

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
OCTOBER 8, 2013**

DIRECTORS PRESENT

Mike Safranski, Committee Chair
Ed Mandich, Committee Member

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 Chair Safranski called the October 8, 2013, 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

Committee Member Mandich commented that the South Orange County Wastewater Authority (SOCWA) had selected Mr. Dave Seymour as their new Interim General Manager. Discussion occurred concerning SOCWA's organizational structure and possibility of reorganization.

Committee Chair Safranski commented on the South County Agencies Meeting. Chair Safranski added that Municipal Water District of Orange County (MWDOC) and Orange County Water District (OCWD) representatives were in attendance at the meeting and commented on the matter of the consolidation of the two agencies. Discussion occurred concerning the possible consolidation of MWDOC and OCWD. Chair Safranski mentioned that the Poseidon Desalination Plant project costs and management was a matter of discussion at the South County Agencies Meeting, as well.

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REPORT FROM THE GENERAL MANAGER

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

1. Mr. Ruiz reported that a sewer force main pipeline break occurred at the Heritage Sewer Lift Station on October 7, 2013. Mr. Ruiz added that due to the District's Wastewater Operations' effective onsite containment, no sewage was spilled, and the Wastewater Operators coordinated the pipeline repair with assistance from Orange County Pumping Company.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

The General Manager, Mr. Hector Ruiz presented the September 10, 2013, Engineering/Operational Committee Meeting Recap. Committee Member Mandich recused his recommendation concerning the Recap as he was not in attendance at the Committee Meeting.

RECOMMENDED ACTION

The Engineering/Operational Committee Chair Safranski recommended that the Board receive and file the September 10, 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 District received a letter from the Department of Fish and Wildlife which stated that the Project will not substantially adversely affect any existing fish or wildlife resource, and that the District can proceed with the Project. Mr. Ruiz added that he is scheduled to deliver a project presentation to the Trabuco Highlands Community Association on Thursday, October 10, 2013. Mr. Ruiz mentioned that staff met with representatives from the Orange County Vector Control District (OCVCD) concerning the project, and added that OCVCD cited the location as "having been one of the worst ten sites for vectors in the County of Orange", but that the area has greatly improved. Discussion occurred concerning easement procurement from Southern California Edison.

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 Tetra Tech (Consultant) has been working on the 50% Design for the project, and that Cornerstone (Sub-Consultant) has been coordinating easement procurement for the project. Chair Safranski asked when the easement procurement will be completed; Mr. Ruiz commented that the work may be completed as early as January or as late as February, 2014. Mr. Ruiz added that if the impending threat of a partial shutdown of the Federal Government is realized, that there may be an impact on Project activity at the Federal Emergency Management Agency (FEMA). Discussion occurred concerning communication with FEMA concerning the Project.

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RECOMMENDED ACTION

Received status update, no action taken.

ITEM 4: BAKER REGIONAL WATER TREATMENT FACILITY

The General Manager, Mr. Hector Ruiz provided a status update on the project and reviewed the project bid summary provided by Irvine Ranch Water District (IRWD) which demonstrated a total project cost increase of 15%. Discussion occurred concerning project costs, completion timeline, and overall timing. Mr. Ruiz presented the IRWD Project Presentation slide titled, "Cost of Water Projections" for Committee review. Discussion occurred concerning the final cost of water to the District; Mr. Ruiz commented that based on IRWD's analysis, the final cost of water for the District is \$998 per acre foot. Discussion occurred concerning the District's funding for participation in the project; Mr. Ruiz commented that staff has reviewed different financial options, and will discuss funding at the October Regular Board Meeting. Mr. Ruiz reviewed the project schedule with the Committee, and commented that staff may recommend a Special Board Workshop prior to the November 20, 2013, Regular Board Meeting. Mr. Ruiz added that the District's participation in the project by Board decision is scheduled for the November Regular Board Meeting, as IRWD has requested participating agency responses prior to their December, 2013, Regular Board Meeting. Discussion occurred concerning Special Legal Counsel's review of the Agreements; Mr. Ruiz mentioned that staff has requested proposals from three legal firms recommended by General Legal Counsel, Mr. Rob Anslow. Discussion occurred concerning the District's project participation and capacity right. Mr. Ruiz added that IRWD has requested that the current Agreements be executed by the agencies only, and that other agencies may become involved once this process is complete.

RECOMMENDED ACTION

Received status update, and recommend that staff present bids summary at the October 16, 2013, Regular Board Meeting for Board review.

ITEM 5: GOLF CLUB SEWER LIFT STATION UPGRADES AND REHABILITATION

The General Manager, Mr. Hector Ruiz provided a status update on the project, and commented that the project has been bid as an electrical project, as seventy-five percent of it is electrical-related. Mr. Ruiz added that there were no bids received from pre-selected contractors. Mr. Ruiz added that staff intends to open bids to a wider public forum with the goal to secure a General Contractor for the project. Ms. Lorrie Lausten, Engineer, commented on her past experience on electrical projects similar to this one, and the proposed bidding process for this project. Discussion occurred concerning options for re-bidding the project. Mr. Ruiz commented that staff will re-bid the project to a larger public forum, and then report the results at the next Committee Meeting.

