

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
DECEMBER 2, 2015**

DIRECTORS PRESENT

Michael Safranski, Alternate Committee Chair
Glenn Acosta, Alternate 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
Bob Beck, Maintenance Superintendent
Lisa Carmouche, Administrative Assistant

PUBLIC PRESENT

There were members of the public present.

CALL MEETING TO ORDER

Director Safranski called the December 2, 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 Safranski had no comments.
Director Acosta had no comments.

REPORT FROM THE GENERAL MANAGER

Mr. Ruiz reported the following matters:

- Mr. Ruiz presented a digital map of the District's service area prepared for the Rate Analysis Public Hearing presentation at the December 16, 2015 Regular Board Meeting. Discussion occurred concerning verbiage on the map and location of District facilities.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The November 4, 2015, Engineering/Operational Committee Meeting Recap was presented to the Committee. The alternative committee members were not present at the November 4, 2015 Engineering/Operational Committee Meeting, and had no comment.

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RECOMMENDED ACTION

Mr. Perea, District Secretary approved the meeting recap and recommended that the Board receive and file the November 4, 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 presented a letter from the California Office of Emergency Services (CalOES) to FEMA requesting a schedule time extension through 04/03/2017. Mr. Ruiz added that the extension request is based on project-related items that are outside of the District's control, including NEPA requirements and Southern California Edison delays. Mr. Ruiz commented that the appraisal process for the project-related easements will be conducted in mid-January through February. Mr. Ruiz added that he is planning on meeting with staff from Representative Mimi Walters and Assemblyman Bill Brough to review and provide an update on the project. Mr. Ruiz reviewed project tasks completed to date and tasks remaining. Director Safranski requested the inclusion of target dates for the project tasks remaining in the staff report. Discussion occurred concerning project timeline for completion.

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, and presented the Baker Water Treatment Plant Construction Report for November 2015 for Committee review. Mr. Ruiz mentioned that the Project Committee (PC) Meeting scheduled for December, 2015 was cancelled. Mr. Ruiz added that the project contractor was currently behind schedule, and reviewed the contract change orders to date which the majority of the change orders for construction were due to the replacement and recalibration on a large MWD meter. Discussion occurred concerning project timeline for completion.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Recycled Water Conversion Project Opportunities

Mr. Ruiz provided a status update for this project, and mentioned that District staff plans to extend the current Plano Trabuco recycled water pipeline to the TY Nursery property line to provide recycled water. Mr. Ruiz mentioned that Ms. Lausten is working with City of Rancho Santa Margarita staff for project-related permits and traffic control. Ms. Lausten provided a handout of the Pipeline Plan for Committee review, and highlighted the project traffic control plan and short-term and long-term goals of the project. Discussion occurred concerning the project's benefit towards meeting the District's Conservation Standard mandated by the State Water Board.

2. Urban Water Management Plan

Ms. Lausten provided a status update for this project, and mentioned that District staff is currently in the data collection stage of the project. Ms. Lausten mentioned that a Draft UWMP will be prepared for review in mid-January, 2016.

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3. Domestic Water Storage and Reservoir Site Feasibility Study

Ms. Lausten mentioned that Psomas (Consultant) has compiled all of the District's current water demands and is evaluating the best location for the planned 2 million gallon emergency storage reservoir. Discussion occurred concerning the shared costs with any developers for the project and design challenges. Mr. Ruiz commented that a draft study will be prepared in January, and presented to the Committee in February.

RECOMMENDED ACTION

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

ITEM 5: 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 District staff has met with the developer to review construction plans. Mr. Ruiz added that the project's California Environmental Quality Act (CEQA) requirements have been met, and Sub Area Master Plan for the development has been completed. Discussion occurred concerning the challenges for easement acquisition related to access to the District's sanitary sewer system and the Developer is interested in the possibility of eminent domain. Mr. Ruiz said that the District would be the lead agency for the eminent domain of the future easement and that the costs would be paid for by the Developer and should be low due to the small easement area. Mr. Rick Puffer (William Lyon Homes) addressed the Committee, and mentioned that William Lyon Homes is currently working with the property owners but is interested in the eminent domain process because it may lead to a quicker and less administrative means of obtaining the easements. Discussion occurred concerning costs associated with the eminent domain process and public outreach messaging.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 6: SKYRIDGE DEVELOPMENT (84 DUs)

Mr. Ruiz provided a status update on this development, and mentioned that a pre-construction meeting was held the prior day with the construction manager. Mr. Ruiz added that the start date for the implementation of utilities for the development is scheduled for mid December, Discussion occurred concerning drought-related requirements for the development; Mr. Ruiz said that the development is subject to the new Model Water Efficient Landscape Ordinance (MWELo) and that recycled water will be used for outdoor landscape irrigation. Mr. Ruiz reviewed the project tasks remaining with the Committee, and mentioned that District staff has received three proposals for Construction Inspection Services. Mr. Ruiz added that District staff has negotiated with the Consultants on the cost for services, and that he recommends that the Committee ratify the Agreement for Construction Inspection Services with DMC Engineering, Inc. for a not to exceed amount of \$30,000. Discussion occurred concerning the Agreement with Santa Margarita Water District (SMWD) for potable and recycled water for the development; Mr. Ruiz mentioned that he was currently working on project task. Director Acosta mentioned that he supports the project, and asked Mr. Ruiz to thank SMWD General Manager Dan Feron and SMWD staff for their partnership on this project.

