

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
JUNE 3, 2015**

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Lorrie Lausten, Engineer
Kris Hanberg, Wastewater Department Superintendent
Gary Kessler, Water Department Chief Plant Operator
Bob Beck, Maintenance Department Superintendent
Lisa Carmouche, Administrative Assistant

PUBLIC PRESENT

There were no members of the public present.

CALL MEETING TO ORDER

Mr. Mandich called the June 3, 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

Mr. Dopudja commended District staff for the Water Awareness Day Event on Saturday, May 30, 2015.

Mr. Mandich commended District staff for the Water Awareness Day Event on Saturday, May 30, 2015, as well.

REPORT FROM THE GENERAL MANAGER

Mr. Ruiz reported the following matters:

- Mr. Ruiz mentioned that on Monday, June 1, 2015, District staff sent out an automated phone message to the District's customers concerning the State Water Board Mandated Emergency Regulations and the District's Conservation Ordinance Level 2 Activation with the 2 Day per Week Watering Schedule.

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- Mr. Ruiz mentioned that he delivered a presentation at the June 2, 2015, Community Associations of Rancho (CAR) Meeting which provided an update on the State Water Board's Mandated Emergency Regulations and the District's Conservation Ordinance Level 2 Activation with the 2 Day per Week Watering Schedule. Mr. Ruiz added that his presentation highlighted the Commercial Irrigation User Irrigation Plan process.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Ruiz presented the May 6, 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 May 6, 2015, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: TRABUCO DAM AND RESERVOIR, NO. 2030-2, ORANGE COUNTY

Mr. Ruiz presented this project for Committee review, and mentioned that the Trabuco Dam and Reservoir is inspected annually by the State Division of Dam Safety. Ms. Lausten mentioned that the J.RDMMAC (Contractor) is scheduled to begin the project work on Monday, June 15, 2015, by removing the cracked concrete panels and repair other minor cracks with concrete fills.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 3: SHADOW ROCK DETENTION BASIN FACILITY PROJECT

Mr. Ruiz provided a status update on this project, and mentioned that District staff is coordinating with Southern California Edison (SCE) to secure the electrical connection to the facility with Director Safranski's assistance. Ms. Lausten mentioned that SCE is tentatively scheduled to provide the electrical connection on June 11th or 12th, barring any unforeseen issues. Mr. Ruiz added that District staff is currently coordinating with Thomas Communications Group to prepare invitations to the July 10, 2015, Dedication Ceremony. Mr. Ruiz mentioned that the facility will be operational once the electrical connection is completed and District staff complete the initial start up tests. Discussion occurred concerning the Dedication Ceremony event.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

Mr. Ruiz provided a status update on this project, and reviewed the DRAFT SCE Easement Procurement Schedule of Events with the Committee. Mr. Ruiz mentioned that District staff has notified SCE that the potholing portion of the project has been completed, but has not received any formal response concerning the matter. Mr. Ruiz mentioned that District staff is scheduled to meet with Irvine Ranch Water District (IRWD) staff today concerning the project, and then with City of Lake Forest staff to

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discuss project permitting next week. Discussion occurred concerning project design challenges and timeline for completion.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 5: BAKER WATER TREATMENT FACILITY

Mr. Ruiz provided a status update on this project, and mentioned that there may be some possible project change orders on the horizon for this project. Mr. Ruiz added that District staff has met with IRWD staff to review the details of the electrical controls for the District's Pump Station. Discussion occurred concerning Irvine Lake and the construction of the District's Pump Station. Mr. Ruiz mentioned that IRWD has a planned tour of the facility for elected officials scheduled for June 23, 2015.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 6: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Aerobic Digester Sludge/Decant Pump Replacement

Mr. Ruiz provided a status update on this project, and mentioned that District staff has decided to postpone this project until Fiscal Year 2015/2016. Discussion occurred concerning the project's scope of work and budgeted costs. Mr. Ruiz mentioned that District staff plan to revisit this project after the completion of the planned comprehensive rate study.

2. Other Projects

Mr. Ruiz commented there were no other engineering and operations projects.

RECOMMENDED ACTION

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

ITEM 7: SKYRIDGE DEVELOPMENT (84 DUs)

Mr. Ruiz commented that there were no updates on this development, and mentioned that the developer has submitted all of the required items to date. Mr. Ruiz added that the developer is waiting on the relocation of SCE infrastructure. Discussion occurred concerning recycled water use at the development. Mr. Ruiz mentioned that District staff is currently coordinating with Santa Margarita Water District (SMWD) on the development of a Memorandum of Understanding or a letter of commitment and DRAFT Developer Agreement. Discussion occurred concerning the current status of the development and site challenges.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

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ITEM 8: ACTIVE DEVELOPMENTS

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

Mr. Ruiz commented that there was no update on this development.

