

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 7, 2015**

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Engineer
Kris Hanberg, Wastewater Department Chief Plant Operator
Gary Kessler, Water Department Chief Plant Operator
Jason Stroud, Maintenance Technologist II
Travis Jones, Wastewater Chief Plant Operator
Lisa Carmouche, Administrative Assistant

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Director Mandich called the October 7, 2015, 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 reported the following matters:

- Mr. Ruiz introduced Mr. Travis Jones and Mr. Jason Stroud to the Committee.
- Mr. Ruiz commented on his attendance at the Communities Associations of Rancho (CAR) Meeting, and mentioned that the group reviewed the potential impacts of the Model Water Efficiency Landscape Ordinance (MWELo) to municipal and homeowner association landscapes. Mr. Ruiz added that Dove Canyon Master Association delivered a presentation on the history and demographics of the community. Mr. Ruiz mentioned that he discussed the District's Analysis of Water, Wastewater, and Recycled Water Rates, and notified the group of the scheduled Special Board Meeting Rate Workshop.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 7, 2015**

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Ruiz presented the September 2, 2015, Engineering/Operational Committee Meeting Recap for Committee review. There were no comments received.

RECOMMENDED ACTION

The Committee recommended that the Board receive and file the September 2, 2015, Engineering/ Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a status update on this project, and mentioned that there were matters which required their recommendation. Mr. Ruiz presented Amendment No. 1 from Integra Realty Resources (IRR) for a Change in Scope of Work to the Professional Services Contract, which included updated market analyses and appraisal report for the required easement procurement and the deletion of Rezoning Analysis Work for a not to exceed additional amount of \$4,500. Discussion occurred concerning appraisal services and private and public properties within and adjacent to the Southern California Edison (SCE) easement. Mr. Ruiz mentioned that District staff has met with Tetra Tech (Consultant) to discuss and negotiate Additional Work Request related to redesign of the pipeline alignment to incorporate new field data from recent pothole data. Discussion occurred concerning the proposed hours per task on certain environmental optional items and additional coordination work with SCE that is unknown at this time. Discussion occurred concerning the project completion timeline and FEMA reimbursable items included in the proposed additional tasks. Mr. Ruiz presented the SCE Letter of Consent for Committee review, and mentioned that CalOES has requested a formal project status update. Mr. Ruiz added that District staff plans to work with Tetra Tech to prepare a formal response to CalOES on the current project status and request a project extension.

RECOMMENDED ACTION

The Committee received the status update and recommended that the Integra Realty Resources Contract Change Order for \$4,500 be forwarded to the Board for approval (Action Calendar).

The Committee recommended that District staff coordinate with Tetra Tech to provide additional information concerning the Professional Service Contract Amendment for Board review (Action Calendar).

ITEM 3: BAKER WATER TREATMENT FACILITY

Mr. Ruiz provided a status update on this project, and presented the Baker Water Treatment Plant Construction Report for October 2015 for Committee review. Mr. Ruiz mentioned that the Project Committee (PC) Meeting scheduled for October 8, 2015 was cancelled, and will be rescheduled to meet in November.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: DISCUSSION AND POSSIBLE ACTION CONCERNING THE DEVELOPMENT OF TCWD'S TEN YEAR CAPITAL IMPROVEMENT PROGRAM

Mr. Ruiz provided a status update on this matter to the Committee, and mentioned that District staff has updated the staff report to demonstrate the cost savings of approximately \$5.9 Million in the proposed Ten Year Essential Capital Improvement Program (CIP) in comparison to the Ten Year Original CIP. Mr. Ruiz reviewed the significant differences between the two CIP versions, in particular, the need to conduct future pipeline condition assessments of the main transmission lines along Live Oak Canyon Road, which is a heavily traversed roadway maintained by the County of Orange and difficult to obtain any type of encroachment permit.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 7, 2015**

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Recycled Water Conversion Project Opportunities

