffing Support Update

Ms. Lausten reported that engineering staffing support will be working on arc-flash study of District facility equipment later this week. Discussion occurred concerning the performance of an infra-red study of district facility equipment.

MOTION: None – Informational item only.

ITEM 8: 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. Repaired an 8" water main break on Mayfair Drive in the Robinson Ranch community.
2. Replaced a water service curb stop valve on Mill Stream Road in lower Robinson Ranch.
3. Prepared for the Regional Water Board inspection. Unfortunately, the inspection was rescheduled for October.
4. Shut down the Trabuco Creek Groundwater Treatment Facility. The GWTF produced 531 acre-feet of water in 2023 – *seasonal record*.

Mr. Kessler presented the Water System Summary for Committee review, and he provided updates on the GWTF production.

MOTION: None – Informational item only.

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ITEM 9: WASTEWATER SYSTEM UPDATES

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

1. Assisted Maintenance Department staff in the replacement of a 60hp blower.
2. Assisted TESCO Controls in the repair of VFD #3 at the Dove Recycled Water (NDW) Pump Station.
3. Replaced 40hp EQ basin pump at the Robinson Ranch Wastewater Treatment Plant (WWTP).
4. Replaced 40hp pump for Tick Creek Dry Season Recovery Station located in the Dove Canyon community.
5. Prepared and cleaned the Robinson Ranch WWTP in preparation for a facility tour.

Mr. Perea presented the Recycled Water System Summary for Committee review, and he provided the Sewer System Management Plan (SSMP) monthly update.

MOTION: None – Informational item only.

ITEM 10: MAINTENANCE DEPARTMENT UPDATES

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

Projects and Repairs

Maintenance staff performed and/or completed the following tasks and projects:

Water Operations

1. Worked with Duthie Power to inspect/troubleshoot diesel driven pump at Robinson Ranch Booster Pump Station for emergency use.
2. Worked with Water Operations to assess a leaking air compressor at the Dimension Water Treatment Plant (DWTP). An oil leak was identified and repaired.

Wastewater Operations

1. Worked with Vaughan Industrial to remove and replace the East SBR blower at the Robinson Ranch WWTP.
2. Worked with Wastewater Operations and Hydrotech Electric to remove and replace the EQ Basin pump. The old motor was sent to Evans Hydro for service and repair.
3. Worked with Wastewater Operations and Hydrotech Electric to remove and replace a pump and motor at Tick Creek Dry Season Recovery Station.

District Fleet Upgrades & Other Projects

1. Received and outfitted four new fleet vehicles in accordance with District fleet specifications.
2. Assisted Hartford Steam Boiler (JPIA 3rd Party Inspector) on the inspection of air compressor tanks at Heritage Sewer Lift Station and Canyon Creek Booster Pump Station.
3. Installed moisture filters and fuel additive to SULAIR towable air compressor, Godwin mobile diesel pump, and Cummings mobile diesel generator.
4. Replaced a damaged axle on the boat trailer with a new axle, hubs, and tires.

MOTION: None – Informational item only.

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ITEM 11: OTHER MATTERS/REPORTS

There were no others matter reported.

MOTION: None – Informational item only.

ADJOURNMENT

Director Safranski adjourned the September 6, 2023 Engineering/Operational Committee Meeting at 8:08 a.m.