



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 4, 2017

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Engineer
Lisa Sangi, Administrative Assistant
Kris Hanberg, Wastewater Department Superintendent
Gary Kessler, Water Department Chief Plant Operator
Jason Stroud, Lead Mechanical Technologist

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the January 4, 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

Director Dopudja had no comments.

Director Mandich had no comments.

REPORT FROM THE GENERAL MANAGER

Mr. Ruiz wished everyone in attendance a Happy New Year.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The December 7, 2016, Engineering/Operational Committee Meeting Recap was presented to the Committee.

RECOMMENDED ACTION

Director Mandich and Mr. Perea approved, and recommended that the Board receive and file the December 7, 2016, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a status update on this project for Committee review. Ms. Lausten reported that she has contacted Paulus Engineering after the Board of Directors approved the withdrawal of their proposal for construction services, and subsequently, met with Ferreira Construction Co. (Ferreira), the second low bidder, to

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review the project schedule and Federal Emergency Management Agency (FEMA) required documentation. Ms. Lausten provided a handout of the proposed project schedule, and indicated that project completion is anticipated in August 2017. Mr. Ruiz mentioned that District staff has verbally updated CalOES on the selection of Ferreira for the construction of the project. Ms. Lausten provided a brief update of District staff's review of the received Construction Management proposals, and mentioned that District staff will present the results of the evaluation and proposed consultant selection at the January 18, 2016 Regular Board Meeting. Ms. Lausten mentioned that the Environmental Services proposals are due tomorrow January 5, 2017 at 2:00 p.m. and staff anticipate review and selection of a consultant at the January 18, 2017 Regular Board Meeting as well.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 3: BAKER WATER TREATMENT FACILITY

Mr. Ruiz provided a status update on this project for Committee review, and mentioned that Irvine Ranch Water District (IRWD) has notified District staff that the Baker Water Treatment Plant (BWTP) is currently online and undergoing a seven-day operational test. Mr. Ruiz added that there is no Construction Report as the facility construction is complete. Discussion occurred concerning the Municipal Water District of Orange County (MWDOC) Draft Billing Letter Memorandum of Understanding; Mr. Ruiz mentioned that a meeting has been scheduled with MWDOC staff to more fully discuss this matter, clarify agreement terms concerning billing processes, as well as if there is a need for an agreement at all. Director Dopudja asked if there were alternative plans outside of working with MWDOC on this matter; Mr. Ruiz affirmed that there is an alternative plan, but it requires further investigation and review with other non-Baker Water Treatment Plant agencies. Discussion occurred concerning interest for the purchase of the District's excess BWTP water from other south county water agencies for the purchase of the District's excess BWTP water; Mr. Ruiz mentioned that there are some agencies that have expressed interest, and that he will have more information at the time of the Regular Board Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECTS

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

Ms. Lausten provided a status update on this project, and mentioned that District staff has scheduled the onsite visit for January 17, 2017 with TESCO for the evaluation of the District's SCADA System.

2. Plano Sewage Lift Station and Plano Water Booster Pump Station Facility Site Security Improvements

Ms. Lausten provided a status update on this project, and mentioned that District staff has received the submittals for the security improvements. Ms. Lausten mentioned that the project is anticipated to be completed by March 2017.

3. Existing Network Infrastructure Upgrade

Mr. Perea provided a status update on this project, and reported that District staff is currently securing proposals for the relocation of the server equipment, which includes additional cabling and electrical improvements for the new uninterruptible power supply. Mr. Perea added that District staff is reviewing the impacts of the server equipment relocation on the Administration Facility's Heating, Ventilation and Air Conditioning (HVAC) System.

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4. Ridgeline Booster Pump Station Upgrades and Improvements Phase I

Mr. Ruiz provided a status update on this project, and highlighted the Ridgeline Booster Pump Station Improvement and Reservoir Storage Increase Modeling Analysis (Report) prepared by PSOMAS. Mr. Ruiz reviewed the existing and proposed facilities and Model Simulation Scenarios, and mentioned that District staff met with PSOMAS to provide comments on the Report. Discussion occurred concerning improvement recommendations, construction cost estimates, and the proposed developer cost allocation.

