



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 3, 2021

DIRECTORS PRESENT

Ed Mandich, 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
Jason Stroud, Maintenance Superintendent
Oscar Ulloa, Wastewater Chief Plant Operator
Lisa Marie Sangi, Executive Assistant

PUBLIC PRESENT

None

PUBLIC PRESENT VIA CONFERENCE CALL

None

CALL MEETING TO ORDER

Director Mandich called the November 3, 2021 Engineering/Operational Committee Meeting to order at 7:01 AM. Public access to the meeting was made available by teleconference broadcast.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

No comments were received.

REPORT FROM THE GENERAL MANAGER

No comments were received.

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).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 3, 2021**

ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING FISCAL YEAR 2021/2022 CAPITAL IMPROVEMENT PROGRAM BUDGET REALLOCATIONS

Mr. Paludi introduced this matter to the Committee for consideration. Ms. Lausten provided a brief overview of the adopted Fiscal Year 2021/2022 Capital Improvement Program (CIP), and she presented a proposed reallocation budget due to the impacts of higher critical facility improvement projects. Mr. Perea provided additional feedback related to the proposed budget reallocation and he emphasized the critical nature of certain wastewater facility projects. Discussion occurred concerning certain project deferment to future years. Mr. Paludi added that District staff will bring additional information related to this matter, including financing options as detailed in the 2020 rate study.

RECOMMENDED ACTION:

Committee recommended forwarding the DRAFT Proposed Reallocated Fiscal Year 2021/2022 Capital Improvement Program Budget to the Board of Directors for consideration (Action Calendar).

ITEM 3: DIMENSION WATER TREATMENT PLANT BACKWASH TANK REPLACEMENT PROJECT UPDATE

Ms. Lausten provided a brief project status update, and she reported that the project has been completed. Ms. Lausten presented project photos for Committee review, and she reported that a contract change order would be presented at the following Committee meeting for consideration. Mr. Kessler commented that Water Operations is very satisfied with the final product. Discussion occurred concerning ongoing cathodic protection improvements at District facilities.

RECOMMENDED ACTION:

Receive information at the time of the meeting. No action required.

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING HERITAGE SEWER LIFT STATION REHABILITATION PROJECT

Mr. Paludi introduced this matter for Committee review, and he mentioned that this project is currently in the design stage. Ms. Lausten provided a brief update on the proposed design and engineer's estimated project budget. Discussion occurred concerning certain proposed facility mechanical, electrical, and site security improvements. Ms. Lausten added that this project has been re-scheduled for Fiscal Year 2022/2023.

RECOMMENDED ACTION:

There was no action taken.

ITEM 5: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING EL TORO SEWER LIFT STATION SURGE TANK REHABILITATION PROJECT

Mr. Paludi presented this matter for Committee consideration. Mr. Perea reported that JIG Consultants has completed the final design for the station improvements, including mechanical and electrical improvements. Mr. Perea expressed his appreciation to Irvine Ranch Water District (IRWD) for their patience during this process as the station is currently bypassed to their facility downstream. Ms. Lausten reviewed the plans and specifications, and she reported that SS Mechanical is finalizing a proposal for the proposed improvements. Discussion occurred concerning supply chain challenges and delays that have impacted the procurement of certain items. Mr. Perea recommended forwarding this matter to Board of Directors for their consideration.

RECOMMENDED ACTION:

The Committee recommended forwarding this information to the Board of Directors for their consideration (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 3, 2021**

ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING ADOPTION OF UPDATED MEMORANDUM OF UNDERSTANDING BETWEEN THE COUNTY OF ORANGE FOR USE OF COUNTYWIDE MASS NOTIFICATION SYSTEM (ALERTOC)

Mr. Paludi presented this matter for Committee consideration. Mr. Perea provided a brief review of the District's participation in County of Orange Countywide Mass Notification System (AlertOC) since 2013, and he presented the updated proposed Memorandum of Understanding (MOU) with a review of the updated terms. Mr. Perea recommended the Board of Directors approve and authorize the continued participation in the AlertOC system.

