

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
JULY 9, 2013**

DIRECTORS PRESENT

Mike Safranski, Committee Chair
Ed Mandich, Committee Member

STAFF PRESENT

Hector Ruiz, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Engineer
Neil McKenna, Water Department Superintendent
Travis Jones, Wastewater Department Chief Plant Operator
Bob Beck, Maintenance Department Superintendent

PUBLIC PRESENT

No members of the public were present.

CALL MEETING TO ORDER

Committee Chair Safranski called the July 9, 2013, Engineering/Operational Committee Meeting to order at 7:02 A.M.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

There were no Committee Member comments received.

REPORT FROM THE GENERAL MANAGER

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

- Mr. Ruiz commented that the crack and seal portion of the Trabuco Dam Overlay Project at the Robinson Ranch Wastewater Treatment Plant has been completed. Mr. Ruiz added that the project was initially more complex, but that staff learned that the initial recommended level of work was unnecessary. Mr. Ruiz presented photos of the completed work.
- Mr. Ruiz commented on his participation in the South Orange County Wastewater Authority's (SOCWA) Technical Advisory Committee Meeting concerning the Salt and Nutrient Plan development process. Mr. Ruiz added that the Committee is scheduled to meet with stakeholders

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to review Salt and Nutrient limits in accordance with preparation with the Plan. Discussion occurred concerning the use of water softeners in the District's service area and the impacts of sodium chloride on recycled water supplies.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the June 11, 2013, Engineering/ Operational Committee Meeting Recap.

RECOMMENDED ACTION

The Engineering/Operational Committee recommended that the Board receive and file the June 11, 2013, Engineering/Operational Committee Meeting Recap (Consent Calendar).

ITEM 2: BAKER REGIONAL WATER TREATMENT FACILITY

The General Manager, Mr. Hector Ruiz provided a status update on the project, and commented that the Baker Water Treatment Plant (BWTP) Committee last met on May 16, 2013, the Committee Meeting scheduled for June 13, 2013 was cancelled, and the Committee is scheduled to meet on July 11, 2013. Mr. Ruiz added that the Project Final Design is scheduled to be completed this month, and that Irvine Ranch Water District (IRWD) plans to bid the design work in August, 2013. Mr. Ruiz recommended that a Project Workshop be scheduled in the course of the next two to three months for Board review and discussion. Mr. Ruiz presented the DRAFT Agreement Relating to Baker Pipeline Capacity Transfers Among Baker Water Treatment Plant Participants (Agreement) for Committee review. Discussion occurred concerning District water allocation, pipeline flow-rate design, and water capacity disbursement to participating agencies. Committee Chair Safranski requested that staff provide an overview or map of pipeline reaches can be presented to the Committee for review. Discussion occurred concerning water capacity costs for the District and participating agencies. Mr. Ruiz commented that the Agreement formalizes agency capacity transfers. Mr. Ruiz reviewed the BWTP Design Fee Table handout with the Committee. Discussion occurred concerning additional third-party legal review of the Agreement and future related agreements.

Discussion occurred concerning the appropriate scheduling of the Project Workshop for Board review and discussion. Discussion occurred concerning the possibility of scheduling the Project Workshop after the bids are received by IRWD, and prior to the deadline for continued participation in the project. Mr. Ruiz added that IRWD has offered to present project information to the Board.

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 reviewed the project schedule with the Committee. Mr. Ruiz added that Tetra Tech (Consultant) is coordinating with the Federal Emergency Management Agency (FEMA) on the additional scope of work for the required

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historical evaluation of the pipeline. Mr. Ruiz commented that the project meets FEMA's criteria for additional scrutiny as the pipeline is more than forty-five years old, and per FEMA, may possibly have historical value. Although the District and the Consultant have notified FEMA that the pipeline has no historical value, FEMA has indicated that without the historical evaluation the project may be delayed. Discussion occurred concerning FEMA's process for historical determination. Mr. Ruiz presented the Amendment No. 4 for the historical evaluation work for Committee review.

RECOMMENDED ACTION

Received status update, and the Committee recommended forwarding Amendment No. 4 for the completion of the historical evaluation work to the Board for ratification at the next Regular Board Meeting (Action).

ITEM 4: SHADOW ROCK DETENTION BASIN FACILITY PROJECT

The General Manager, Mr. Hector Ruiz provided a status update on the project and commented that URS (Consultant) is currently coordinating with the US Army Corps of Engineers, California Fish and Wildlife, and the California Regional Water Quality Control Board for the applicable permits. Mr. Ruiz added that the Consultant is finishing the project design work, and that staff have met with Southern California Edison's (SCE) new local planner to review bringing power to the site. Discussion occurred concerning the possible impact of rain season on the project's progress later this year.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 5: GOLF CLUB SEWER LIFT STATION UPGRADES AND REHABILITATION

The General Manager, Mr. Hector Ruiz provided a status update on this project, and commented that the staff report has been updated concerning project components completed to date and project components remaining. Mr. Ruiz added that the project is in the final design stage with bidding scheduled for August, 2013. Discussion occurred concerning project completion timeline.

RECOMMENDED ACTION

Received status update, no action taken.

