

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP
AUGUST 13, 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
Kris Hanberg, Wastewater 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 August 13, 2013, Engineering/Operational Committee Meeting to order at 7:00 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

There were no General Manager comments received.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the July 9, 2013, Engineering/Operational Committee Meeting Recap.

RECOMMENDED ACTION

The Engineering/Operational Committee recommended that the Board receive and file the July 9, 2013, Engineering/Operational Committee Meeting Recap (Consent Calendar).

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ITEM 2: SHADOW ROCK DETENTION BASIN FACILITY PROJECT

The General Manager, Mr. Hector Ruiz provided a status update on the project and presented an aerial photograph of the project site for discussion purposes. Mr. Ruiz commented that Ms. Lorrie Lausten, Engineer, has coordinated with Southern California Edison (SCE) for electrical power options at the project site which includes the use of current available and installation of new power poles. Mr. Ruiz commented on correspondence from the property owner which authorizes access for electrical power to the project site. Discussion occurred concerning the impact of the relocation and addition of SCE power poles and guide cables. Mr. Ruiz commented that staff has been notified by SCE of their intent to strategically remove specific power poles. Discussion occurred concerning the aesthetic implications of additional power poles, and strong weather impacts on current power poles, such as high winds. Mr. Ruiz commented on the recent work completed by SCE which involved the replacement of power poles throughout the Canyon areas. Discussion occurred concerning future development impacts on the placement of the power poles at the project site. Mr. Ruiz commented that the power poles are designed to be temporary, and will eventually be replaced by underground power supply lines. Discussion occurred concerning electrical power supply, placement of electrical transformer, and electrical costs. Mr. Ruiz commented that the proposed work includes an electrical power pole on nursery property and buried electrical power supply line through Trabuco Highlands Community Association (THCA) property, and the proposed work may result in a cost increase. Discussion occurred concerning the completion status of project environmental documentation. Mr. Ruiz commented that the documentation has been submitted to the applicable agencies, and that staff is in receipt of a request for additional information notification from the Department of Fish and Wildlife. Mr. Ruiz reviewed the revised project schedule with the Committee, and noted that SCE power procurement has been adjusted for completion in October, 2013. Discussion occurred concerning project delay due to SCE power procurement.

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 on the necessity of public and private right of way (ROW) and easement procurement for the project. Mr. Ruiz added that the work is specialized and that staff requires assistance to complete ROW and easement procurement. Mr. Ruiz commented that staff has solicited a request for proposal for consultant services for the work. Mr. Ruiz commented that this work can be completed by at least four different companies, but that staff prefers to coordinate with Tetra Tech (Consultant) and its sub-consultants that have experience with this type of work. Mr. Ruiz recommended the preparation of a Contract Change Order for the additional work for ROW and easement procurement, and reviewed the proposed tasks and budget costs for the additional work. Discussion occurred concerning additional work costs, and Director Mandich's positive experience with the proposed sub-consultant.

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RECOMMENDED ACTION

Received status update, and the Committee recommended staff request a proposal for consultant services for Right of Way and Easement Procurement and forward the proposal to the Board for action at the next Regular Board Meeting (Action).

ITEM 4: BAKER REGIONAL WATER TREATMENT FACILITY

The General Manager, Mr. Hector Ruiz provided a status update on the project, and commented that the Baker Regional Water Treatment Facility (BRWTF) Committee met on July 11, 2013, and recently on August 8, 2013. Mr. Ruiz presented to the Committee two staff-prepared handouts which demonstrated the (1) Pipeline Reaches, and (2) Participating Agency Capacity Allocations per Pipeline Reach. Discussion occurred concerning the District's capacity allocations per the project design and project costs per agency. Mr. Ruiz commented that the District's Dimension Water Treatment Plant (DWTP) receives 6 cubic feet per second (CFS) of the total 8 CFS proposed allotment to the District. Discussion occurred concerning revised project pipeline hydraulics and the proposed pipeline capacities. Mr. Ruiz reviewed the DRAFT Agreement Relating to Baker Pipeline Capacity Transfers Among Baker Water Treatment Plant Participants (Agreement) with the Committee. Discussion occurred concerning project cost balance for participating agencies. Mr. Ruiz reviewed the project schedule with the Committee, and commented that Irvine Ranch Water District's (IRWD) bidding period has commenced. Mr. Ruiz added that IRWD has scheduled a Baker Project Presentation for the Board at the September 18, 2013, Regular Board Meeting. Discussion occurred concerning the Orange County Register article which highlighted the BRWTF Project, dated July 12, 2013, and inter-agency communication and coordination. Mr. Ruiz commented that a pre-bid project meeting has been scheduled for August 22, 2013, at IRWD. Mr. Ruiz added that General Legal Counsel has provided information concerning the review of the Agreement by a third-party legal firm, and staff is proceeding with the preparation of a scope of work.

