

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
JUNE 1, 2016**

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

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

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Director Mandich called the June 1, 2016, Engineering/Operational Committee Meeting to order at 7:01 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Dopudja shared his concerns for Director Haselton's health, and offered his best wishes for him and his family.

Director Mandich echoed Director Dopudja's comments regarding Director Haselton.

REPORT FROM THE GENERAL MANAGER

Mr. Ruiz reported that District staff is currently working with Municipal Water District of Orange County (MWDOC) staff to determine the District's three-year supply in accordance with the State Water Board new statewide self-certification water conservation rules.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The May 4, 2016, Engineering/Operational Committee Meeting Recap was presented to the Committee.

RECOMMENDED ACTION

Director Mandich and Mr. Perea approved the meeting recap and recommended that the Board receive and file the May 4, 2016, Engineering/Operational Committee Meeting Recap (Consent Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 1, 2016**

ITEM 2: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a status update on this project, and mentioned that District staff is currently working on procuring the necessary project-related easements. Mr. Ruiz said that District staff is currently preparing the Request for Proposal for Construction Inspection Services. Mr. Ruiz added that Ms. Lausten recently met with the City of Lake Forest to review the project-related permits for traffic control and the bridge crossing. Ms. Lausten mentioned that she has also met with the County of Orange Park and Trails to review the project-related permits and detour plans during project construction.

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 mentioned that the Project Committee is scheduled to meet on June 9, 2016 to review the submitted contract change orders. Mr. Ruiz said that he will have more information concerning this matter at the June 15, 2016 Regular Board Meeting.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) RELATING TO TCWD'S 2015 URBAN WATER MANAGEMENT PLAN

Ms. Lausten provided a status update on this project, and said that District staff have posted the Notice of the Public Hearing for the adoption of the 2015 Urban Water Management Plan (UWMP) at the June 15, 2016 Regular Board Meeting in the Saddleback Valley News and the District's website. Ms. Lausten added that the DRAFT UWMP is posted on the District's website for public review and that a hardcopy is also available for review at the District's Administration Facility. Discussion occurred concerning the preparation of the UWMP; Ms. Lausten commented that the assistance from MWDOC and Arcadis (Consultant) has been very helpful, and the project-related water loss audit has been completed.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: DISCUSSION AND POSSIBLE ACTION(S) RELATING TO SOUTHERN CALIFORNIA EDISON EASEMENT REQUEST AT HERITAGE SEWER LIFT STATION

Mr. Ruiz presented this matter for Committee review, and said that Southern California Edison (SCE) has requested an easement from the District for the replacement of an old, below grade, oil switch with a new, above grade, pad-mounted switch. Mr. Ruiz added that the proposed SCE facility is designed to improve reliability to the community, which includes service to District facilities. Mr. Ruiz reviewed the proposed SCE easement area and the Pad-Mounted Equipment design (exhibits) with the Committee, and recommended that the matter be presented to the Board of Directors for review and approval at the following Regular Board Meeting.

RECOMMENDED ACTION

The Committee recommended that the matter be forwarded to the Board of Directors for review and approval at the June Regular Board Meeting (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 1, 2016**

ITEM 6: PLANO SEWER LIFT STATION WET WELL AND ROBINSON RANCH WASTEWATER TREATMENT PLANT INFLUENT EQUALIZATION BASIN RECOATING PROJECT

Mr. Ruiz provided a status update on this project, and said that District staff has secured proposals from Sancon and Socal Pacific Construction Corporation. Mr. Ruiz reviewed the proposals with the Committee, and highlighted the different materials used for the application. Discussion occurred concerning the quality of the different materials and District staff experience with the vendors. Mr. Ruiz said that District staff recommends Sancon for the Plano Trabuco Sewer Lift Station Wet Well project in the amount of \$28,640, and Socal Pacific Construction Corporation for the Robinson Ranch Wastewater Treatment Plant Equalization Basin Recoating Project in the amount of \$66,816. Discussion occurred concerning project reference checks and obtaining feedback from other agencies that have had their facilities serviced by either vendor. Mr. Ruiz said that Sancon was the winning bidder for the Heritage Sewer Lift Station wet well recoating in 2005. Mr. Ruiz recommended Sancon for the Plano Trabuco Sewer Lift Station because the facility is similar to the Heritage Sewer Lift Station where the Sancon product has worked well, and it is the lower of the bids. Mr. Ruiz added that the Sancon product has not worked as well for the Robinson Ranch Wastewater Treatment Plant Influent Equalization Basin (NEQ), because the NEQ's environment is more corrosive than the wet wells. Mr. Ruiz recommended the Socal Pacific's Raven product for the NEQ based on the background reference checks completed by District staff concerning product application at other similar local wastewater facilities. Mr. Ruiz added that District staff has expressed confidence in the product and belief that it will last longer than the Sancon product, although it costs more.

RECOMMENDED ACTION

The Committee recommended that the matter be forwarded to the Board of Directors for review and approval at the Regular Board Meeting (Action Calendar).

ITEM 7: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING SECOND EXTENSION AGREEMENT BETWEEN TCWD AND THE OAKS AT TRABUCO, LLC

Mr. Ruiz presented this matter for Committee review, and highlighted the DRAFT Second Extension Agreement (exhibit) between the District and The Oaks at Trabuco, LLC. Mr. Ruiz discussed the current challenges with the facility due to the less than required residents for sewage generation as required for operation of the wastewater treatment plant, but added that the developer is preparing to build an additional two homes. Mr. Ruiz reviewed the current facility operating procedures and discussed opportunities for use of the secondary effluent product water. Mr. Ruiz recommended that the matter be presented to the Board of Directors for review and approval at the following Regular Board Meeting.

