



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 6, 2019

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Michael Perea, Interim General Manager
Lorrie Lausten, Principal Engineer
Gary Kessler, Water Department Superintendent
Kris Hanberg, Wastewater Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

CONSULTANTS PRESENT

None

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the March 6, 2019 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 Dopudja expressed his gratitude for the support of his sister's recent passing.

REPORT FROM THE INTERIM GENERAL MANAGER

Mr. Perea mentioned that both he and Ms. Warner would be working on Fiscal Year 2019/2020 Budget preparation later that day.

Mr. Perea reported that he attended the recent Community Associations of Rancho ("CAR") Meeting, and he mentioned that William Lyon Homes provided an update on the proposed Paloma Square development.

Mr. Perea reported that he attended the second South County Storage Coalition meeting at Santa Margarita Water District ("SMWD"), and he reported that Irvine Ranch Water District ("IRWD") delivered a presentation concerning the utilization of Irvine Lake for emergency supply to South Orange County agencies.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 6, 2019**

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Perea presented the recap for Committee review in accordance with the agenda.

RECOMMENDED ACTION

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

PROJECT MANAGEMENT

ITEM 2: VIA ALLEGRE WET WELL EXPANSION PROJECT

Ms. Lausten provided a brief status update on this project, and she reviewed updated construction photos and mentioned that Hydrotech (Electrical Contractor) would be onsite that day. Director Dopudja inquired on the project impacts on the local residents; Ms. Lausten confirmed that District staff has met with them a couple of times and everything was well. Mr. Hanberg reported that he has met with certain landscape vendors concerning plants for screening purposes. Ms. Lausten presented a Contract Change Order for Committee review, and she commented that the work included the relocation of an existing telecommunications line, pumping groundwater due to the heavy rains, and additional work related to the existing manhole. Discussion occurred concerning project costs to date and project timeline for completion.

RECOMMENDED ACTION

The Committee received the status update and recommended the Board of Directors authorize the Interim General Manager to execute the Contract Change Order No. 1 to GCI Construction in the amount of \$30,256.93 (Action Calendar).

ITEM 3: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Ms. Lausten provided a brief status on this project and mentioned that she has received the final plans and specifications for review and that they will be presented to the Committee the following month. Ms. Lausten reported that she has issued a Request for Proposal (RFP) for Construction Management Services, and that four (4) out of the six (6) firms have indicated their intent to respond to the RFP. Ms. Lausten added that she is currently working with Southern California Edison (SCE) to upgrade the electrical service to the facility.

RECOMMENDED ACTION

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

ITEM 4: DISCUSSION CONCERNING EL TORO SEWER LIFT STATION IMPROVEMENTS

Ms. Lausten provided a brief update on this project. Mr. Stroud reviewed the proposed repairs and upgrades to the facility pumps, and he mentioned that this year's budget will improve the south side of the facility only. Discussion occurred concerning the quote and conformance with the District's Procurement Policy; Mr. Perea commented that Flo-Services has provided significant assistance in designing the replacement equipment, as well as, the pumps were replacing the existing failed equipment. Mr. Perea highlighted that the facility was shared with Santa Margarita Water District and Irvine Ranch Water District.

RECOMMENDED ACTION

The Committee received the status update and recommended the Board of Directors authorize the Interim General Managers to purchase replacement pumps for the El Toro Sewer Lift Station from Flo-Services in the amount of \$223,534.36 (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 6, 2019**

ITEM 5: DISCUSSION CONCERNING THE URBAN RUNOFF CONVEYANCE STRUCTURE TO DOVE LAKE

Mr. Perea mentioned that this was discussed at last month's Engineering/Operational Meeting and it was also presented to the Board of Directors for their consideration the prior month. Discussion occurred concerning the Trabuco Highlands Community Association ("THCA") letter regarding the condition of the spillway. Mr. Perea reviewed the Board direction to staff and highlighted what had been learned to date. Discussion occurred concerning ownership of the spillway, responsibility for affecting the necessary repairs, and potential long-term impacts to Dove Lake. Mr. Perea reported that THCA contracted with La Habra Fence for the installation of a chain link fence to contain the damaged spillway. Discussion occurred concerning the type of repair suitable for the damage. Mr. Perea commented that District staff has procured a quote for budgeting purposes only but mentioned that he has not directed District staff to proceed further until this matter was fully discussed by the Board of Directors. Discussion occurred regarding losing capacity in Dove Lake due to the rain and possible impacts in the event the structure fails. The Committee recommended forwarding the matter to the Board of Directors for informational purposes.

RECOMMENDED ACTION

The Committee received the status update and recommended forwarding this matter to the Board of Directors.

ITEM 6: DISCUSSION CONCERNING 2019 STATE OF EMERGENCY DECLARATION AND STORM DAMAGES

Mr. Perea presented this matter for Committee review, he mentioned Governor Newsom's issued Declaration of Emergency due to the storms. Mr. Perea reported that District staff submitted damages and repair projects totaling approximately one million dollars and indicated that the projects consisted of loss of soil. Discussion occurred concerning collaborative efforts between the District and Orange County Public Works. Mr. Perea added that more information will be presented to the Committee at a later date.

RECOMMENDED ACTION

The Committee received the status update. No action was taken.

ITEM 7: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT 2019 WATER, WASTEWATER & NON-DOMESTIC WATER RATE STUDY

Mr. Perea presented this matter for Committee review, and he reported that District staff would like to complete a review of the District's Water, Wastewater, and Non-Domestic Rates and Charges ("Rate Study") this year. Mr. Perea presented a proposal from Raftelis Financial Consultants ("Raftelis") for this analysis based on their prior work on the 2015 Rate Study. Mr. Perea briefly reviewed the goals of Rate Study in conformance with State Law and Proposition 218. Discussion occurred concerning the District's Non-Domestic Water Rates and sources of supply; Mr. Perea reported that District staff has met with PSOMAS representative to discuss the preparation of a Non-Domestic Water Allocation Analysis to support the development of this rate structure. Mr. Perea indicated that the goal would be to hold a public hearing by the end of the year.