RECOMMENDED ACTION

The Committee received the status update, and recommend that the Board ratify the Agreement for Construction Inspection Services with DMC Engineering, Inc. for a not to exceed amount of \$30,000 (Board Action Calendar).

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ITEM 7: SADDLE CREST DEVELOPMENT

Mr. Ruiz provided a status update on this development, and presented the draft Sub Area Master Plan (SAMP) exhibit for Committee review. Mr. Ruiz commented that the development has been downsized significantly composed to a prior SAMP and then correspondingly reduces the total water demand for the community. Discussion occurred concerning the installation of an onsite potable water reservoir; Mr. Ruiz commented that the SAMP discusses the need for an onsite reservoir with a reduced capacity based on revised development plans, but that District staff is evaluating upsizing of the reservoir under the ongoing reservoir and siting study. Mr. Ruiz highlighted the possible above ground steel or partially buried tank designs and the planned infrastructure upgrades to meet the development's water demands. Discussion occurred concerning project timeline for completion and possible challenges associated with the development.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 8: ACTIVE DEVELOPMENTS

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

Ms. Lausten provided a status update on this development, and mentioned that there are currently two homes built. Ms. Lausten added that the developer is waiting for the final connection for water services, and that three of the lots will need private force mains per the development plans.

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 that there were no other active developments for discussion.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 9: WATER SYSTEM STATUS

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

1. Water Department staff replaced a residential service lateral in the Dove Canyon Community (53 Golf Ridge) that was damaged by a paving contractor

2. Water Department staff continued the rehabilitation of the pressure reducing valves located at Rose Canyon Road and O'Neill Park. Discussion occurred concerning the District's valve exercising program; Mr. Kessler said that District staff currently exercise valves on an as needed basis due to scheduling challenges. Mr. Ruiz mentioned that District staff has considered the purchase of a vehicle equipped with a valve turning device to increase valve turning frequency.

Mr. Kessler provided an updated Monthly Water System Operations Summary report for November, 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 16% for the month of November 2015 in comparison with November 2013. Discussion occurred concerning the District's cumulative conservation efforts

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since June, and the impact of the two-day watering schedule. Mr. Ruiz discussed the challenges with meeting the State Water Board mandated emergency regulations and the methodology for comparison purposes.

Mr. Kessler mentioned that the State Water Boards Division of Drinking Water will be conducting its annual inspection of the Districts system on December 7, 2015

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 10: WASTEWATER SYSTEM STATUS

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

1. Wastewater Department staff completed the installation of the Robinson Ranch Wastewater Treatment Plant (RRWWTP) Recycled Water Reservoir Aerators. Mr. Hanberg mentioned that the aerators will allow Operations to utilize an additional 30 acre-feet of recycled water from the reclaimed reservoir.
2. Wastewater Department staff cleared the area adjacent to the access road to the RRWWTP in preparation for the winter season.

The area was significantly over grown and had filled with silt and sand, causing water to back – up and floods a portion of the access road.

Discussion occurred concerning El Nino preparations at the Bell Canyon Sewer Lift Station where flooding had previously occurred. Mr. Hanberg mentioned that the storm drains near the facility had been upgraded following the 2010 storms.

3. Wastewater Department staff installed a reclaimed water fire hydrant for construction water use and for street sweeping

Mr. Hanberg provided an updated Monthly Recycled Water System Operations Summary for November, 2015, for Committee review. Mr. Hanberg mentioned that unless there's significant rainfall that he does not anticipate pumping water from Dove Lake in the month of December, and that the water collected at the Shadow Rock Detention Basin Facility will be sent to Sakaida Nursery. Discussion occurred concerning local and non-local residents that fish on Dove Lake; Mr. Hanberg said that District staff has coordinated for the removal of at least ten individuals in the prior month for fishing on Dove Lake. Mr. Ruiz mentioned that District staff has considered the possibility of contracting with a security service to deter fishing on Dove Lake.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: OTHER MATTERS/REPORTS

Mr. Ruiz reported that certain District staff members have received training for the Manager Plus CMMS system. Mr. Ruiz added that Mr. Bob Beck, Maintenance Superintendent, would be retiring at the end of the month after twenty-five years of service. Director's Acosta and Safranski thanked Mr. Beck for his service to the District and wished him well in his retirement.

ADJOURNMENT

Director Safranski adjourned the December 2, 2015, Engineering/Operational Committee Meeting at 8:23 AM.