RECOMMENDED ACTION

Received status update, no action taken.

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ITEM 6: ON-GOING ENGINEERING PROJECTS

1. Computerized Maintenance Management System (CMMS)

Ms. Lorrie Lausten, Engineer, commented that staff has met with four vendors for a demonstration and review of their respective CMMS solution, and that there is one more vendor to review. Ms. Lausten added that there are many different types of CMMS solutions that meet a broad range of needs and that staff will be evaluating the best and most cost effective solution. Chair Safranski asked if the CMMS solution will be used for Asset Tracking; Ms. Lausten responded that asset tracking is also being considered, and she has learned that there are a variety of proprietary modules which can be added to different CMMS solutions and can include asset tracking. Discussion occurred concerning project budget; Mr. Hector Ruiz, the General Manager, commented that a preliminary budget of \$20,000 to \$25,000 is realistic for the implementation of this solution. Discussion occurred concerning proprietary software-related issues. Mr. Ruiz commented that staff will continue to coordinate with local agencies to review available and applicable CMMS solutions for comparison with a proposed solution for the District.

2. Other Projects

The General Manager, Mr. Ruiz commented that there were no other on-going engineering projects for discussion.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 7: ACTIVE DEVELOPMENTS

1. Saddle Crest Homes (65 DUs)

Mr. Ruiz commented that the developer is involved in on-going litigation and has appealed the recent court judgment concerning the development.

2. Skyridge Development (84 DUs)

Mr. Ruiz commented that staff met with the developer and Psomas (Consultant) concerning the delivery of recycled water from Oso Reservoir to the development through an agreement with Santa Margarita Water District (SMWD). Mr. Ruiz mentioned that the agreement with SMWD will be under development, and the Draft Agreement will be reviewed by Legal Counsel when completed at a future date. Discussion occurred concerning the multi-agency coordination on this development and the impact of the City of Mission Viejo's recycled water mandate on the planned infrastructure. Mr. Ruiz mentioned that SMWD would assist by providing recycled water to the development delivered from Oso Reservoir. Mr. Ruiz presented an aerial map of the development for Committee review, and discussed the proposed infrastructure.

3. Summerfield Homes (5 DUs)

Mr. Ruiz presented an aerial map of the development and commented on the history of the project. Discussion occurred concerning the need for water meters and sewer infrastructure for the development. Mr. Ruiz mentioned that this development currently has water meters in the ground

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used for landscape maintenance only, and that the all development fees have been paid to date. Mr. Ruiz added that staff has been notified by the developer's representative of their intent to begin home construction, and plans to coordinate with the District for water and sewer service.

4. Other Active Developments

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

RECOMMENDED ACTION

Received status update. No actions taken.

ITEM 8: WATER SYSTEM STATUS

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

1. Water Operations Department staff elevated two fire hydrant valve cans, and installed a new wet-barrel fire hydrant and an air-vacuum valve on Hickey Canyon Road.
2. Water Operations Department staff completed the Cox Communications Cable upgrade at the Dimension Water Treatment Plant, and presented photos of the job site work and post-project completion for Committee review.

Mr. McKenna commented that system demand is five percent higher than Calendar Year 2012 thus far. Discussion occurred concerning the impact of the dry year and statewide drought-like conditions on domestic water supplies.

RECOMMENDED ACTION

Received status update. No actions taken.

ITEM 9: WASTEWATER SYSTEM STATUS

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

1. Wastewater Operations Department staff replaced a six-inch gate valve on the domestic water line that supplies supplemental potable water to the Recycled Water Reservoir at the Robinson Ranch Wastewater Treatment Plant.
2. Wastewater Operations Department staff completed the Source Control Inspections of the District's commercial customers.
3. Wastewater Operations Department staff has cleaned all of the sewer lift station wet wells in the District's service area.

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Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Quarterly Report for July through September, 2013, and the Monthly Recycled Water System Operations Summary Report with the Committee. Discussion occurred concerning the Dove Canyon Golf Course (DCGS) recycled water demands; Mr. Ruiz responded that the DCGS recycled water demand for September, 2013, was 67 acre-feet. Discussion occurred concerning the WWTP Recycled Reservoir and Dove Lake freeboard levels and recycled water demand. Mr. Ruiz mentioned that staff has replaced the pump at the Dove Creek Pump Station due to premature failure related to the corrosive nature of the runoff water collected and pumped to Dove Lake.

RECOMMENDED ACTION

Received status update. No actions taken.

ITEM 10: OTHER MATTERS/REPORTS

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

1. Mr. Ruiz commented that staff has met with the District's Southern California Edison (SCE) representative for a full analysis of the electrical rates for Calendar Year 2014. Mr. Ruiz added that SCE anticipates electrical rate increases ranging from six to twenty-four percent for the District's facilities, which translates to an approximate ten percent or an approximate annual increase of \$100,000 increase in electrical costs for the District. Mr. Ruiz added that the impact of these higher energy costs will be reviewed at the mid-year budget review with the Board at the beginning of next calendar year.

ADJOURNMENT

Committee Chair Safranski adjourned the October 8, 2013, Engineering/Operational Committee Meeting at 8:02 AM.