RECOMMENDED ACTION

Received status update and the Committee directed the General Manager to advise the other Board Members of the information concerning a third-party legal firm review of the DRAFT Agreement Relating to Baker Pipeline Capacity Transfers Among Baker Water Treatment Plant Participants.

ITEM 5: GOLF CLUB SEWER LIFT STATION UPGRADES AND REHABILITATION

The General Manager, Mr. Hector Ruiz provided a status updated on the project, and presented staff-prepared design drawings. Mr. Ruiz commented on the project components which have been completed, and added that the surge tank automatic control system is scheduled for bid at the end of this month. Mr. Ruiz commented that the project design, which includes piping, an air compressor, and the surge tank automatic control system, has been internally designed by staff, and the control system costs have been budgeted at \$65,000. Discussion occurred concerning the Golf Club Sewer Lift Station typical flow rates.

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RECOMMENDED ACTION

Received status update, no action taken.

ITEM 6: ON-GOING ENGINEERING PROJECTS

1. Major Electrical Switch Gear Infra-Red Analysis

The General Manager, Mr. Hector Ruiz commented that maintenance staff is awaiting the scheduling of the work from ACWA/JPIA.

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 the developer has completed street re-pavement work in the community, and that staff has installed an odor control system at a manhole. Mr. Kris Hanberg, Wastewater Department Superintendent, commented that the odor control system is a carbon-based system installed at a manhole where a private sewer force main discharges. Discussion occurred concerning the life of the odor control system and costs for replacement parts. Mr. Ruiz mentioned that the costs for the system are paid for by the Developer.

4. Other Active Developments

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

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 July, 2013. Mr. McKenna commented that staff has completed the District Water System Annual Inspection with representatives from the State Department of Public Health (DPH), which included the review of all District facilities, records and logs, and a final report is to be prepared by DPH staff. Mr. McKenna commented that Operations staff has re-painted fifty-five fire hydrants in the Dove Canyon Community. Mr. McKenna reviewed the Monthly Water System Operations Summary for July, 2013, and commented on the following matters:

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- The total demand for the Dove Canyon Zone is an estimate due to the use of an unmetered bypass line.
- The increase in AMP Water purchases from Santa Margarita Water District (SMWD) is a result of supplementing the Recycled Water Reservoir with potable water to meet recycled water demands.

Discussion occurred concerning an Orange County Register article “Tiered Water Rates Violate Law, Judge Rules”, dated August 7, 2013. Discussion occurred concerning the District’s Conservation Encouragement Rate Program (CERP) history, Proposition 218 compliance, and the methodology for implementation of the CERP. Director Safranski requested that the General Manager inquire of the District General Legal Counsel to provide the Board with an informational update of the referenced article.

RECOMMENDED ACTION

The Committee received the status update. No actions taken.

ITEM 9: WASTEWATER SYSTEM STATUS

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

- Wastewater Department staff coordinated the repair of the 20-inch reclaimed water transmission line on the Dove Lake access road with JES (Contractor),
- Wastewater Department staff repaired the 10-inch reclaimed water transmission line on Heritage Drive,
- Wastewater Department staff repaired the 8-inch gravity sewer line on Heritage Drive. Mr. Hanberg added that GMU Geotechnical, Inc. (Consultant) assisted staff on the repair through the verification of soil compaction compliance.

Discussion occurred concerning the District’s Dry Season Recovery System and the impact of the lower amount of rainfall this year on the recycled water system, and the need to supplement the recycled water reservoir with potable water.

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 on the development of the 2005 South Orange County Integrated Regional Watershed Management Plan (Plan), and presented the DRAFT Resolution for the adoption of the 2013 Plan update. Mr. Ruiz added that all Watershed Management Area (WMA) participating agencies are required to adopt the Plan per the requirements of Proposition 84, and submission to the Department of Water Resources by September 30, 2013.

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RECOMMENDED ACTION

The Committee received the status update, and recommended that staff present Resolution No. 2013-1191, Resolution of the Board of Directors of Trabuco Canyon Water District Adopting the South Orange County Integrated Regional Watershed Management Plan to the Board of Directors for approval at the next Regular Board Meeting (Action).

ITEM 11: OTHER MATTERS/REPORTS

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

- Mr. Ruiz commented that staff has been notified by the Dove Canyon Master Association of three fuel modification zone projects in the community, and that staff has provided fire hydrant meters for their use in the event there is a need for water for fire suppression purposes during project work.
- Mr. Ruiz commented that a brief overview of the South Orange County Wastewater Authority (SOCWA) Technical Advisory Committee Salt and Nutrient Plan will be prepared for the September, 2013, Committee Meeting. The Plan is a requirement of the Regional Water Quality Control Board.

ADJOURNMENT

Committee Chair Safranski adjourned the August 13, 2013 Engineering/Operational Committee Meeting at 8:13 A.M.