



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | SEPTEMBER 6, 2017

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lisa Sangi, Administrative Assistant
Kris Hanberg, Wastewater Department Superintendent
Gary Kessler, Water Department Superintendent
Dona Bozeman, Lead Customer Service Representative

PUBLIC PRESENT

Mr. Robert Meyer.

CALL MEETING TO ORDER

Director Mandich called the September 6, 2017, 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

No comments were received.

REPORT FROM THE GENERAL MANAGER

- Mr. Ruiz welcomed Mr. Robert Meyer to the Committee Meeting, and mentioned that his attendance was in regards to Item No. Six on the Agenda concerning the Memorandum of Understanding for the Supply of Irrigation Water to Tract No. 12365.
- Mr. Ruiz reported that the State Division of Dam Safety has notified the District their intent to make public the information related to all Dams throughout the California. Mr. Ruiz added that the District's dams have been rated satisfactorily, and that the review of the inundation maps will be agendized for Committee review at a later date.
- Mr. Ruiz reported that District staff is currently reviewing the organizational needs due a recent change in staffing levels. Mr. Ruiz added that District staff is currently considering the hiring of a full time Electrical/Instrumentation Technologist, and that he would work with the Maintenance Department and Mr. Perea to bring the matter to the Board for their review.
- Mr. Ruiz reported that the perimeter security fence for the Dove Canyon Reservoir was vandalized over the weekend. Mr. Ruiz added that District staff immediately coordinated with a vendor to repair the security fence, and that the incident was reported to the Orange County Sherriff's Department. Director Mandich commented on the graffiti on the rocks on Dove Lake shoreline.

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ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The August 2, 2017, Engineering/Operational Committee Meeting Recap was presented to the Committee.

RECOMMENDED ACTION

The Committee approved, and recommended that the Board receive and file the August 2, 2017, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a project status update, and presented the Draft Notice of Completion for filing with the County of Orange Office of the Recorder. Ms. Lausten provided a brief review of updated construction photos, and highlighted the final remaining items for Ferreira Construction (Contractor) completion, which included road striping, other road work, and the removal of an abandoned vault. Ms. Lausten presented a contract change order in the amount of approximately \$3,426, approved to be forward to the Board. Mr. Ruiz commented that there will be an additional future change order for costs associated with additional items in the amount of \$65,000. Mr. Ruiz mentioned that District staff intends to file the Draft Notice of Completion on Friday when the project is completed. Discussion occurred concerning future reporting to the Committee on matters related to this project.

RECOMMENDED ACTION

The Committee received the status update, and recommended that the Contract Change Order and the Notice of Completion be forwarded to the Board upon recording with the County of Orange Office of the Recorder (Action Calendar).

ITEM 3: BAKER WATER TREATMENT FACILITY

Mr. Ruiz provided a project status update, and briefly reviewed the proposed terms of the Draft Agreement for the sale of unused/excess water from the Baker Water Treatment Plant (BWTP). Mr. Ruiz highlighted the costs associated with variable charges and facility maintenance. Mr. Ruiz added that this matter will be agendized for Board review at the September 20, 2017, Regular Board Meeting. Discussion occurred concerning the costs associated with metering BWTP water through the South County System.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: DOVE & ROBINSON RANCH RECYCLED WATER PUMP STATIONS REPLACEMENT PROJECT – PHASE 1

Ms. Lausten provided a status update on this project, a provided a handout which highlighted the project schedule for Committee review. Ms. Lausten mentioned that the District is currently working with JIG Consultants and PSOMAS on the facility preliminary design, and that District staff anticipates the completion of a Draft Technical Memorandum by the following month. Mr. Ruiz added that the Draft Technical Memorandum will review potential locations best suited for a recycled water reservoir in the District's service area.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: MOUNTAIN VIEW ROAD - POTABLE WATER DISTRIBUTION MAIN REPLACEMENT PROJECT (END OF MAIN SECTION)

Mr. Ruiz provided a status update on this project, and presented the Draft Notice of Completion for filing with the County of Orange Office of the Recorder. Mr. Ruiz briefly reviewed some of the challenges associated with the project. Ms. Lausten presented a handout which reviewed project costs, which included original contract costs, consultant services costs, CAD updates, and a contract change order for costs associated with increased

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onsite inspection services. Discussion occurred concerning lessons learned from the project challenges and the necessity of onsite inspection services. Mr. Ruiz mentioned that District staff intends to file the Draft Notice of Completion with the County of Orange Office of the Recorder later in the week.

RECOMMENDED ACTION

The Committee received the status update, and recommended that the Notice of Completion be forwarded to the Board upon recording with the County of Orange Office of the Recorder (Action Calendar).

**ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING TRACT 12365 SUPPLY OF IRRIGATION WATER
MEMORANDUM OF UNDERSTANDING**

Mr. Ruiz presented this matter for Committee review, and mentioned that the current Memorandum of Understanding (MOU) with Zadeh (Developer) ends on October 1, 2017. Mr. Ruiz added that he has coordinated with Mr. Meyer and General Legal Counsel on the preparation of the proposed Draft Third Extension of the MOU (exhibit). Mr. Ruiz delivered a PowerPoint presentation which highlighted the four onsite wells in the Falcon Estates community that produce water that is currently used for irrigation purposes only, and highlighted the field investigative results of the well depths and water quality lab test results. Mr. Ruiz added that after review of the onsite well capacities and proximities to the District's existing infrastructure that Mr. Meyer and the Developer has agreed to abandon Well No. 2. Mr. Ruiz provided a handout that indicated the location of the District's pipeline adjacent to Well No. 2 Facility for Committee review. Mr. Ruiz mentioned that District staff has scheduled additional investigation by potholing in order to determine the exact location of the District's pipeline. Discussion occurred concerning the total number of potholes scheduled for the project. Mr. Ruiz mentioned that District staff recommends the extension of the MOU for a term of five to ten years.