Mr. Ruiz provided a status update for this project, and mentioned that this project has been reviewed by the Executive Committee and the Water Conservation Measures Review Ad Hoc Committee. Discussion occurred concerning project challenges and expectations. Mr. Ruiz mentioned that the current conservation efforts demonstrate a plateau trend into the fall and winter months, and that the District may not meet the State Water Board mandated 28% Conservation Standard unless more conservation is achieved or there is significant rainfall. Discussion occurred concerning the impact of weather challenges on the District's potable water demand reduction. Mr. Ruiz commented that District staff recommends maintaining the two-day watering schedule and increasing enforcement measures to ensure compliance with the District Ordinance-based conservation measures and to conduct additional recycled water conversions. Mr. Ruiz mentioned that extension of the Plano Trabuco recycled water pipeline to TY Nursery is a cost effective means to significantly reduce potable water demand, while not further impacting residential customers. Mr. Ruiz mentioned that Ms. Lausten has completed the preliminary documentation requirements for the project, and that the Wastewater Department has completed pothole testing. Ms. Lausten mentioned that the proposed project costs are approximately \$25,000 to \$28,000, including traffic control, required permits, and other costs. Discussion occurred concerning the planned pipeline size and location of connection, as well as, possible alternative solutions. Mr. Ruiz mentioned that he will be meeting with the owner of the nursery to discuss the project and its implementation.

2. Urban Water Management Plan

Ms. Lausten provided a status update for this project, and mentioned that District staff has met with Municipal Water District of Orange County (MWDOC) and Arcadis (Consultant) staff to review preliminary data needs. Ms. Lausten added that a Draft Urban Water Management Plan should be ready for Committee review in December.

RECOMMENDED ACTION

The Committee received the status update(s), no action taken.

ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE PLANO TRABUCO DEVELOPMENT, WILLIAM LYON HOMES, INC., CITY OF RANCHO SANTA MARGARITA (36 UNIT TRIPLEX BUILDING DESIGN)

Mr. Ruiz provided a status update on this matter to the Committee, and mentioned that the Developer Agreement for Services has been executed, Will Serve Letter has been submitted, and the developer fees have been provided to the District. Discussion occurred concerning project construction status and the timeline for the development's connection to the District's sanitary sewer system; Mr. Ruiz commented that the connection to the sanitary sewer system is planned for March 2016. Discussion occurred concerning construction inspection services and Via Allegre Sewer Lift Station planned improvements to meet the development's sewage pumping requirements.

RECOMMENDED ACTION

The Committee received the status update(s), no action taken.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 7, 2015**

ITEM 7: SKYRIDGE DEVELOPMENT (84 DUs)

Mr. Ruiz provided a status update on this development, and reviewed the Major Project Tasks Remaining. Mr. Ruiz mentioned that District staff is coordinating with Santa Margarita Water District (SMWD) on the preparation of the Inter-Agency Agreement for the potable water inter-tie and connection to the recycled water system. Mr. Ruiz referenced the SMWD Notice of Intent to Adopt a Mitigated Negative Declaration for their Zone E Recycled Water System Expansion, and mentioned that SMWD has completed the CEQA Notice and that public comments were being received through October 3, 2015. Ms. Lausten mentioned that District staff is currently preparing a Request for Proposal for Construction Inspection Services, and reviewed the proposed timeline and project items for inspection.

RECOMMENDED ACTION

The Committee received the status update(s), no action taken.

ITEM 8: SADDLE CREST DEVELOPMENT

Mr. Ruiz mentioned that District staff has met with the Developer, and that there were no project updates at this time. Discussion occurred concerning the status of the Sub Area Master Plan for the development, and the possible costs associated with the installation of a potable water reservoir at the project site.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: ACTIVE DEVELOPMENTS

1. Summerfield Homes, County of Orange – Tract 15800 (5 DUs | WSL)

Ms. Lausten provided a status update on this development. Discussion occurred concerning preapproved sewer design and the challenges associated with private sewer pump stations, where three of the five homes will require their own sewer pump station. Mr. Ruiz mentioned that the Developer will be required to disclose the private sewage pump station, its operation and maintenance by the homeowners, and the potential for odors to potential home buyers.

