

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
DECEMBER 10, 2013**

DIRECTORS PRESENT

Ed Mandich, Committee Member
Glenn Acosta, Alternate Committee Member

DIRECTORS ABSENT

Mike Safranski, Committee Chair

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Engineer
Kris Hanberg, Wastewater Department Superintendent
Neil McKenna, Water Department Superintendent
Bob Beck, Maintenance Department Superintendent

PUBLIC PRESENT

No members of the public were present.

CALL MEETING TO ORDER

Committee Member Mandich called the December 10, 2013, 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

Committee Member Mandich had no comments.

Alternate Committee Member Acosta had no comments.

REPORT FROM THE GENERAL MANAGER

The General Manager, Mr. Hector Ruiz commented on the following matters:

1. Mr. Ruiz reported that the Allen-McColloch Pipeline is scheduled for shutdown for eleven days in the end of January to February, 2014, for maintenance and repairs, and that the District does not

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anticipate any impact to its water supplies. Mr. Ruiz added that any updates concerning this matter will be reported to the Committee next month, or at the upcoming Regular Board Meeting.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The General Manager, Mr. Hector Ruiz presented the October 8, 2013, Engineering/Operational Committee Meeting Recap for Committee review.

RECOMMENDED ACTION

The Engineering/Operational Committee recommended that the Board receive and file the October 8, 2013, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: SHADOW ROCK DETENTION BASIN FACILITY PROJECT

The General Manager, Mr. Hector Ruiz provided a status update on the project and commented that the staff report had been revised to reflect the project's Quarterly Project Budget. Mr. Ruiz added that the major project tasks remain, but that there were no updated milestone dates as staff is awaiting permits from the appropriate permitting agencies, which includes the State Water Resources Control Board, the Army Corps of Engineers, and the City of Rancho Santa Margarita (RSM). Mr. Ruiz commented that RSM staff have requested additional project information and have notified staff of their intention to partner with the District on this project. Mr. Ruiz added that the District has paid the required permit deposit to Southern California Edison, and anticipates receiving the completed permit by the end of the month. Discussion occurred concerning electrical power access at the project site, and coordination with the project site property owner. Mr. Ruiz added that URS (Consultant) has completed the 90% project design work. Ms. Lorrie Lausten, Engineer, provided an update on the project's Quarterly Project Budget which included the status of Proposition 84 reimbursements. Committee Member Mandich asked Mr. Ruiz when staff intends to bid the project; Mr. Ruiz replied that when all of the permits have been received. Mr. Ruiz added that staff is reviewing cost saving alternative measures regarding a possible re-route of the discharge pipeline, which includes the option of a connection to the storm drain system, however this will require approval from RSM. Discussion occurred concerning the project timeline for completion.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 3: ALTERNATE RAW WATER TRANSMISSION LINE - PW79

The General Manager, Mr. Hector Ruiz provided a status update on the project and commented that there was no update on the project at this time. Mr. Ruiz added that the staff report included a revised project schedule which includes easement acquisition. Mr. Ruiz mentioned that staff has discussed the project with the County of Orange (County), and that their primary concern is the minimization of any impact to the trail which is used by local residents. The County requested a meeting, however no meeting date could be provided at this time due to schedule conflicts in December. Mr. Ruiz

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mentioned that staff is also working to schedule a meeting with Southern California Edison to review the easement acquisition requirements for the project, and that staff has already met with Irvine Ranch Water District staff concerning easement acquisition. Mr. Ruiz commented that the Federal Emergency Management Agency (FEMA) has requested assistance District staff to coordinate with the Army Corps of Engineers, but unfortunately, staff has not been successful due the impact of the partial Federal Government shutdown and other emergency disasters throughout in other States. Discussion occurred concerning which Army Corps of Engineers Regional Office that staff is attempted to coordinate on this project; Mr. Ruiz commented that staff is required to work with the San Diego Regional Office, and that the Chief Engineer has assigned a staff member to the project, but that no meeting could be scheduled to date.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 4: BAKER WATER TREATMENT FACILITY

The General Manager, Mr. Hector Ruiz provided a status update on the project and commented that the staff report has been revised to reflect the Board's approval of continued participation in the project. Mr. Ruiz added that Irvine Ranch Water District (IRWD) is scheduled to review, approve, and award the project at their December 16, 2013, Regular Board Meeting. Discussion occurred concerning the project timeline and when the project is expected to begin; Mr. Ruiz commented that IRWD is expected to issue a Notice to Proceed sometime in February, 2014. Discussion occurred concerning a recent article in the Orange County Register Rancho Canyon News which discussed the project.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Golf Club Sewer Lift Station Upgrades and Rehabilitation

Ms. Lorrie Lausten provided a status update on the project and commented that staff has executed the Agreement for Contract Services with Hunter Electric Service (Contractor). Ms. Lausten added that staff has scheduled a pre-construction meeting with the Contractor, as well as ordered the project supplies and pipe materials. Discussion occurred concerning lead times on remaining project supplies.