ITEM 6: ON-GOING ENGINEERING PROJECTS

1. Major Electrical Switch Gear Infra-Red Analysis

Mr. Ruiz commented that District Maintenance Department staff is coordinating an infra-red analysis of the District's major electrical switch gear. Maintenance Department Superintendent Mr. Bob Beck commented that he has contacted the District's insurer ACWA/JPIA concerning the service, and that the work is scheduled. Discussion occurred concerning past examples of this type of work, inspection frequency, and the importance of on-site assistance. Mr. Ruiz added that the analysis is being provided to the District by ACWA/JPIA at no cost.

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RECOMMENDED ACTION

Received status update, no action taken

ITEM 7: ACTIVE DEVELOPMENTS

1. Saddle Crest Homes (65 DUs)

Mr. Ruiz commented that there are no updates at this time.

2. Skyridge Development (84 DUs)

Mr. Ruiz commented that there are no updates at this time.

3. Oaks at Trabuco (9 DUs)

Mr. Ruiz commented that there is no activity at this time concerning this development.

4. Other Active Developments

Mr. Ruiz commented on the following matters:

- Summerfield Development: Mr. Ruiz commented that there are five lots in this development (Tract No. 15800) which the infrastructure has been accepted by the District but has no homes built at this time. Mr. Ruiz added that the developer has contacted staff concerning water and sewer service. Mr. Ruiz added that the developer has transferred the easements for the completion of this development.
- Santiago Canyon Estates: Mr. Ruiz commented that the developer did not transfer the property which the District's Topanga Booster Pump Station to the District and that staff is currently working with the developer and the County of Orange to correct the matter.

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 for June, 2013. Mr. McKenna commented that staff has recoated the Dimension Water Treatment Plant (DWTP) Pump Station, and presented photographs of the pumps at the facility. Discussion occurred concerning pump efficiency studies and analyses. Mr. McKenna commented that the large 3 CFS pump has been recently rebuilt, and that staff has determined the need to replace the pump starters due to aging infrastructure and low availability of spare parts. Mr. Ruiz commented that staff has determined the need to replace the pumps at Ridgeline Booster Pump Station, and recommend the installation of new variable speed pumps for the facility. Mr. McKenna commented that Water Department staff is recoating fire hydrants in the Dove Canyon community. Mr. McKenna added that the District purchased approximately six acre feet of potable water from the AMP System through

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Santa Margarita Water District (SMWD) to meet the District's peak summer demand of an additional 800 gallons per minute.

RECOMMENDED ACTION

The Committee received the status update. No actions taken.

ITEM 9: WASTEWATER SYSTEM STATUS

The Wastewater Department Chief Plant Operator Mr. Travis Jones presented the Wastewater System Status Update through June, 2013. Mr. Jones reported on the Department's projects and repairs as noted in the staff report. Mr. Jones reviewed the Monthly Recycled Water System Summary. Discussion occurred concerning recycled water sales to Santa Margarita Water District (SMWD) to date, and sewer processing at the Robinson Ranch Wastewater Treatment Plant (WWTP). Mr. Ruiz added that WWTP has not needed to bypass sewage flow to the SMWD's Chiquita Wastewater Treatment Plant this year, and the facility processes one-hundred percent of the sewage produced on the upper Plano portion of the District's service area. Discussion occurred concerning Dove Canyon Golf Course recycled water demand for the year under the new management group, and the need to supplement the golf course with potable water to meet overall demand. Mr. Ruiz added that Operations staff has started supplementing the Recycled Water Reservoir with potable water in anticipation of a continuing dry year and low runoff water levels in Dove Lake.

RECOMMENDED ACTION

The Committee received the status update. No actions taken.

ITEM 10: 2013 SOUTH ORANGE COUNTY INTEGRATED REGIONAL WATERSHED MANAGEMENT PLAN

The General Manager, Mr. Hector Ruiz commented that this matter was a new item for Committee review. Mr. Ruiz reviewed the history of the South Orange County Integrated Regional Watershed Management Plan (Plan) originally submitted in 2005. Mr. Ruiz added that Director Mandich is the District representative to the Watershed Management Area (WMA) Executive Committee. Mr. Ruiz presented a handout of a powerpoint presentation given by the County of Orange at the June, 2013, WMA Meeting, and reviewed the benefits and requirements of the voter-approved Propositions 50 and 84. Mr. Ruiz commented that WMA participating agencies are required to adopt the updated Plan by Board resolution, per the requirement of Proposition 84. Discussion occurred concerning the types of projects which meet Proposition and WMA criteria for funding, and public opinion of these types of projects, such as desalination facility projects.

RECOMMENDED ACTION

The Committee received the status update. No actions taken.

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ITEM 11: OTHER MATTERS/REPORTS

The General Manager, Mr. Hector Ruiz commented there were no other matters to report. Discussion occurred concerning District water storage requirements and mandates. Mr. Ruiz commented that the District's storage requirements typically range from three to seven days of storage, but that Irvine Ranch Water District (IRWD) provides access to water supply in Irvine Lake, thereby, the District's water storage can extend up to thirty days or greater. Mr. Ruiz added that IRWD's Baker Water Treatment Plant Project is an essential project for District to continue to meet emergency water supply and raw water storage requirements in the event of a Metropolitan Water District of Southern California (MET) shutdown.

ADJOURNMENT

Committee Chair Safranski adjourned the July 9, 2013 Engineering/Operational Committee Meeting at 8:00 A.M.

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