RECOMMENDED ACTION

The Committee received the information concerning the matter, and recommended that the Draft Third Extension of the Memorandum of Understanding be forwarded to the Board (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Supervisory Control and Data Acquisition (SCADA) System – Phase 1

Ms. Lausten reported that District staff is scheduled to meet with TESCO the following week to review interim solution recommendations for the District's SCADA System.

2. Tick Creek Pump Station –Slide Weir Gate

Mr. Hanberg provided a status update on this project, and mentioned that the contractor installed the slide gate the previous day. Mr. Hanberg briefly reviewed the installation process, and mentioned that District staff was scheduled to test the gate later that day.

3. Via Allegre Wet Well Expansion Project

Mr. Ruiz provided a status update on this project, and briefly mentioned that District staff has received the updated geotechnical report for use in completing the wet well design and specifications.

4. El Toro Road Sewer Lift Station Force Main Valve Replacement

Mr. Hanberg provided a status update on the project, and reported that District staff has received the valve for this project. Mr. Hanberg briefly reviewed the installation plan with the Committee, and commented that District staff anticipates the completion of the project by the following week.

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5. Other Projects

Mr. Ruiz commented that there were no other projects to report, but mentioned that District staff is prepared to focus on other Capital Improvement Projects now that the Alternate Raw Water Transmission Line Project has been completed.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 8: ACTIVE DEVELOPMENTS

1. Dahlia Court Development (36 DUs | WSL)

Ms. Lausten reported that all of the water meters for the residences have been issued to the Developer, and that there are only two homes remaining for sale. Ms. Lausten reported that District staff has procured three quotes for pavement/asphalt improvements to the entrance of the Plano Trabuco Sewer Lift Station adjacent to the development.

2. Skyridge Development (84 DUs | WSL)

Ms. Lausten reported there were no updates.

3. Saddle Crest Development (162 DUs | WSL)

Mr. Ruiz reported that currently he has worked with the Developer to finalize the Agreement for the Construction of Water and Sewer Facilities. Mr. Ruiz added that District staff has met with DMc Engineering (Consultant) to review final items related to the construction of the onsite reservoir, including the retaining wall ownership and maintenance.

4. Saddleback Meadows (184 DUs)

Mr. Ruiz reported that there were no updates for this development.

5. Oaks at Trabuco, County of Orange (9 DUs | WSL)

Mr. Ruiz reported that District staff met with the Developer to review the scope of work and schedule for the reclassification of the facility for secondary treatment of the wastewater produced in the development. Mr. Ruiz mentioned that the permit-required technical report would be prepared by District staff prior submission to the State Water Board.

6. Other Active Developments

There was no other active development information received.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: WATER SYSTEM UPDATES

Mr. Kessler presented the Water System Status Update through August, 2017, and reported on the following matters:

- Water System Department staff assisted with two system shutdowns related to the Alternate Raw Water Transmission Line (ARWTL) intertie and to Irvine Ranch Water District's (IRWD) repair of the Baker Pipeline.
- Water System Department staff repaired a leaking blow off on Foxhollow in Dove Canyon.
- Water System Department staff responded to and repaired an Air Vacuum Breaker that was struck by a vehicle near the intersection of El Toro Road and Ridgeline.

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- Water System Department staff conducted maintenance at the DWTP while it was offline.

Mr. Kessler reported that Water Operations staff responded to a line break at the Ramakrishna Monastery. Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and highlighted the 45,000 gallons of water lost due to line breaks for the month. Discussion occurred concerning the damage to a District Air Vacuum Breaker on El Toro Road due to an automobile accident; Mr. Perea mentioned that the costs associated with the repair of the device will be submitted to the vehicle owner's automobile insurance company for reimbursement.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 10: WASTEWATER SYSTEM UPDATES

Mr. Hanberg presented the Wastewater System Status update through August, 2017, and reported on the following matters:

- Wastewater Department staff replaced rollers and bearings to the sludge dewatering belt press with the assistance of the Maintenance Department.
- Wastewater Department staff started to remove asphalt at the Robinson Ranch Wastewater Treatment Plant for Sequencing Batch Reactors (SBRs) airline replacement.
- Wastewater Department staff has cleaned the desilting basin at Shadow Rock Detention Basin Facility.

Mr. Hanberg presented the Monthly Recycled Water System Operations Summary Report for Committee review and highlighted the Sewer System Management Plan (SSMP) updates. Mr. Hanberg reported that recycled water levels were lower than normal due to less demand and cooler weather. Director Mandich commented on the increase of duckweed in Dove Lake; Mr. Hanberg replied that Wastewater Operations has installed a floating barrier to trap the duckweed to allow it to die off, and mentioned that although it is a naturally occurring issue, that it is primarily an aesthetic nuisance that does not affect the water quality.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: OTHER MATTERS/REPORTS

Mr. Ruiz reported that District staff is currently reviewing costs associated with procuring recycled water permits outside of the South Orange County Wastewater Authority (SOCWA), and mentioned that he reviewed this matter at the September 29, 2017, SOCWA Finance Committee Meeting.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the September 6, 2017, Engineering/Operational Committee Meeting at 8:21 AM.