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

Ms. Lausten commented that there was no update on this development.

3. Other Active Developments

Ms. Lausten commented on the proposed Portola Center development which includes a connection to the District's sanitary sewer system at the El Toro service road. Discussion occurred concerning the status of the Community Facilities District (CFD) No. 2; Mr. Ruiz commented that CFD No. 2 has been defeased, however, the developer is concerned that the CFD must be disclosed to future buyers because of its potential for incurring future debt. Discussion occurred concerning the manner in which to communicate the defeasement of CFDs in the District's service area; Mr. Ruiz mentioned that the District's On Tap Newsletter has been used to communicate the defeasement of CFDs in the past, and that the District's website can be used as well.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 7, 2015**

ITEM 10: WATER SYSTEM STATUS

Mr. Kessler presented the Water System Status Update through September, 2015, and reported on the following matters:

- Water Department staff replaced the Dimension Water Treatment Plant Filter No. 4 Effluent Pump.
- Water Department staff completed the maintenance of the fire and duty pumps at the Canyon Creek Pump Station.

Mr. Kessler provided an updated Monthly Water System Operations Summary report for September, 2015, for Committee review, and provided additional information for calendar year 2013 for comparison purposes. Discussion occurred concerning the current conservation efforts of District customers; Mr. Kessler mentioned that the District's customers have reduced their use by approximately 37% for the month of September 2015 in comparison with September 2013. Discussion occurred concerning updating the current conservation signage with cumulative reduction numbers by million gallons as opposed to single month percentage reductions.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: WASTEWATER SYSTEM STATUS

Mr. Hanberg presented the Wastewater System Status Update through September, 2015, and reported on the following matters:

- Wastewater Department staff started trenching for the conduit installation and power supply to the Reclaimed Water Reservoir Surface Aerators. The Surface Aerators will provide additional recycled water while preventing dissolved oxygen depletion in the reservoir.
- Wastewater Department staff replaced a flow equalization pump at the Robinson Ranch Wastewater Treatment Plant.
- Wastewater Department staff repaired a 1 ½ inch reclaimed water line at the Robinson Ranch Wastewater Treatment Plant.
- Wastewater Department staff performed an emergency repair of an 8-inch sewer force main break on Golf Club Drive on Saturday, September 19, 2015.

Mr. Hanberg provided an updated Monthly Recycled Water System Operations Summary for September, 2015, for Committee review, and mentioned that the freeboard level for Dove Lake increased approximately one foot due to the recent rain. Mr. Ruiz highlighted the emergency repair of the 8-inch sewer force main break on Golf Club Drive. Mr. Jones provided a brief description of the series of events concerning the force main break and the subsequent repair, and mentioned that due to the unique location of the pipeline break that all of the sewage flow was captured by the District's Urban Water Recovery System. Discussion occurred concerning District staff and pumper truck response time to the emergency break, as well as opportunities to coordinate with neighboring agencies to assist the District in responding to emergencies.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 7, 2015**

ITEM 12: OTHER MATTERS/REPORTS

Mr. Ruiz reported on the emergency repair of an eight-inch water main pipeline on the Dove Canyon Golf Course between Bell Canyon Road and Barneburg. Discussion occurred concerning the condition and location of the pipeline, as well as the impact to the golf course; Mr. Ruiz commented that the golf course was closed during the emergency repair which minimized the overall impact to the golf course, and that the ductile iron pipeline was constructed below a large storm drain which made the repair more difficult.

ADJOURNMENT

Mr. Mandich adjourned the October 7, 2015, Engineering/Operational Committee Meeting at 8:08 AM.