



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | APRIL 5, 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
Karen Warner, Principal Accountant
Gary Kessler, Water Superintendent
Oscar Ulloa, Wastewater Superintendent
Phil Serpas, CMMS Administrator
Lisa Sangi, Executive Assistant

PUBLIC PRESENT

Tori Yokoyama, Hazen and Sawyer

CONSULTANT VIA CONFERENCE CALL

Scott Arends, Hazen and Sawyer

CALL MEETING TO ORDER

Director Safranski called the April 5, 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

No comments were received.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi reported the District's Trabuco Creek Groundwater Treatment Facility is currently providing treated groundwater at approximately 600 gpm.

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

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AYES: Directors Dopudja & Safranski
NOES: None
ABSTAIN: None
MOTION PASSED/FAILED: Passed 2 – 0

ITEM 2: DOVE DAM OUTLET REPAIR ALTERNATIVES EVALUATION

Mr. Paludi presented this matter for Committee review, and he provided a brief review of the previous repairs to the Dove Dam Outlet Structure (facility). Mr. Paludi reported that District staff contracted with Hazen to perform an evaluation of proposed alternative solutions to the facility. Mr. Arends delivered a PowerPoint presentation to the Committee which provided an overview of the evaluation of alternative repair scenarios. Discussion occurred concerning certain proposed repair options and related costs. Director Dopudja suggested District staff consider a design-build solution for this project. Discussion occurred concerning certain proposed solutions for displacement of captured water to perform the repairs and the preferred recommended repair alternative. Mr. Paludi commented that this capital improvement project is included in the proposed rate model, and that District staff will evaluate any potential grant funding opportunities to assist with this project.

MOTION: The Committee recommended forwarding this matter to the Board for informational purposes.

ITEM 3: DIMENSION WATER TREATMENT PLANT OFFICE IMPROVEMENTS

Ms. Lausten provided an update on this project, and she mentioned that the District received two proposals that were both close in price. Mr. Paludi commented on the separate site work would be done by District staff. Ms. Lausten highlighted the proposed construction plans, and she indicated the value engineered changes to the original project. Discussion occurred concerning forwarding this matter to the Board of Directors for discussion without a recommendation from the Committee.

MOTION: The Committee recommended forwarding this matter for Board discussion only (Action Calendar).
SECOND: Director Dopudja
AYES: Directors Dopudja & Safranski
NOES: None
ABSTAIN: None
MOTION PASSED/FAILED: Passed 2 - 0

ITEM 4: GOLF CLUB SEWER LIFT STATION PROPOSED PROJECT BYPASS SOLUTION

Mr. Paludi presented this matter for Committee review, and he reported that the District previously withdrew the initial bid plans for this project to evaluate the proposed bypass solution. Ms. Lausten reported that District staff has worked with JIG Engineering to prepare the proposed project bypass solution during the entire project period to allow for wet well and other planned improvements. Ms. Lausten indicated that the updated bypass solution would include a secondary wet well option to avoid a sanitary sewer overflow which would increase the project by approximately \$400K with total project engineer’s estimate of \$1.5M.

MOTION: None – Informational item only.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES

1. **Orange County Public Works (OCPW) Proposed Trabuco Creek Road Drainage Improvements Project –**
Mr. Perea presented this matter for Committee consideration, and he reported this matter was previously discussed with the Committee more than three years ago. Mr. Perea provided an update on the OCPW project which impacts the District’s lower Porter Property, and he reviewed the options with the Committee and

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OCPW's timeline. Mr. Perea reported that OCPW is requesting an encroachment easement from the District as opposed to an easement for this project, and that OCPW plans to turn over any portion of the structure that crossed over/into District property back to the District upon completion. The Committee did not agree with OCPW's proposal and directed District staff to work with general counsel to respond to OCPW.

2. Trabuco Creek Groundwater Treatment Plant Fencing Improvements Update –

Ms. Lausten provided an update on this project, and she presented a handout which presented an alternative location image which included the split-rail vinyl fence that extend across District property. Discussion occurred concerning facility access challenges and maintenance responsibilities.

3. Other Projects –

Mr. Paludi provided a brief update on the damaged v-ditch owned and operated by Dove Canyon Master Association (DCMA), and he reported that District staff has prepared a written response concerning the District's position on the V-ditch failure.

Mr. Paludi provided a brief update on the Saddleback Meadows development, and he reported that District met with the Developer to discuss the development system requirements, including the onsite potable water reservoir. Mr. Paludi added that District staff will present a draft Conditional Will Serve letter to the Board for review.

MOTION: None – Informational item only.

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. Successfully started the Trabuco Creek Groundwater Treatment Facility (GWTF) on March 24, 2023 and is currently supplementing demand at 450 gpm (approximately 1 CFS).
2. Worked with Ferreira Construction to repair an 8" water main on Inverary in the Dove Canyon community.
3. Worked with the Maintenance Department to repair a broken air vacuum breaker behind CVS in the Trabuco Marketplace.
4. Completed the Unregulated Contaminant Monitoring Requirement 5 (UCMR5) [*EPA requirement*] and Annual Vulnerability Assessment [*State requirement*] sampling at both the treatment facilities.
5. Prepared Customer Confidence Report (CCR) data for annual customer notification [*State requirement*].

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

MOTION: None – Informational item only.

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. Quarterly cleaning of wet wells at lift stations.
2. Quarterly inspections of commercial grease interceptors.
3. Completed quarterly sampling for Robinson Ranch Wastewater Treatment Plant (WWTP).

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4. Removed 15HP submersible pump from wet well at WWTP for tank cleaning.
5. Installed all new building signage to comply with fire department inspections.
6. Replaced a section of the influent 12” pipe to the SBR tanks at the WWTP.

Mr. Ulloa presented the Recycled Water System Summary for Committee review. Discussion occurred concerning the Shadow Rock Detention Basin Pump Station and system operation.

MOTION: None – Informational item only.

ITEM 8: MAINTENANCE DEPARTMENT UPDATES

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

Water Operations

1. Worked with Mr. Crane (service provider) to install well pumps/motors at the Trabuco Creek GWTF.
2. Worked with Flo-Services (service provider) to perform vibration testing on the backwash pump at the Dimension Water Treatment Plant.
3. Completed oil changes on the four electrical motors at Ridgeline Booster Pump Station.

Wastewater Operations

1. Replaced solenoids on the waste line valves in the SBR dry pit at the WWTP.
2. Worked with Duthie Power (service provider) to perform preventative maintenance on emergency backup power generators.
3. Cleaned out and re-organized the storage sheds at WWTP for parts storage.

District Fleet Upgrades

1. Vehicle oil changes on #18 F150, #23 Toyota Tacoma, #19 Ford Escape (#19 sent to Ford dealer for recall repairs).
2. Installed new toolboxes on two vehicles (#1 Toyota Tundra and #25 Toyota Tundra).
3. Windshield replacement and MAF sensor on vehicle #14 F250.
4. Completed the regulatory BIT program.
5. Replaced the tires on vehicle #8 F250 and #14 F250.
6. Installed a new emergency light bar on vehicle #15 Toyota Tacoma.

MOTION: None – Informational item only.

ITEM 9: OTHER MATTERS/REPORTS

Mr. Perea introduced the District’s new SCADA/CMMS Administrator Mr. Phil Serpas to the Committee, and he reported that Mr. Serpas transitioned from the Water Operations department. Mr. Perea added that the District will backfill the vacant water operator position in the near future.

MOTION: None – Informational item only.

ADJOURNMENT

Director Safranski adjourned the April 5, 2023 Engineering/Operational Committee Meeting at 8:56 a.m.