5. Other Projects

None

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING SADDLE CREST DEVELOPMENT (65 DUs)

Mr. Ruiz provided a status update on this development, and said there was no action required. Mr. Ruiz mentioned that District staff has met with Rutter Development (Developer) to review the requirements of the Will Serve Letter, and that the Developer advised their planned grading start date of February 1, 2017. Mr. Ruiz mentioned that he has received the required Reservoir Technical Memorandum from the Developer, which includes the cost sharing elements for the construction of the onsite reservoir. Mr. Ruiz added that District staff is currently working with Tetra Tech to review the preliminary Ridgeline Booster Pump Station facility improvements originally planned for the Saddleback Meadows development. Mr. Ruiz mentioned that a DRAFT Will Serve Letter may be presented at the next Regular Board Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 6: ACTIVE DEVELOPMENTS

1. Dahlia Court Development (36 DUs | WSL)

Ms. Lausten reported that there was no new activity on this development.

2. Skyridge Development (84 DUs | WSL)

Ms. Lausten reported that there was no new activity on this development.

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

Mr. Ruiz reported that District staff is currently working with the Regional Board and the South Orange County Wastewater Authority (SOCWA) to determine if the onsite facility can be downgraded from a Title 22 Tertiary Treatment to a Secondary Treatment Facility due to the low flows, location, and opportunity for disposal within a restricted area. Mr. Ruiz added that District staff will be reviewing the necessary application and documents for consideration, and have a planned meeting with SOCWA staff later in the month.

4. Other Active Developments

Discussion occurred concerning the potential for new residential development at the Dove Shopping Center.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 7: WATER SYSTEM UPDATES

Mr. Kessler presented the Water System Status Update through December 2016, and reported on the following matters:

1. Water Department staff prepared for the Department of Health inspection for the entire distribution system and treatment facilities.
2. Water Department staff replaced a one-inch and half meter with a one-inch meter on Mountain Laurel in the Dove Canyon Community.

Mr. Kessler mentioned that the Water Department replaced a fire hydrant on Dellwood in the Dove Canyon Community. Mr. Kessler provided an updated Monthly Water System Operations Summary report for December 2016 for Committee review. Discussion occurred concerning the current conservation efforts of District customers; Mr. Kessler commented that the District's customers demand reduced by 10% in month of December 2016 in comparison to the same month in 2013.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 8: WASTEWATER SYSTEM UPDATES

Mr. Hanberg presented the Wastewater System Status update through December, 2016, and reported on the following matters:

1. Wastewater Department staff completed the annual inspection of the Dove Canyon Community recycled water irrigation system.
2. Wastewater Department staff finished building aeration system headers for the aerobic digester at the Robinson Ranch Wastewater Treatment Plant (WWTP).
3. Wastewater Department staff assisted the Maintenance Department staff with the installation of the two-inch conduit for the Cox Communications Telecommunication Improvement Project at the WWTP
4. Wastewater Department staff pulled 300 feet of new phone line at the Santiago Sewer Lift Station.

Mr. Hanberg provided an updated Monthly Recycled Water System Operations Summary for December 2016 for Committee review, and reported that the Dove Lake freeboard is currently at 4 feet due to the recent rain events. Mr. Hanberg presented the fourth quarter Sewer System Management Plan (SSMP) Report and the SSMP Annual Audit for Committee review. Discussion occurred concerning routine recycled water sampling methods and results.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: OTHER MATTERS/REPORTS

Mr. Ruiz reported that although District staff budgeted for the replacement of the Administrative staff fleet vehicle (Ford Explorer), that the recent reorganization and salvaging of older service vehicles requires the need for equipping the Maintenance Department with service trucks. Mr. Ruiz added that he prefers the purchase of another utility service vehicle. Mr. Ruiz mentioned that he plans to use the budget for the replacement of the Ford Explorer and the unanticipated revenue from the disposal of surplus property to purchase the utility service vehicle. Mr. Ruiz added that this matter will be shared with the Finance/Audit Committee.

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RECOMMENDED ACTION

The Committee received the information, no action taken.

ADJOURNMENT

Director Mandich adjourned the January 4, 2016, Engineering/Operational Committee Meeting at 7:49 AM.