

**ENGINEERING/OPERATIONS PRESENTATION
JANUARY 10, 2012**

COMMITTEE MEMBERS PRESENT

Mike Safranski, Committee Chair
Ed Mandich, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Hector Ruiz, District Engineer
Teresa Teichman, Secretary to the Board of Directors
Michael Perea, Special Projects Manager
Neil McKenna, Water Supervisor
Kris Hanberg, Wastewater Supervisor
Bob Beck, Maintenance Supervisor

PUBLIC PRESENT

No members of the public were present.

CALL THE MEETING TO ORDER

Committee Chair Safranski called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

VISITOR PARTICIPATION

There was no visitor participation

ORAL COMMUNICATION

There were no comments.

COMMITTEE MEMBER COMMENTS

Director Safranski had discussions with Staff and the other Committee Member as it relates to moving the permanent start time of TCWD's monthly Engineering/Operational Committee Meetings to a 7:00 a.m. start time, changing from the current start time of 7:05 a.m. All were in agreement and the new start time will be implemented at the time of the February 7, 2012 Engineering/Operational Committee Meeting.

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REPORT FROM THE GENERAL MANAGER

Mr. Don Chadd, General Manager, advised he has no information that is not covered under the agenda.

PROJECT MANAGEMENT

ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL WATER TREATMENT FACILITY

Mr. Hector Ruiz, District Engineer, advised the Baker Regional Water Treatment Facility (BRWTF) Committee meeting scheduled for January 12, 2012 was cancelled.

Mr. Ruiz advised Metropolitan Water District (MWD) requires approved California Environmental Quality Act (CEQA) documents for the facility's connection to the South County Pipeline and that the committee had approved a variance to the consultant for preparing an addendum to the certified Environmental Impact Report.

Mr. Ruiz advised the pipeline alignment along the Serrano Creek trail has identified potential conflicts with existing utilities. The BRWTF Committee, along with the design engineer recommend performing potholing in the area and the committee issued a variance for this additional work. The committee believes this potholing will prevent potential conflicts and change orders during construction..

Mr. Ruiz advised further discussion relating to backwash issues is scheduled later in the month of January.

The Engineering/Operational Committee received and filed the status update.

ITEM 1B) DISCUSSION RELATING TO THE ALTERNATE RAW WATER TRANSMISSION LINE (ARWTL) (16-inch Raw Water Transmission Line Serrano Creek Crossing Alternate Route – PW79)

Mr. Ruiz advised the Request for Proposals (RFP) has been issued for design engineering services and are due back to TCWD on January 17, 2012. Mr. Ruiz advised there were eight firms invited to attend a pre-proposal meeting last week and six firms participated.

Mr. Ruiz advised he anticipates hearing back from FEMA by January 25, 2012 as it relates to TCWD's appeal of denied claim.

The Engineering/Operational Committee received information. No action required.

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**ITEM NO. 1C) STATUS REPORT AND POSSIBLE ACTION RELATING TO
DOVE RESERVOIR/TRABUCO RESERVOIR INTER-TIE AND
TRABUCO HIGHLANDS PRESSURE REDUCING STATIONS
PROJECT**

Mr. Ruiz reviewed the project schedule with the committee noting the easement procurement has been extended into February 2012 to allow time for each Homeowners Association (HOA) to process the information through their respective Boards.

Mr. Ruiz advised TCWD's Legal Counsel is preparing the Mitigated Negative Declaration with mitigation measures on behalf of TCWD and Mr. Ruiz will present the information at the time of the January 18, 2012 Regular Board meeting.

Mr. Don Chadd, General Manager, advised both of the HOA's have indicated they have no issues with the information submitted. Mr. Chadd also advise TCWD is preparing to issue letters to each homeowner who may be impacted by the project. Mr. Chadd stated a mandatory pre-bid meeting was conducted last week and six firms participated.

Director Safranski asked if the projected project cost remain in the \$500,000 to \$600,000 range? Mr. Ruiz replied that is correct.

The Engineering/Operational Committee received the information and forwarded to the Board (Action Calendar).

**ITEM NO. 1D) STATUS UPDATE AND POSSIBLE ACTION RELATING TO ON-
GOING ENGINEERING PROJECTS**

1. Golf Club Lift Station Upgrades/Rehabilitation

Mr. Ruiz stated there is no new information to report.

2. Shadow Rock Detention Basin Facility Project

Mr. Ruiz stated there is no new information to report.

3. Reservoir Analysis

Mr. Ruiz advised he has issued the Notice to Proceed to PSOMAS and staff is preparing verification of water demands for PSOMAS.

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4. Other Projects

Mr. Ruiz advised there are no other projects to discuss at this time.

