



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | APRIL 7, 2021

DIRECTORS PRESENT

Ed Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Gary Kessler, Water Department Superintendent
Jason Stroud, Maintenance Superintendent
Lisa Marie Sangi, Executive Assistant

STAFF PRESENT VIA CONFERENCE CALL

Lorrie Lausten, District Engineer

DISTRICT CONSULTANTS PRESENT VIA CONFERENCE CALL

Mike Swan, PSOMAS Engineering

PUBLIC PRESENT VIA CONFERENCE CALL

None

CALL MEETING TO ORDER

Director Mandich called the April 7, 2021 Engineering/Operational Committee Meeting to order at 7:05 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

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).

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

Ms. Lausten provided a project status update for Committee review, and she presented an updated Domestic Water Storage & Reservoir Siting Study (Study) which incorporated Committee input from the prior meeting. Mr. Swan briefly reviewed additional non-substantive changes in the study from the prior version. Mr. Paludi commented that District staff recommends reviewing the methodology of the District's development fees and charges, and he added that additional review of the District's future systemwide domestic water storage capacity. Discussion occurred concerning the proposed tank options in the study. Ms. Lausten recommended improvements to the District existing Harris Grade site in order to balance the District's storage/demand deficiencies. Mr. Kessler concurred with Ms. Lausten regarding the Harris Grade site. Discussion occurred briefly concerning additional reservoir siting locations within the District service area, and the Committee provided additional feedback to staff concerning certain portions of the study.

RECOMMENDED ACTION:

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

Director Mandich recommended moving forward Item 5 Saddleback Meadows. Director Mandich recused himself from meeting business and exited the Board Room at approximately 7:26 a.m.

ITEM 5: SADDLEBACK MEADOWS DEVELOPMENT (181 DUS)

Mr. Paludi presented this matter for Committee consideration. Mr. Swan provided a brief review on the updated DRAFT Sub Area Master Plan (SAMP) for the development, and he highlighted the changes from the previous version. Discussion occurred concerning certain portions of the SAMP, including domestic water storage options. The Committee recommended scheduling an Engineering/Operational Committee Special Meeting, and for District staff to provide the DRAFT SAMP to the developer for their review.

RECOMMENDED ACTION:

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

Director Mandich returned to the Board Room at approximately 7:41 a.m. and resumed his participation on the remaining meeting business.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Ms. Lausten provided a project status to the Committee, and she provided an overview of the project construction report with the Committee. Discussion occurred concerning odor control measures during construction; Mr. Paludi reported that Wastewater Operations worked with the contractor to mitigate the odors. Ms. Lausten briefly reviewed the project changes to the contract due Dove Canyon Master Association (DCMA) street paving schedule.

RECOMMENDED ACTION:

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

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ITEM 4: DISCUSSION CONCERNING GOLF CLUB SEWER LIFT STATION REPAIRS & IMPROVEMENTS

Mr. Paludi introduced this matter to the Committee. Mr. Stroud provided a brief project update on the improvements to the facility, and he reviewed the project photos with the Committee. Discussion occurred concerning other planned improvements to the facility, including the replacement of previous repairs, pump improvements, and site security improvements.

RECOMMENDED ACTION:

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

ITEM 6: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Proposed Capital Improvement Program Budget for Fiscal Year 2021-2022

Mr. Paludi introduced this matter for Committee review. Ms. Lausten reviewed the current and completed fiscal year capital improvement projects. Discussion occurred concerning certain proposed capital projects, including grant funded projects, improvements at the Dimension Water Treatment Plant (DWTP), and Dove Lake access road improvements. Ms. Lausten reported that more information would be presented the Special Board Meeting – Budget Workshop.

2. Joplin Property/SCADA Upgrade

Mr. Paludi provided an update on this matter, and he reported that District has fully executed the license agreement with Orange County Public Works for the District’s SCADA System improvements. Ms. Lausten briefly reviewed options for provided a temporary solution, transfer of right of way, cellular fail over.

3. 2020 Urban Water Management Plan (UWMP) and Water Shortage Contingency Plan (WSCP) Update

Mr. Paludi introduced this matter for Committee consideration, and he provided a brief overview of the significant changes from the 2015 UWMP, including the required preparation and adoption of a Water Shortage Contingency Plan consistent with Department of Water Resources regulatory requirements. Discussion occurred concerning the District’s domestic water system modeling and the overall impacts of drought conditions.

