



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 2, 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

There were no members of the public present.

CALL MEETING TO ORDER

Director Mandich called the August 2, 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 reported that Ms. Lausten was not in attendance due to illness.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The July 5, 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 July 5, 2017, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a project status update, and mentioned that there was no action required. Mr. Ruiz expressed his satisfaction with the selection of Ferreira Construction (Contractor) as the project contractor. Mr. Ruiz reviewed the Three-Week Project Schedule forecast for Committee review, and highlighted the project construction photos included as exhibits. Mr. Ruiz reported that the Contractor was currently working on the installation of the blow-off valves, and would then perform a hydraulic pressure test of the pipeline with the discharge processed and treated at the Dimension Water Treatment Plant (DWTP). Mr. Ruiz reported that the system was tentatively scheduled for startup on the week of August 21, 2017, and that District staff will have a

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firm schedule for review at the Regular Board Meeting. Mr. Ruiz mentioned that Irvine Ranch Water District (IRWD) has notified District staff that they plan to relocate existing asbestos cement pipe (ACP) pipelines at the adjacent Baker Water Treatment Plant (BWTP) for the purpose of long-term reliability and to remove sections of their existing pipelines on the County trail. Mr. Ruiz reported that District staff is currently working with the right of way consultant to work with the local homeowner associations to identify and resolve the appropriate points of access for the removal of the section of pipe crossing Serrano Creek.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 3: BAKER WATER TREATMENT FACILITY

Mr. Ruiz provided a project status update, and mentioned that there was no action required. Mr. Ruiz reported that IRWD notified District staff of an emergency shutdown of the thirty-nine inch Baker pipeline due to damage from a contractor. Mr. Ruiz added that the shutdown process lasted approximately twenty-four hours, and that IRWD staff successfully completed a temporary repair. Mr. Ruiz presented an analysis of the proposed agreement term scenarios for the sale of excess/unused BWTP to the City of San Clemente (City). Mr. Ruiz reviewed the capital recovery options available to the District and discussed the planned methodology for determining the water sale costs to the City. Discussion occurred concerning the proposed agreement scenarios. Mr. Ruiz reported that this matter would be reviewed with the Finance/Audit Committee, and then subsequently, with the Board of Directors at the Regular Board Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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

Mr. Ruiz provided a status update on this project, and mentioned that the project kick-off meeting was postponed due to Ms. Lausten’s illness. Mr. Ruiz reported that District staff recommends that PSOMAS complete the Hydraulic Analysis for the Recycled Water Pump Station and Recycled Water Reservoir(s) due to their knowledge and familiarity with the hydraulic model. Mr. Ruiz briefly reviewed the PSOMAS proposed Hydraulic Analysis, and mentioned that he would direct PSOMAS to proceed with the analysis as the cost of \$16,000 was within his signing authority.

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 highlighted the project-related challenges. Mr. Ruiz expressed his gratitude for the onsite construction management consultant’s assistance. Mr. Ruiz briefly reviewed the project timeline, and reported that the District contracted with Ferreira Construction for the installation of an additional fire hydrant. Mr. Ruiz briefly reviewed the construction photos with the Committee which highlighted the completed installation of the water meters, meter boxes, and independent residential backflow devices. Mr. Ruiz reviewed the project-related challenges during the excavation process.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 6: OTHER ENGINEERING AND OPERATIONS PROJECTS

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

Mr. Ruiz provided a status update on this project, and mentioned that TESCO and Beavens Systems Incorporated have met with District staff to finalize the SCADA report.

2. Tick Creek Pump Station –Slide Weir Gate

Mr. Ruiz provided a status update on this project, and mentioned that the slide gate is currently being fabricated. Mr. Ruiz added that the slide gate fabrication is tentatively scheduled for completion the following week.

3. Via Allegre Wet Well Expansion Project

Mr. Ruiz provided a status update on this project, and mentioned that the project-related geotechnical work has been completed. Mr. Ruiz added that Ms. Lausten will work on the final wet well specifications.

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

Mr. Ruiz provided a status update on this project, and mentioned that the force main valve is currently being fabricated. Mr. Ruiz added that the force main valve is tentative scheduled for completion in September, 2017, with installation during October.

5. Other Projects

Mr. Ruiz commented that there were no other projects to report.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 7: ACTIVE DEVELOPMENTS

1. Dahlia Court Development (36 DUs | WSL)

Mr. Ruiz reported there were no updates for this development, and mentioned that the remaining units are currently under construction.

2. Skyridge Development (84 DUs | WSL)

Mr. Ruiz reported that the recycled water connection for the development has been completed, and that the developer has designated an existing parcel for the construction of a community swimming pool. Mr. Ruiz added that Mr. Hanberg was currently working with the Department of Public Health in order to meet the recycled water irrigation requirements adjacent to the proposed swimming pool.

3. Saddle Crest Development (162 DUs | WSL)

Mr. Ruiz reported that District staff was in receipt of the design report for the construction of the onsite 1.5 million gallon (MG) water reservoir. Mr. Ruiz added that District staff was currently working with Tetra Tech (Consultant) to review the design report and complete plan checks of the onsite and offsite work.

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 developer and the County of Orange concerning the onsite wastewater treatment facility. Mr. Ruiz mentioned that the permit-required technical report would be prepared by District staff prior submission to the State Water Board.

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6. Other Active Developments

There was no other active development information received.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 8: WATER SYSTEM UPDATES

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

- Water System Department staff assisted the Mountain View Project Contractor with the final connection of the new water main and installation of a new fire hydrant.
- Water System Department staff repaired a leaking blow off valve on Saint Elias in Dove Canyon.
- Water System Department staff started work on the District's Fire Hydrant Flushing Program in the Dove Canyon Community.

Mr. Kessler provided a brief review of the Baker pipeline emergency shutdown, and reported that the District purchased four acre-feet of treated water from Santa Margarita Water District (SMWD) and approximately one and a half acre-feet of treated water from IRWD. Mr. Kessler mentioned that there was no read for the SAC pipeline for July 2017 due to access-related issues, but that he would update the following month's report for Committee review.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: WASTEWATER SYSTEM UPDATES

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

- Wastewater Department staff installed a new mag meter at the Plano Trabuco Sewer Lift Station.
- Wastewater Department staff installed new dissolved oxygen probes for water quality monitoring at Dove Lake.
- Wastewater Department staff replaced the shed that houses the chlorine injection equipment at the Bell Canyon Sewer Lift Station.

Mr. Hanberg presented the Monthly Recycled Water System Operations Summary Report for Committee review. Mr. Hanberg reported that Wastewater Operations staff completed the installation of approximately 170 feet of electrical conduit for the installation and control of dissolved oxygen probes in Dove Lake. Mr. Hanberg highlighted the increase in recycled water usage for the month of July, but indicated that Dove Lake was approximately four feet higher than normal due to the rain events at the beginning of the year, which would require less supplemental domestic water than last year.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 10: OTHER MATTERS/REPORTS

There were no other matters or reports received.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the August 2, 2017, Engineering/Operational Committee Meeting at 7:58 AM.