

**ENGINEERING/OPERATIONS COMMITTEE RECAP
FEBRUARY 7, 2012**

COMMITTEE MEMBERS PRESENT

Mike Safranski, Committee Chair
Ed Mandich, Committee Member

STAFF PRESENT

Don Chadd, General Manager
Teresa Teichman, Secretary to the Board of Directors
Michael Perea, Special Projects Manager
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 7:01 a.m.

VISITOR PARTICIPATION

There was no visitor participation

ORAL COMMUNICATION

There were no comments

COMMITTEE MEMBER COMMENTS

There were no committee member comments

REPORT FROM THE GENERAL MANAGER

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

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PROJECT MANAGEMENT

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

Mr. Don Chadd spoke to this issue in the District Engineer's absence.

Mr. Chadd advised there is no new information to report at this time. The Baker Regional Water Treatment Facility Committee is scheduled to meet later this week and a status update will be provided at the time of the Regular February Board Meeting.

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

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

Mr. Chadd stated there is no new information to report at this time.

Mr. Chadd advised that the District Engineer has had subsequent meetings with engineering firms who provided proposals for this project and were not selected.

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

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

Mr. Chadd advised TCWD is waiting for the final submission paperwork for this project and anticipates a kick-off meeting sometime next week.

Mr. Chadd advised letters will be sent out this month to the homeowners expected to be impacted by construction of the project.

Mr. Chadd advised staff is coordinating the receipt of grant of easement from the homeowner's associations.

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Mr. Chadd advised staff has met with Pete DeSimone of the Audubon Society at Star Ranch. Mr. Chadd stated Mr. DeSimone also has an easement relating to this project. Mr. Chadd discussed TCWD's emergency supply line to the Audubon and advised the December 2011 storms washed out those lines, Mr. DeSimone has requested TCWD to flush those lines.

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

**ITEM NO. 1D) CONSIDERATION OF ACTION RELATING TO THE 2012
ORANGE COUNTY REGIONAL WATER AND WASTEWATER
MULTI-HAZARD MITIGATION (HAZMIT) PLAN UPDATE**

Mr. Chadd explained that a Hazard Mitigation Plan is a pre-disaster strategic plan written to guide how a community can lower its risk and exposure to disasters. Mr. Chadd stated the plan is required to be updated every five years. Mr. Chadd also advised in order to be eligible to receive any pre –and post-disaster grant funds from FEMA, an agency must have an approved Hazard Mitigation Plan in place.

Mr. Michael Perea, Special Projects Manager, commented many of the goals identified in this Plan by MWDOC have already been met by TCWD.

Mr. Chadd discussed the District SCADA monitoring upgrades currently occurring within the District.

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

**ITEM NO. 1E) STATUS UPDATE AND POSSIBLE ACTION RELATING TO THE
DRAFT SADDLE CREST SUB-AREA MASTER PLAN**

Mr. Chadd distributed an internal map to the Committee and Staff entitled, Santiago Canyon & El Toro Road, TCWD Future Developments. Mr. Chadd discussed information on the map including land used for mitigation measures. Mr. Chadd also discussed several potential future developments within the District.

Mr. Chadd advised the attached Draft Saddle Crest Sub Area Master Plan (SAMP) contains the data which TCWD will use to determine the developer's cost of buy-in to the District. Mr. Chadd also provided background information relating to the sewer credits regarding this development. Mr. Chadd stated he anticipates the District having the opportunity to obtain an additional reservoir for this future development.

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

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

1. Golf Club Lift Station Upgrades/Rehabilitation

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

2. Shadow Rock Detention Basin Facility Project

Mr. Chadd stated TCWD is waiting for Proposition 84 funding confirmation on this project. Mr. Chadd stated he is in communication with the land owners as it relates to obtaining an easement for electrical power. Mr. Chadd noted a huge pine tree in the Shadow Rock Detention Basin area blew over during a recent wind storm.