RECOMMENDED ACTION

The Committee recommended that the matter be forwarded to the Board of Directors for review and approval at the Regular Board Meeting (Action Calendar).

ITEM 8: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. TCWD Fiscal Year 2016/2017 Capital Improvement Program Review

Mr. Ruiz provided a status update on this matter, and provided an updated handout of the Fiscal Year 2016/2017 Capital Improvement Program (CIP) Projects with additional projects based on input from the May 23, 2016 Special Board Meeting Budget Workshop for Committee review. Mr. Ruiz highlighted the following projects:

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 1, 2016**

Plano Trabuco Sewer Lift Station Security Wall Improvements and Gate Replacement

Mr. Ruiz said that District staff has determined that improvements to the Plano Trabuco Sewer Lift Station perimeter wall are necessary to improve the security of the facility. Discussion occurred concerning wall improvement options and aesthetic design to mirror the Dahlia Court development.

Cooks Reservoir Site Security Fence and Entrance Road Improvements

Mr. Ruiz said that the current condition of the security fence at the Cooks Reservoir has failed at certain locations and is overall, significantly degraded and requires replacement. In addition, the entrance road to the reservoir has severely eroded and requires restoration. Discussion occurred concerning the budgeted costs for the project, and cost allocation strategies.

Fleet Vehicle Replacement

Mr. Ruiz commented that the current District Fleet Vehicle used at the Administrative Facility has been serviced multiple times this year for significant electrical-related problems and for mechanical problems in the past. District staff is currently securing costs for a replacement vehicle. Discussion occurred concerning opportunities for vehicle leasing as opposed to purchase.

RECOMMENDED ACTION

The Committee received the status update, and recommended that District staff present the Fiscal Year 2016/2017 Capital Improvement Program (CIP) to the Finance/Audit Committee for review.

ITEM 9: 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 said that District staff has not received a response to the offer letter for the easement request. Mr. Ruiz provided a brief review of the easement condemnation process. Mr. Ruiz recommended the District's Special Legal Counsel's advice to proceed with notifying the property owners of the District's intent to hold a public hearing for the adoption of a Resolution of Necessity.

RECOMMENDED ACTION

The Committee received the status update, and recommended that the General Manager proceed with agendizing the adoption of the Resolution of Necessity and Public Hearing at the June Regular Board Meeting (Action Calendar).

ITEM 10: SKYRIDGE DEVELOPMENT (84 DUs)

Mr. Ruiz provided a status update on this development, and reported that Santa Margarita Water District (SMWD) has agendized the Agreement for review by SMWD Board of Directors at their June 1, 2016 Regular Board Meeting. Mr. Ruiz added that SMWD has not provided any changes to the DRAFT Agreement language.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: SADDLE CREST DEVELOPMENT (65 DUs)

Mr. Ruiz provided a status update on this development, and said that District staff is reviewing an existing sewer agreement with the Zadeh development where connection to the existing sewer may result in reimbursement of certain costs. Mr. Ruiz added that District staff is currently working with the Developer on a design technical memorandum for the construction of the onsite reservoir.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 1, 2016**

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 12: 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 the developer is currently constructing three homes. Ms. Lausten added that District staff has provided a punch list of items which require completion.

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

This development was discussed under Agenda Item No. 7, and Ms. Lausten had no additional information on this development.

3. Other Active Developments

None

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 13: WATER SYSTEM STATUS

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

1. Water Department staff repaired a damaged Air Vac on Rose Canyon Road.
2. Water Department staff repaired a leaking service on Hunky Dory Lane.
3. Water Department staff converted two dry barrel type hydrants to wet barrel type hydrants.
4. Water Department staff installed a new large cooling/exhaust fan at the Dimension Water Treatment Plant.

Mr. Kessler provided an updated Monthly Water System Operations Summary report for May, 2016, 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 commented that the District's customers demand reduced by 30% in month of April, 2016, in comparison to April, 2013.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 14: WASTEWATER SYSTEM STATUS

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

1. Wastewater Department staff repaired a 100 hp motor and pump at the Dove Recycled Water Pump Station.
2. Wastewater Department staff implemented District Rules and Regulations regarding the use of Non-Domestic Water for the T-Y Nursery Recycled Water Conversion Project, which included the posting of recycled water signage, painting pipes purple, covering drinking water fountains and providing a workshop to their employees about the proper use of recycled water.
3. Wastewater Department staff applied copper sulfate onto Dove Lake for algae control.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 1, 2016**

Mr. Hanberg provided an updated Monthly Recycled Water System Operations Summary for May, 2016, for Committee review, and reported that the Dove Lake freeboard is currently at 4.2 feet and that the water from Dove Lake has been pumped to supplement water usage and meet recycled water demands. Mr. Ruiz commended Mr. Hanberg and the Wastewater Operations Department on the Plano Trabuco Recycled Water Pipeline Extension Project and educating T-Y Nursery staff on the safe use and application of recycled water.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 15: OTHER MATTERS/REPORTS

Mr. Ruiz had no other matters to report.

RECOMMENDED ACTION

The Committee received the information, no action taken.

ADJOURNMENT

Director Mandich adjourned the June 1, 2016, Engineering/Operational Committee Meeting at 8:08 AM.