2. Major Electrical Switch Gear Infra-Red Analysis

Mr. Bob Beck, Maintenance Superintendent, provided a status update on the project and commented that staff has corrected the issues and completed the repairs cited in the analysis. Mr. Beck mentioned that he is currently procuring bid proposals for the maintenance of the automatic transfer switches, as this work is more specialized, requires additional instrumentation, and coordination with Southern California Edison and wastewater system shutdowns. Discussion occurred concerning potential additional repair service for electrical equipment.

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3. Computerized Maintenance Management System (CMMS)

Ms. Lorrie Lausten, Engineer, commented that staff has shortlisted two of the five product vendors for this project. Ms. Lausten added that it is staff's intent to review the vendor's products internally, and bring a recommendation to the Committee in January, along with a full staff report on the project.

4. Other Projects

The General Manager, Mr. Ruiz commented on the following other engineering and operations projects:

- Recoating of the Plano Sewer Lift Station and Bell Canyon Sewer Lift Station wet wells;
- Service and possible replacement of surge control bladders at a Booster Pump Station and two Sewer Lift Station Facilities;
- Replacement of the Chlorine Solution Storage Tank at the Robinson Ranch Wastewater Treatment Plant

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 6: ACTIVE DEVELOPMENTS

1. Saddle Crest Homes (65 DUs)

Mr. Ruiz commented that there were no updates concerning the development.

2. Skyridge Development (84 DUs)

Mr. Ruiz commented that staff met with the developer on the prior Monday, and that the development was scheduled to close escrow on the land purchased by Friday, December 13, 2013. Mr. Ruiz mentioned that staff is coordinating with the City of Mission Viejo, and that the City is prepared to work with the District on this project. Mr. Ruiz added that staff will provide the developer with a deposit request letter in order to cover legal, engineering, and administrative costs. Discussion occurred concerning the type of required legal costs for the development; Mr. Ruiz commented that a substantial portion of the deposit will be applied to the coordination for domestic water supply, determining capacity costs for connection to the El Toro Road Trunk Sewer, as well as access to Santa Margarita Water District's recycled water as required by the City. Mr. Ruiz added that staff will have additional information at the next Committee Meeting.

3. Summerfield Homes (5 DUs)

Mr. Ruiz commented that staff has provided the developer with a request for additional deposit monies for design modifications and inspection costs related to the relocation of sewer laterals and water meters.

4. Other Active Developments

Mr. Ruiz commented that there were no other active developments.

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RECOMMENDED ACTION

Received status update, no action taken.

ITEM 7: WATER SYSTEM STATUS

The Water Department Superintendent Mr. Neil McKenna presented the Water System Status Update through November, 2013. Mr. McKenna reported on the following matters:

1. Water Operations Department staff trenched and installed an electrical conduit for the Dove Canyon Reservoir.

Mr. McKenna discussed the recent emergency repair made to the domestic water pipeline saddle in the Falcon Estates. Mr. McKenna presented the failed saddle from the repair job, as well as different samples of pipeline saddles for Committee review. Mr. McKenna added that the pipeline saddle failed due to the dissimilar metal compositions of the saddle and the service line. Mr. McKenna added and that this type of installation is representative of the developer installed connections in the ground, the District can expect future emergency repairs in the development. Discussion occurred concerning the District's role in notifying the residents and the developer.

Mr. Ruiz commented that the Water Operations Department is currently collecting domestic water samples as required by the Department of Public Health's Stage 2 Disinfection By-Products sampling requirements. Mr. Ruiz added that staff has coordinated with the District's contract laboratory due to recent regulatory changes.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 8: WASTEWATER SYSTEM STATUS

The Wastewater Department Superintendent, Mr. Kris Hanberg, presented the Wastewater System Status Update through November, 2013. Mr. Hanberg reported on the following matters:

1. Wastewater Operations Department staff completed preventative maintenance on the Sludge Dewatering Press (Press) at the Robinson Ranch Wastewater Treatment Plant. Mr. Hanberg added that the Press was originally installed in 1992.
2. Wastewater Operations Department staff completed the removal of debris and overgrown plants along the sewer easements on the access road adjacent to the El Toro Road Bike Trail.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary Report with the Committee.

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RECOMMENDED ACTION

Received status update, no action taken.

ITEM 9: OTHER MATTERS/REPORTS

The General Manager, Mr. Hector Ruiz commented on the following other matters:

1. Mr. Ruiz commented that staff has received from the City of Rancho Santa Margarita a Notice of Intent to Adopt a Negative Declaration for the Upper Oso Habitat Restoration Project. Mr. Ruiz commented that staff has provided comments to the City by their deadline of December 3, 2013, and that the matter is scheduled for discussion at the December 11, 2013, City Council Meeting. Discussion occurred concerning staff's submitted comments and the location of the project within the District's service area.

ADJOURNMENT

Committee Member Mandich adjourned the December 10, 2013, Engineering/Operational Committee Meeting at 7:38 AM.