The Engineering/Operational Committee received the information presented. No action required.

ITEM NO. 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS

1. Skyridge Homes (85 DUs)

Mr. Ruiz advised PSOMAS has completed the final draft Sub- Area Master Plan (SAMP). Mr. Ruiz advised the developer is proceeding with annexation and preparing an Environmental Impact Report (EIR) with the City of Mission Viejo. The developer has submitted a formal request to TCWD relating to coordination with the Santa Margarita Water District (SMWD) for supply of potable water and the associated fee schedule.

Director Safranski asked if the water were to come from SMWD and TCWD were to be the billing agent, would it be an agreement similar to the agreement TCWD has with the Irvine Ranch Water District (IRWD) as it relates to the Portola Hills zone? Mr. Chadd replied it would be a similar agreement.

Mr. Ruiz stated he would like to give SMWD the formal go ahead for the project. Discussion occurred relating to capturing run-off from the proposed development at Oso Reservoir.

2. Oaks at Trabuco

Mr. Ruiz advised staff has received data back from the laboratory with results of the analysis performed last month. Mr. Ruiz will review the data with Mr. Kris Hanberg, Wastewater Supervisor, in order to determine what may be needed to bring the sewer system on-line.

3. Fieldstone

Mr. Ruiz advised the project is going well and advised both sewer and water lines have been installed and successfully tested.

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4. Saddle Crest

Mr. Ruiz advised he is preparing review comments to the draft SAMP prepared by PSOMAS for this project. Mr. Ruiz anticipates he will bring the draft SAMP to the committee at the time of the February meeting.

Director Safranski requested staff provide a map showing an overview of the area which also provides a reference to each project. Mr. Chadd stated staff will prepare a brief power point possibly by the time of the January 18, 2012 Regular Board meeting and defiantly for the February Engineering/Operational Committee meeting.

5. Other Active Developments

Mr. Chadd stated the Robinson Ridge project is still active and will probably be processed through the County of Orange.

The Engineering/Operational Committee received the Status update provided. No Action required.

ITEM NO. 1F) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Treatment Supervisor, provided the December 2011 update.

Source Water Production

1. The water treatment plant production totaled 173 acre feet.
2. The Trabuco Creek Water Treatment Facility produced no water.
3. The average daily demand was 5.5 acre feet, or 2.8 cfs.
4. The demand for the District was 171 acre feet.

Projects and Repairs

1. Water Department Personnel repaired an eight-inch pipeline on Meridian within the Dove Canyon Community.
2. Water Department Personnel has been preparing for the Metropolitan Water District of Southern California (MET) shutdown and preparing for taking water from Irvine Lake.

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Mr. McKenna advised the MET shutdown is scheduled for January 6 through 14, 2012 and TCWD will be taking water from Irvine Lake during that time which requires more frequent backwashing of the filters.

Discussion occurred relating to the new Trabuco Creek Wells Facility and the amount of water needed in order to be able to turn the wells on.

The Engineering/Operational Committee received the status updates. No action required.

ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the December 2011 status update

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 57.6 acre feet.
2. The recycled water demand was 33 acre feet.
3. Dove Lake had 14 feet of freeboard.
4. The reclaimed water reservoir had 3 feet of freeboard.
5. The District pumped a total of 31 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 11 acre feet.
7. There was 67 acre feet pumped to SMWD's Portola Basin.

Projects

1. Wastewater Department Personnel repaired a 4-inch process water line at the Wastewater Treatment Plant..
2. Wastewater Department Personnel performed inspections at the Fieldstone development along with inspecting existing Robinson Ranch sewer lines and reclaimed water lines.

Mr. Hanberg reviewed the Sewer System Quarterly Report and Annual Audit Report.

Discussion occurred relating to the water level in Dove Lake and inquiries from Dove residents.

The Engineering/Operational Committee received the status update. No action required.

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ITEM NO. 1H) DECEMBER 2011 OPERATIONAL REPORT REVIEW

Mr. Chadd advised the information is there for review and there are no anomalies to report.

**ITEM NO. 1I) ENGINEERING/OPERATIONAL COMMITTEE MEETING
RECAP**

No changes were made to the December 13, 2011 Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the December 13, 2011 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

ITEM NO. 1J) OTHER MATTERS/REPORTS

Mr. Chadd advised he received a letter from a resident in the Dove Canyon community concerning slope erosion which was also copied to the Dove Canyon Master Associations Property Management Company. Mr. Chadd advised he and the District Engineer will access the area today.

ADJOURNMENT

Committee Chair Safranski adjourned the January 10, 2012 Engineering/Operational Committee Meeting at 7:42 a.m.