4. Master Plan and Condition Assessment RFP

Mr. Paludi introduced this matter for Committee review, and he reported that District staff has prepared a Request for Proposals (RFP) for an independent consultant to prepare a District Master Plan Update and Condition Assessment. Discussion occurred concerning the proposed scope of work and level of staff involvement in relation to critical system issues. Mr. Paludi added that District staff is currently working with MKN Associates to identify a potential Computerized Management Maintenance Solution (CMMS) system replacement that better suits the District’s needs.

5. Saddle Crest Development

Mr. Paludi provided a brief update to the Committee, and he mentioned that District staff has provided the items to the developer consistent with Board direction at the prior Regular Board Meeting.

6. Other Projects

Mr. Paludi provided a brief update on the Administrative Facility improvements, including the roof repair and office upgrade.

RECOMMENDED ACTION

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

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ITEM 7: WATER SYSTEM UPDATES

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

1. Water Operations staff replaced water service on Wood Spring Circle in the Portola Hills community.
2. Water Operations staff worked with Ferreira Construction to repair a 14" valve on Ridgeline Rd in the Canyon community.
3. Water Operations staff repaired a struck a Blow Off on the El toro bike trail.
4. Water Operations staff replaced 5 air vacs throughout the District.
5. Water Operations staff replaced a commercial fire hydrant behind Smart & Final.
6. Water Operations staff replaced a curb stop on Mill Stream Road in the Trabuco Highlands community.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported on emergency domestic line break repair on the El Toro Bike Trail which resulted in significant water loss due to damage by County of Orange workers. Director Dopudja requested that future reports include valve exercise progress updates.

RECOMMENDED ACTION

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

ITEM 8: WASTEWATER SYSTEM UPDATES

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

1. Wastewater Operations staff responded to flooding at Tick Creek Pump Station due to rain event impacts which resulted in an overflow. Staff remediated the standing water and adjusted the overflow structure.
2. Wastewater Operations staff worked with Ferreira Construction and Koppl Pipeline Services for installation of one in-line isolation valve on the discharge force main at Golf Club Sewer Lift Station.
3. Wastewater Operations staff cleaned the v-ditch below Dove Canyon Recycled Water Pump Station.
4. Wastewater Operations staff performed the annual exercise of the Recycled Water Reservoir discharge valve.
5. Wastewater Operations staff performed routine preventative maintenance on the Belt Press Filter Pump and replace the pump impeller.
6. Wastewater Operations staff worked with Maintenance staff to replace the sludge line to the Belt Press Filter and flow meter.
7. The Wastewater Operations Department welcomes new Operator in Training Mr. Garret Rias.

Mr. Stroud reviewed the Monthly Wastewater System Operations Summary with the Committee, and he reported that the District is currently selling non-domestic water to Santa Margarita Water District (SMWD) consistent with existing contractual arrangement. Director Dopudja requested that future reports include valve exercise progress updates. Director Dopudja requested that future reports include additional information concerning total number of feet of sewer line cleaned.

RECOMMENDED ACTION

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

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ITEM 9: MAINTENANCE DEPARTMENT UPDATES

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

1. Maintenance Department staff Installed a new chemical feed pump at the Dimension Water Treatment Plant.
2. Maintenance Department staff worked with Ferreira construction and Koppel Construction to wet tap a new isolation valve at the Golf Club Lift Station force main.
3. Maintenance Department staff worked with Sanitation Operations at the Golf Club Lift Station dry pit to install a new isolation valve and check valve flappers (night job).
4. Maintenance Department staff (2) along with staff from Water Operations (2) and Wastewater Operations (2) trained, tested, and passed the NCCCO crane certification program.
5. Maintenance Department staff assisted with an emergency repair at the Golf Club Lift Station emergency generator. Along with assisting Duthie Power on the install of a new water pump, belts, and coolant.
6. Maintenance Department staff assisted Flo-Services on the continuing work at El Toro Sewer Lift Station north side sewer pumps.

There was a brief discussion on the flow to El Toro Sewer Lift Station, contribution to that facility.

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 April 7, 2021 Engineering/Operational Committee Meeting at 9:05AM.