



## **TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JULY 3, 2024**

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### **DIRECTORS PRESENT**

Mike Safranski, Committee Chair  
Stephen Dopudja, Committee Member

### **STAFF PRESENT**

Michael Perea, Assistant General Manager  
Gary Kessler, Water Superintendent  
Oscar Ulloa, Wastewater Superintendent  
Jason Stroud, Maintenance Superintendent  
Phil Serpas, CMMS/SCADA Administrator  
Roseann Lejsek, Administrative Assistant  
Lorrie Lausten, District Engineer - Virtually

### **STAFF ABSENT**

Fernando Paludi, General Manager

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Safranski called the July 3, 2024 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**

None

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

Mr. Perea reported that the General Manager was currently at the Municipal Water District of Orange County (MWDOC) participating in a panel discussion regarding the Metropolitan Water District of Southern California's (MET) business model.

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

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

**MOTION:** Approve the Engineering/Operational Committee Meeting Recap and recommend that the Board receive and file the same (Consent Calendar) – Director Dopudja

**SECOND:** Director Safranski

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JULY 3, 2024**

**AYES:** Directors Dopudja & Safranski

**NOES:** None

**ABSTAIN:** None

**MOTION PASSED/FAILED:** Passed 2 – 0

**ITEM 2: PROFESSIONAL SERVICES AGREEMENT WITH W.M. LYLES CO. TO PERFORM SCADA INTEGRATION SERVICES FOR A TOTAL NOT-TO-EXCEED AMOUNT OF \$239,657**

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Mr. Perea presented this matter for Committee consideration, and he reported that this matter was discussed with the Executive Committee. Mr. Perea provided a background on this project relating to the performance issues with the project's original contractor, TESCO Controls (TESCO). Mr. Perea stated that the District terminated the contract with TESCO, and brought W.M. Lyles on board to immediately assist the District with correcting certain programming issues. Mr. Perea stated that the District is looking to contract with W.M. Lyles to complete the SCADA integration project. Mr. Perea thanked Mr. Serpas for working on putting together the close out costs with TESCO. Discussion occurred regarding the current budget, and Mr. Perea stated that this phase of the project will be slightly over-budget by \$30,000. Discussion also occurred regarding the negotiation of close out costs with TESCO and assessed damages to the District. Mr. Perea indicated the agreed recommended action was for the Committee to approve the professional services agreement with Board ratification: the Committee deferred approval of the agreement and recommended bringing this matter as an action item to the full Board of Directors for approval.

**MOTION:** Recommend the Board of Directors approve a professional services agreement with W.M. Lyles Company to perform SCADA integration services in the amount of \$217,870 plus a 10% contingency of \$21,787, for a not to exceed amount of \$239,657 (Action Calendar).

**ITEM 3: OTHER ENGINEERING AND OPERATIONS PROJECT UPDATES**

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**1. Golf Club Sewer Lift Station Construction Update**

Ms. Lausten provided an update on this matter, and she reported that the project has experienced delays due to rain. Ms. Lausten stated that the project's contractor, Pacific Hydrotech has committed to having the project completed in mid-September. Mr. Ulloa noted that the secondary bypass pump has higher electrical demands, and that diesel driven pumps will be used. Mr. Ulloa added that sound panels have been factored into the project's budget for this project.

**2. Dove Dam Improvements Next Step: Preliminary Design Report RFP**

Ms. Lausten provided an update on this matter, and she reported that the District has requested to change the Dam's rating from fair to poor, in order to take advantage of available State design and grant funding for repairs. Ms. Lausten stated that the District has received a letter from the Department of Water Resources (DWR) with a deadline of December 31, 2024 for submitting a plan and schedule for the Dam's repair, to be completed no later than December 31, 2026. Ms. Lausten stated that the District is working to secure grant funding to pay for this project.