2. Plano Trabuco Development, William Lyon Homes, Inc., City of Rancho Santa Margarita (36 unit triplex building design)

Mr. Ruiz mentioned that District staff have recently reviewed and provided comments to the City of Rancho Santa Margarita on the Mitigated Negative Declaration for this development. Mr. Ruiz added that District Wastewater Operations and Maintenance Department staff has evaluated facility upgrades to the District's Via Allegre Sewer Lift Station due to the planned increased flows to the facility from the development. Mr. Ruiz mentioned that District staff may return with the Sub Area Master Plan and Draft Conditional Will Serve Letter at the following Engineering/Operational Committee Meeting. Discussion occurred concerning the impact of the State Water Board's Emergency Regulations on the development.

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

Mr. Ruiz commented that there was no update on this development.

4. Other Active Developments

Mr. Ruiz mentioned that District staff may present a revised Sub Area Master Plan at the following Engineering/Operational Committee Meeting for the Saddle Crest development. Discussion occurred concerning system reliability and Water Reliability Emergency Storage Funds for the 2 million gallon reservoir.

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 May, 2015, and reported on the following matters:

- Water Department staff converted an older style dry-barrel fire hydrant to new wet-barrel fire hydrant on Live Oak Canyon Road.
- Water Department staff repaired, repainted, and converted the Dimension Water Treatment Plant former records storage container to a Traffic Safety & Emergency Repair storage container

Mr. Kessler provided an updated Monthly Water System Operations Summary report for May, 2015, for Committee review, and provided additional information for calendar years 2014 and 2013. Discussion occurred concerning the impact of the recent rain event; Mr. Kessler mentioned that the District's overall water demand during the rain event reduced from 4 cubic feet per second to 1 cubic foot per second. Discussion occurred concerning the Monthly Water System Operation Summary and reporting information by zone.

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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 May, 2015, and reported on the following matters:

- Wastewater Department staff removed a cement slab from Shadow Rock Detention Basin Facility site.
- Wastewater Department staff replaced the Dove Creek Urban Runoff Pump Station pump.
- Wastewater Department staff dredged and cleaned the Tick Creek Urban Runoff Pump Station basin.

Mr. Hanberg provided an updated Monthly Recycled Water System Operations Summary for May, 2015, for Committee review, and mentioned that the freeboard levels for the both the Recycled Water Reservoir and Dove Lake had increased since the prior month.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: DISCUSSION AND POSSIBLE ACTION CONCERNING TCWD'S FISCAL YEAR 2014/2015 & 2015/2016 GENERAL AND CAPITAL IMPROVEMENT PROGRAM (CIP) BUDGETS

Mr. Ruiz provided a status update on this matter, and reviewed the Fiscal Year 2014/2015 Capital Improvement Program (CIP) Budget completed and pending projects with the Committee. Mr. Ruiz mentioned that District staff has reviewed the remaining Fiscal Year 2014/2015 CIP projects to be completed, and that certain projects will be delayed for completion later in Fiscal Year 2015/2016 in order to cut costs from anticipated revenue reductions due to the drought and to focus on the planned comprehensive rate study. Mr. Ruiz reviewed the status of scheduled Major Repairs/Expenses which included items that require completion but will be postponed until the following year, such as the Administration Building Coating and Plano/Bell Canyon/Via Allegre/NEQ Rehabilitation/Recoating projects. Mr. Ruiz presented and reviewed the proposed Fiscal Year 2015/2016 CIP Budget with the Committee and highlighted the following items:

- Dimension Water Treatment Plant Perimeter Security Fencing: Mr. Ruiz mentioned that Water Operations Staff have requested to repair and increase the fence height at the facility for improved security.
- District Capacity Charges in SMWD Chiquita Wastewater System: Mr. Ruiz mentioned that these costs are contractual.
- Maintenance Department Budget: Mr. Ruiz mentioned that the total budget has been reduced by approximately \$20,000 due to revised fleet vehicle quotes.
- Engineering & Financial Studies: Mr. Ruiz mentioned that District staff is aggressively working on the comprehensive rate study, and sent a Request for Proposals for Service to five consultants. Mr. Ruiz mentioned that District staff has used MWDOC's Urban Water Management Plan and Water

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Audit proposed costs for budgeting purposes. Discussion occurred concerning the postponement of planned studies.

- Mr. Ruiz mentioned that District staff would like to add approximately \$40,000 to \$45,000 for upgrades/rehabilitation to the District's Pressure Reducing Stations in the District's service area. Mr. Ruiz added that the work would primarily consist of the replacement of internal components only, with the reuse of the external device bodies.

RECOMMENDED ACTION

The Committee received the status update, and recommended that the Fiscal Year 2015/2016 Capital Improvement Program (CIP) Budget be forwarded to the Board for approval with proposed revisions and modifications as recommended by the Committee (Action Calendar).

ITEM 12: OTHER MATTERS/REPORTS

Mr. Ruiz commented there were no other matters or reports.

ADJOURNMENT

Mr. Mandich adjourned the June 3, 2015, Engineering/Operational Committee Meeting at 8:02 AM.