3. Reservoir Analysis

Mr. Chadd advised this project is tied in with SAMP's for future developments within the District. Mr. Chadd advised PSOMAS has been engaged to provide an analysis of potential reservoir site locations for consideration of future developments.

4. Other Projects

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

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

ITEM NO. 1G) STATUS UPDATE AND POSSIBLE ACTION REGARDING ACTIVE DEVELOPMENTS

1. Skyridge Homes (85 DUs)

Mr. Chadd advised the developer is currently in discussions with the Santa Margarita Water District (SMWD) for supply of potable water. Mr. Chadd stated the sewer for this development will flow to TCWD's sewer trunk lines.

2. Oaks at Trabuco

Mr. Chadd stated that Mr. Bruce Goren, the owner of the property, is anxious to bring the sewer system on-line. Mr. Chadd advised he had discussion with Mr. Goren last week relating to the costs of sewer service to this property and the minimum amount of sewage flow that would be required for the necessary microbes to survive.

3. Fieldstone

Mr. Chadd advised both sewer and water lines have been inspected by TCWD Staff.

4. Other Active Developments

Mr. Chadd relayed information from the newspaper that St. Michael's Abbey may be relocating to a different location within Trabuco Canyon.

Mr. Chadd advised he had conversations with the Robinson Ridge developer who stated the project is still on course.

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

ITEM NO. 1H) WATER SYSTEM STATUS UPDATE

Mr. Chadd provided the January 2012 status update in Mr. Neil McKenna, Water Treatment Supervisors, absence.

Source Water Production

1. The water treatment plant production totaled 177 acre feet.
2. The Trabuco Creek Water Treatment Facility produced no water.
3. The average daily demand was 5.7 acre feet, or 2.9 cfs.
4. The demand for the District was 172 acre feet.

Projects and Repairs

1. Water Department Personnel treated Irvine Lake water during Metropolitan Water District shutdown.
2. Water Department Personnel began fire hydrant flushing.

The Engineering/Operational Committee received the status updates. No action required.
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ITEM NO. 1D) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the January 2012 status update

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 61 acre feet.
2. The recycled water demand was 24 acre feet.
3. Dove Lake had 11 feet of freeboard.
4. The reclaimed water reservoir had 2 feet of freeboard.
5. The District pumped a total of 5 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 8.5 acre feet.
7. There was 24 acre feet pumped to SMWD's Portola Basin.

Projects

1. Wastewater Department Personnel installed storage containers at the Wastewater Treatment Plant.
2. Wastewater Department Personnel cleaned the contact chamber.

Discussion ensued relating to reclaimed water credits to MWD, selling reclaimed water to homeowner associations, and a draft agreement to sell recycled water to SMWD at the indexed MWD untreated rate.

Mr. Hanberg provided information relating to the pumps at Dove and Tick Creek. Mr. Hanberg also advised storage containers were purchased and delivered to the Wastewater Treatment Plant for storing back-up sewage pumps.

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

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ITEM NO. 1J) JANUARY 2012 OPERATIONAL REPORT REVIEW

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

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

No changes were made to the January 10, 2012 Engineering/Operational recap.

The Engineering/Operational Committee recommended that the Board receive and file the January 10, 2012 Engineering/Operational Committee Meeting Recap. (Consent Calendar).

ITEM NO. 1L) OTHER MATTERS/REPORTS

Mr. Chadd advised the Committee that a Wastewater Stand-by Operator's truck was broken into recently and that TCWD's stand-by laptop computer, district keys, and gate opener were all stolen. Mr. Chadd stated a Sherriff report has been made, district locks are being changed out and gate codes have been changed. Mr. Chadd stated this incident has resulted in significant costs to the District and the Operator is cognizant of the consequences.

ADJOURNMENT

Committee Chair Safranski adjourned the February 7, 2012 Engineering/Operational Committee Meeting at 7:48 a.m.