RECOMMENDED ACTION

The Committee received the information and recommended District staff present the Raftelis Financial Consultants Rate Study Proposal to the Finance/Audit Committee for their consideration.

ITEM 8: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT GROUNDWATER WELL FEASIBILITY STUDY PROPOSAL

Mr. Perea presented this matter for Committee review and mentioned that District staff met with Woodward & Curran to discuss the preparation of a Groundwater Well Feasibility Study ("Study"). Mr. Perea highlighted that

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 6, 2019**

this Study would use previous studies to identify groundwater opportunities. Discussion occurred concerning the impacts of the District's current groundwater production at its treatment facility and the overall goals of the study.

RECOMMENDED ACTION

The Committee received the information and recommended the Board of Directors authorize the Interim General Manager to contract with Woodard and Curran for Consultant Services for the Municipal Well Feasibility Study in the amount of \$84,962 with a 10% contingency in the amount of \$8,496 for a total not to exceed amount of \$93,458 (Action Calendar).

ITEM 9: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Trabuco Canyon Water District Non-Domestic Water Allocation Study

Mr. Perea commented that both he and Ms. Lausten met with PSOMAS representatives Mr. Mike Swan and Ms. Kim Alexander to discuss the preparation of a Non-Domestic Water Allocation Study to support the proposed 2019 Water, Wastewater, Non-Domestic Water Rates and Charges Study. Discussion occurred concerning the goals of the proposed study. Mr. Perea added that District staff would have a proposal for Committee review the following month.

2. Other Projects

Ms. Lausten provided an update on the Grant application for the generators, and she mentioned that seventy (70) applications were received and that only fifteen (15) were selected to continue through the process. Ms. Lausten reported that the District was not selected to for the grant approval process, but that District staff would attempt the grant the following year.

Ms. Lausten provided a brief update on her attendance at the South Orange County Wastewater Authority (SOCWA) Engineering/Finance Meeting the prior day.

RECOMMENDED ACTION

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

ITEM 10: SADDLE CREST DEVELOPMENT (65 DU's | WSL)

Ms. Lausten provided a brief status update on this development, she reviewed photos and mentioned the reservoir and pump station will be done in October 2019. Ms. Lausten presented the final Tract Map for Committee consideration and recommended the Committee forward it to the Board for approval. Director Mandich recused himself from making any type of recommendation concerning this matter due to his employment; Director Dopudja recommended forwarding the matter to the Board of Directors for consideration.

RECOMMENDED ACTION

The Committee received the status update and recommended the Board of Directors approve Tract Map No. 17344 and authorize the District Secretary to execute Tract Map No. 17344 (Action Calendar).

Director Mandich recused himself from the recommendation.

ITEM 11: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for February 2019, and he provided the additional highlights:

1. Water Operations staff repaired minor storm damage on Rose Canyon Road.
2. Water Operations staff replaced all chemical feed lines at Dimension Water Treatment Plant.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 6, 2019**

3. Water Operations staff replaced the recirculation pump at the Harris Grade Tanks.
4. Water Operations staff worked with Ferreira Construction to repair a domestic eight-inch (8") AC pipeline to St. Michael's Abbey.

Mr. Kessler reviewed the Monthly Water System Operations Summary, and he reported that Water Operations staff exercised seventy-two (72) valves in the Robinson Ranch and Santiago Canyon Estates Communities.

Discussion occurred concerning the water production at the Trabuco Creek Groundwater Treatment Facility; Mr. Kessler reported that the facility was pumping approximately six hundred (600) gallons per minute and that the Dimension Water Treatment Plant was offline for preventative maintenance

RECOMMENDED ACTION

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

ITEM 12: WASTEWATER SYSTEM UPDATES

Mr. Hanberg reviewed the projects and repairs for February 2019, and he provided the additional highlights:

1. Wastewater Operations staff cleaned the Influent Equalization Basin (NEQ) Tank at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Wastewater Operations staff installed a clean out on the Belt Press drain line.
3. Wastewater Operations staff worked with Water Operations to pump out the Trabuco Creek Groundwater Treatment Facility Backwash Tank (ten Vactor truck loads).

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee. Mr. Hanberg reported that District staff pumped The Oaks treatment facility tank due to infiltration from the heavy rains. Discussion occurred concerning mitigation response measures due the recent rain events.

RECOMMENDED ACTION

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

ITEM 13: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for February 2019, and he provided the additional highlights:

1. Maintenance Department staff worked with GCI Construction and HydroTech Electric on the Via Allegre Sewer Lift Station Wet Well Expansion Project.
2. Maintenance Department staff performed rehabilitation of the Dove Creek Dry Season Recovery Station.
3. Maintenance Department staff performed rehabilitation of the Plano Sewer Lift Station, including coordination with Global Power Services for the repair of the emergency generator automatic transfer switch.
4. Maintenance Department staff received and worked on the equipment upgrades for the newly purchased fleet vehicle.

Mr. Perea reported that the Maintenance Department was currently working on meeting the California Air Resources Board ("CARB") regulatory requirements on the diesel engine vehicles in the District's fleet. Discussion occurred concerning the potential regulatory impacts of the regulations on the District fleet. Mr. Perea added that more information would be presented the following month.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 6, 2019**

RECOMMENDED ACTION

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

ITEM 14: OTHER MATTERS/REPORTS

Mr. Perea reported that there were no other matters to report.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the March 6, 2019 Engineering/Operational Committee Meeting at 8:07 AM.