



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

DIRECTORS VIA CONFERENCE CALL

Ed Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, Assistant General Manager/District Secretary
Gary Kessler, Water Department Superintendent
Jason Stroud, Maintenance Superintendent

STAFF PRESENT VIA CONFERENCE CALL

Lorrie Lausten, District Engineer
Karen Warner, Senior Accountant
Lisa Marie Sangi, Administrative Assistant

DISTRICT CONSULTANTS PRESENT VIA CONFERENCE CALL

Mike Swan, PSOMAS Engineering
Kyle Bohn, Tetra Tech Engineers
Joey Gutierrez, JIG Consultants

PUBLIC PRESENT VIA CONFERENCE CALL

None

CALL MEETING TO ORDER

Director Mandich called the February 3, 2021 Engineering/Operational Committee Meeting to order at 7:00 AM. Public access to the meeting was made available by video broadcast.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

None

REPORT FROM THE GENERAL MANAGER

Mr. Paludi had no comments

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda. Director Mandich requested that the recap be updated to reflect his comments concerning Hunsaker and Associates contract with the William Lyon Company is closed and has had no contact with Taylor Morrison.

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

RECOMMENDED ACTION

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

ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) RELATING TO TCWD'S DOMESTIC WATER STORAGE AND RESERVOIR SITING STUDY UPDATE

Ms. Lausten presented this matter for Committee review, and she provided a brief overview of the District's 2016 Domestic Water Storage Siting Study (Study). Ms. Lausten introduced Mr. Mike Swan to the Committee, and she reported that Mr. Swan has prepared an update for the Study. Mr. Swan delivered a PowerPoint presentation which provided an overview of the District's domestic water storage needs throughout the service area. Discussion occurred concerning system demand changes since the original Study from 2016 and the methodology used to determine total days of storage. Director Dopudja recommended that District staff identify storage capacity and user demands on the east and west sides of the District respectively. Ms. Lausten reported that District staff will return with the information at the following Committee meeting.

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee Meeting.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING PORTER PROPERTY RESERVOIR PLANNING LEVEL CONSTRUCTION COST ESTIMATE

Ms. Lausten provided an update on this matter to the Committee, and she reported that District staff worked with Tetra Tech to incorporate the Committee's comments from the prior meeting. Mr. Kyle Bohn, Tetra Tech, delivered a PowerPoint presentation which provided a planning level construction cost estimate for an onsite reservoir at the District's Porter Property. Discussion occurred concerning certain alternative cost items and environmental impacts. The Committee recommended District staff work with Tetra Tech to finalize the report.

RECOMMENDED ACTION:

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

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

Ms. Lausten provided a brief update on this project, and she reported that there has been a minor schedule delay due to temporary electrical power provisions from Southern California Edison (SCE). Ms. Lausten added that the scheduled project completion date is currently June 2021. Ms. Lausten mentioned that she has reached out to surrounding affected customers concerning vibration testing associated with the project, and she reported that certain customers have retained legal counsel concerning the matter.

RECOMMENDED ACTION:

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

ITEM 5: DISCUSSION AND POSSIBLE ACTIONS(S) CONCERNING THE DIMENSION WATER TREATMENT PLANT BACKWASH WASTE TANK REPLACEMENTS

Ms. Lausten provided a brief update on this project, and she introduced Mr. Joey Gutierrez, JIG Consultants, to the Committee. Mr. Gutierrez provided a brief review of the findings in the technical memorandum, and he highlighted the planned improvements at the Dimension Water Treatment Plant (DWTP). Ms. Lausten reported that District staff is procuring quotes for the onsite backwash tank, and that she will receive them prior to the

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

Regular Board Meeting. Mr. Gutierrez reported that the engineer's estimate for the onsite tank is approximately \$150,000 to \$175,000. The Committee recommended agendizing this matter for Board consideration at the following Regular Board Meeting.

RECOMMENDED ACTION:

The Committee received the status update. Take to Board.

ITEM 6: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Saddle Crest Development

Mr. Paludi presented this project for Committee review, and he provided a brief report on recent discussions with the developer concerning the acceptance of the onsite facilities.

2. Saddleback Meadows Development

Ms. Lausten provided a brief update on this project, and she reported that District staff is currently in discussion with the developer concerning the potential for onsite storage to meet the projected water demands.

3. Joplin Property/SCADA Upgrade

Mr. Paludi reported that District staff is currently in discussion with Orange County Public Works (OCPW) staff on an operating licensing agreement related to the SCADA upgrades at the Joplin Youth Camp Reservoir.

4. Policy and Procedures for Commercial Communication Facilities Located on District Property

Ms. Lausten reported that District staff is working with its consultant ATS Communications to prepare a Policy and Procedures for current and future commercial communications facilities on District properties. Ms. Lausten added that this matter will be agendized for the following Committee meeting.

5. Other Projects

None

RECOMMENDED ACTION

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

ITEM 7: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for January 2021, and he provided the additional highlights:

1. Water Operations staff repaired the struck water service lines, responsible by the resident on Rose Canyon Road in the Canyon Community.
2. Water Operations staff worked with Ferriera Construction to repair a 10-inch water main line to the Cooks reservoir.
3. Water Operations staff worked with Ferriera Construction to replace a 12"x10" transition coupling on High Country in the Trabuco Highlands Community.
4. Water Operations staff replaced an influent valve and an actuator on Filter #2 at Dimension Water Treatment Plant.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that there are some system anomalies associated with the meter at Ridgeline Booster Pump Station that will be adjusted in a future summary.

RECOMMENDED ACTION

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

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

ITEM 8: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for January 2021, and he provided the additional highlights:

1. Wastewater Operations staff drained, cleaned, and repaired the aeration system of the aerobic digester at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Wastewater Operations staff worked with Maintenance Department to repair the Hoffman Blower motor for the East Sequencing Batch Reactor (SBR) at the WWTP.
3. Wastewater Operations staff cleaned the Bell Canyon Sewer Lift Station wet well and station general area prior to Ferreira Construction beginning the rehabilitation project.
4. Wastewater Operations staff received, reviewed, and provided input on the Wastewater Operator I recruitment process.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary and he provided a brief update on the installation of a new odor control system at the Bell Canyon Sewer Lift Station the prior week. Discussion occurred concerning the sanitary sewer system characteristics and the production of hydrogen sulfide gas.

RECOMMENDED ACTION

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

ITEM 9: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for December 2020, and he provided the additional highlights:

1. Maintenance Department staff sent the crane truck in for electrical repair.
2. Maintenance Department staff worked with TESCO Controls on upcoming SCADA upgrades.
3. Maintenance Department staff worked with Flo Service to install a small backwash pump at Dimension Water Treatment Plant.
4. Maintenance Department staff completed the Maintenance office remodel.
5. Maintenance Department staff assisted the Water Department on the water main break on High Country Drive in the Trabuco Highlands Community.
6. Maintenance Department staff performed investigative work on the Hofmann Blower on the West SBR at Wastewater Water Treatment Plant.
7. Maintenance Department staff assisted with staging of public awareness for the asphalt work done by Champion Paving at the Dove Recycle Booster Station.
8. Maintenance Department staff assisted with staging of public awareness for the slurry done by Mission Paving at the Robinson Ranch Wastewater Treatment Plant access road.

RECOMMENDED ACTION

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

ITEM 10: OTHER MATTERS/REPORTS

None

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the February 3, 2021 Engineering/Operational Committee Meeting at 8:34 AM.