RECOMMENDED ACTION:

Committee recommended the Board of Directors approve and authorize the General Manager to execute the Memorandum of Understanding Between the County of Orange and Participants for Use of Countywide Mass Notification System (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Dimension Water Treatment Plant Office and Storage Improvements

Mr. Paludi introduced this matter for Committee consideration. Ms. Lausten reviewed the proposed office site layout and final plans. Ms. Lausten mentioned that this matter will be brought back to the next Engineering/Operational Committee meeting for Committee consideration.

2. Saddle Crest Development

Mr. Paludi introduced this matter. Mr. Perea mentioned that District staff met with the Developer onsite and reviewed the punch list items; testing and accepting the facilities once TCWD standards have been met.

3. Golf Club Sewer Lift Station Surge Tank Replacement

Mr. Perea provided a brief project update to the Committee, and he reported on the procurement delays for the Motor Control Center (MCC) and certain valves. Ms. Lausten reported that District staff are evaluating the replacement and relocation of the facility onsite surge tank.

4. Other Projects

Ms. Lausten mentioned that Verizon Mobile has contacted the District concerning the potential for a cellular tower installation on an above ground reservoir. Mr. Paludi added that more information concerning this matter will be presented at a future meeting.

RECOMMENDED ACTION

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

ITEM 8: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for October 2021, and he reported that Water Operations staff has completed the following tasks:

1. Worked with Ferreira Construction to repair a 10" domestic water emergency pipeline break on Live Oak Canyon Road.
2. Replaced the backwash waste valve on Filter No. 2 at the Dimension Water Treatment Plant (DWTP).
3. Completed eight fire flow tests in the both the Saddle Crest Development and Shelter Canyon Development.
4. Worked with Wastewater Operations assistance to repair a leaking water valve in the Rancho Cielo community.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 3, 2021**

5. Relocated excess spoils from DWTP Backwash Tank Rehabilitation Project to Coyote Flats below Robinson Ranch Wastewater Treatment Plant.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that domestic water was supplied to the reclaimed water reservoir to meet high system demands.

RECOMMENDED ACTION

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

ITEM 9: WASTEWATER SYSTEM UPDATES

Mr. Ulloa reviewed the projects and repairs for October 2021, and he reported that Wastewater Operations staff had completed the following tasks:

1. Worked with TESCO Controls on SCADA system upgrades.
2. Worked with Maintenance Department to install a back-up polymer pump for solids handling.
3. Completed wastewater and recycled water quarterly sampling schedule.
4. Worked with Brightview Landscape for weed abatement of overflow structures at Dove Lake and Reservoir.
5. Cleaned gravity sanitary sewer lines from Falcon View Estates to El Toro Lift Station overnight with Traffic Control assistance.
6. Worked with Maintenance Department on blower motor improvements at the Robinson Ranch WWTP.

Mr. Ulloa provided a review of the Monthly Non-Domestic Water (NDW) System Summary report for October 2021, and he reported that operations supplemented the reclaimed water reservoir with domestic water to meet high system demands. Mr. Perea reported that District staff will invoice NDW users for the cost of supplemental domestic water in accordance with the Recycled Water Allocation Policy.

RECOMMENDED ACTION

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

ITEM 10: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for October 2021, and he provided the additional highlights:

1. Finished repairs at Falcon Booster Pump Station with new motors, and rebuilt pumps.
2. Scheduled Quinn CAT Mobile Services to repair the CAT 430E backhoe stinger ram, located at the Robinson Ranch Wastewater Treatment Plant.
3. Excavated a 12' deep x 16' long x 3' wide trench for the Orange County Fire Authority to perform their annual trench safety training.
4. Provided flood damage assistance at the Administration building.
5. Staff attended the SCADA kick-off meeting with TESCO Controls.

Mr. Stroud provided a brief update on the upcoming staff training for open trench/competent person training.

RECOMMENDED ACTION

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

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | NOVEMBER 3, 2021**

ITEM 11: OTHER MATTERS/REPORTS

There were no other matters or reports received.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the November 3, 2021 Engineering/Operational Committee Meeting at 7:55 AM.