**3. WWTP Blower Replacement Project Status Update**

Ms. Lausten provided an update on this matter, and she reported that Operations and Engineering have been working on a re-design of the layout after discussions with the Engineering Committee and Board of Directors and that the re-design is ongoing. Mr. Perea provided a brief overview of the preliminary re-design layout. Ms. Lausten stated that staff has received a preliminary estimate for the project and she noted that the estimate is being fine-tuned. A brief discussion occurred regarding the budget for this project and Ms. Lausten stated that the budget was \$550,000.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JULY 3, 2024**

**4. El Toro Force Main Leak Update and Implications**

Mr. Perea provided an update on this matter, and he reported that this matter was reviewed with the Executive Committee. Mr. Perea provided an overview of the emergency repair of the initial leak and line break approximately two months prior. Discussion occurred regarding potential issues in the future as well as possible options for repair.

**5. Other Projects**

Live Oak Pipeline - Mr. Perea reported that the upgrade design will be starting in a few weeks.

Saddle Crest Reservoir and Pump Station – Mr. Perea reported that this item has been agendaized as a closed session item at July's Regular Board Meeting.

**ITEM 4: WATER SYSTEM UPDATES**

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

1. Replaced 1 curb stop in Saddle Crest Development.
2. Repaired service line leak on Live Oak Canyon.
3. Pulled new chemical feed lines at DWTP.
4. Replaced clarifier screens on filter #3 at DWTP.
5. Moved into new office after remodel.
6. Conducted weed abatement at DWTP and GWTF.
7. Worked with Engineering to clean out meter boxes for Lead/Copper assessment.

Mr. Kessler presented the Water System Summary for Committee review, and he reported that the District is meeting the majority of potable demands utilizing the groundwater treatment facility. Mr. Kessler stated that the District will start utilizing Irvine Lake water via Baker Treatment facility and monitor the distribution system water quality with the introduction of the source water. Discussion occurred regarding ongoing conversations with Irvine Ranch Water District and lake water quality.

**MOTION:** None – Informational item only.

**ITEM 5: WASTEWATER SYSTEM UPDATES**

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

1. Replaced a 4-inch check valve for the WAS pump at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Repaired a Solar Bee mixer at Dove Lake to ensure water quality.
3. Added additional storage capacity for chlorine at WWTP for emergencies.
4. Worked on by-pass and assisted in the repair of the force main line break at El Toro Lift Station.

Mr. Ulloa presented the Recycled Water System Summary for Committee review, and he reported that the recycled water reservoir and Dove Lake are at full capacity and that recycled water was sold to Santa Margarita Water District in the amount of 5-acre feet. Mr. Ulloa reported that Dove Lake experienced a naturally occurring algae bloom approximately 2-3 weeks prior due to increased warm weather and the failure of a Solar Bee mixer; Mr. Ulloa reported that the mixer was repaired and that the water quality has improved.

**TRABUCO CANYON WATER DISTRICT  
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JULY 3, 2024**

**MOTION:** None – Informational item only.

**ITEM 6: MAINTENANCE DEPARTMENT UPDATES**

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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 Hydrotech Electric to install new LED lighting at DWTP.

**Wastewater Operations**

1. Completed weed abatement at Reservoir One
2. Worked with Hydrotech Electric to complete dialer upgrades at Plano Lift Station and Heritage Lift Station
3. Installed new motor and re-packed the Robinson Ranch recycled water booster pump
4. Worked with operations and Ferreira Construction to complete sewer force main repairs at El Toro Lift Station
5. Worked with operations and Ferreira Construction to repair a sewer air vac on the Heritage force main located on the WWTP access road
6. Worked with Duthie Power to perform emergency generator repairs at Plano Sewer Lift Station

**District Fleet Upgrades & Other Projects**

1. Attended the second round of ARC Flash Prevention Training
2. Vactor repairs at Haaker (vacuum equipment inspection and repairs)
3. Vactor repairs at Fleet Services (cab and chassis inspection and repairs including DOT inspection)
4. Completed preventative maintenance on the CAT backhoe

**MOTION:** None – Informational item only.

**ITEM 7: OTHER MATTERS/REPORTS**

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Mr. Perea wished all in a happy and safe Independence Day.

**MOTION:** None

**ADJOURNMENT**

Director Safranski adjourned the July 3, 2024 Engineering/Operational Committee Meeting at 7:38 a.m.