



## **TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MARCH 3, 2021**

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### **DIRECTORS VIA CONFERENCE CALL**

Ed Mandich, Committee Chair  
Stephen Dopudja, Committee Member

### **STAFF PRESENT**

Fernando Paludi, General Manager  
Michael Perea, Assistant General Manager/District Secretary  
Gary Kessler, Water Department Superintendent  
Jason Stroud, Maintenance Superintendent  
Lisa Marie Sangi, Administrative Assistant

### **STAFF PRESENT VIA CONFERENCE CALL**

Lorrie Lausten, District Engineer  
Karen Warner, Principal Accountant

### **DISTRICT CONSULTANTS PRESENT VIA CONFERENCE CALL**

Mike Swan, PSOMAS Engineering

### **PUBLIC PRESENT VIA CONFERENCE CALL**

None

### **CALL MEETING TO ORDER**

Director Mandich called the March 3, 2021 Engineering/Operational Committee Meeting to order at 7:00 AM. Public access to the meeting was made available by video broadcast.

### **VISITOR PARTICIPATION**

No comments were received.

### **ORAL COMMUNICATION**

No comments were received.

### **COMMITTEE MEMBER COMMENTS**

No comments were received

### **REPORT FROM THE GENERAL MANAGER**

No comments were received

### **ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP**

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

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**RECOMMENDED ACTION**

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

**ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) RELATING TO TCWD'S DOMESTIC WATER STORAGE AND RESERVOIR SITING STUDY UPDATE**

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Ms. Lausten provided a project status update for Committee review, and she presented an updated DRAFT Domestic Water Storage & Reservoir Siting Study Update (Study) based on Committee feedback at the prior meeting. Mr. Mike Swan provided a brief review of the Study updates, and he provided an overview of the updated maps and datapoints with the Committee. Discussion occurred concerning the District's total domestic water storage and system challenges due to service area elevations. Director Mandich asked District staff and Mr. Swan to investigate potential alternative reservoir siting options and prepare a comparative analysis of all the proposed reservoir siting solutions.

**RECOMMENDED ACTION:**

The Committee received the status update. There was no action taken.

**ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING PORTER PROPERTY RESERVOIR PLANNING LEVEL CONSTRUCTION COST ESTIMATE**

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Ms. Lausten provided an update on this matter to the Committee, and she reported on the updates incorporated in the DRAFT Porter Property Planning Level Study & Cost Estimate (Study) based on Committee feedback at the prior meeting. Ms. Lausten reviewed the planning level cost estimates for reservoirs at both Harris Grade and the District's Porter Property. Discussion occurred concerning the potential costs directly related to alternative distribution system improvements and other domestic water capacity related time sensitive matters. Director Dopudja recommended scheduling a special meeting of the Engineering/Operational Committee to discuss this matter more fully and to make a recommendation to the Board of Directors.

**RECOMMENDED ACTION:**

The Committee received the status update. There was no action taken.

*Director Mandich recommended moving forward Item 5.2 Other Engineering and Operations Project Updates, Saddleback Meadows. Director Mandich recused himself from meeting business and exited the Board Room at approximately 7:36 a.m.*

**ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS**

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**2. Saddleback Meadows Development**

Ms. Lausten provided a brief update on this project, and she reported that District staff has met with the developer concerning the domestic water demand and planned system improvements. Discussion occurred concerning the status of the development Sub-Area Master Plan (SAMP); Ms. Lausten commented that a DRAFT SAMP has been completed, but not approved. Discussion occurred concerning domestic water storage needs systemwide and the District's storage fees and charges. Director Dopudja requested District staff agendaize the DRAFT SAMP for review at the following Committee meeting.

**RECOMMENDED ACTION:**

The Committee received the status update. There was no action taken.

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*Director Mandich returned to the Board Room at approximately 7:52 a.m. and resumed his participation on the remaining meeting business.*

**ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT**

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Ms. Lausten provided a brief update on this project, and she reported that the contractor has mobilized and started demolition of the site. Ms. Lausten added that the project is estimated for completion by July 1, 2021. Discussion occurred concerning coordination with Dove Canyon Master Association (DCMA) for planned street improvements and the placement of the contractor's construction trailer.

**RECOMMENDED ACTION:**

The Committee received the status update. There was no action taken.

**ITEM 5: OTHER ENGINEERING AND OPERATIONS PROJECTS**

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**1. Saddle Crest Development**

Mr. Paludi provided a brief update on this matter for Committee review, and he reported on his discussion with the developer concerning a potential extended warranty on eligible District facilities. Discussion occurred concerning facility acceptance and operational/maintenance challenges and concerns. Mr. Paludi mentioned that this matter will be agendaized for Board review and consideration at the next Regular Board Meeting. Director Dopudja requested that Operations and Maintenance staff update the Board with their concerns.

**3. Joplin Property/SCADA Upgrade**

Mr. Paludi provided an update on this matter, and he reported that District staff has been working with staff from the Orange County's Chief Real Estate Office on a long-term license agreement for the District's onsite SCADA equipment at the Joplin Youth Camp property. Discussion occurred concerning the proposed terms of the agreement and concerns regarding certain limits that may adversely impact the District.

**4. Golf Club Sewer Lift Station**

Mr. Perea presented this matter for Committee review, and he reported that the District had contracted with Ferriera Construction to install an inline isolation valve on the discharge force main to isolate the station from the downstream wastewater flows. Mr. Perea provided a brief overview of the station operations and current challenges, as well as planned repairs and minor improvements, and he mentioned that an overview of the facility repairs will be presented at the following Committee Meeting.

**5. Other Projects**

None

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 6: WATER SYSTEM UPDATES**

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Mr. Kessler reviewed the projects and repairs for February 2021, and he provided the additional highlights:

1. Water Operations staff repaired a struck abandoned two-inch water service on Robinson Ranch Rd. in the Robinson Ranch Community.
2. Water Operations staff pulled the Rose and Lang Well pumps at the Ground Water Treatment Facility.
3. Water Operations staff participated in crane and electrical training.

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4. Water Operations staff replaced leaking hydrants on Bell Canyon Dr. and Promontory in the Dove Canyon Community.
5. Water Operations staff preformed Pressure Regulator Valve maintenance at the Canyon Creek Pump Station and Robinson Ranch Pump Station.
6. Water Operations staff is preparing to take the Dimension Water Treatment Plant offline for two weeks due to maintenance being performed on the Lower Feeder at Lake Matthews

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that current domestic water demand is low due to the winter season.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 7: WASTEWATER SYSTEM UPDATES**

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Mr. Perea reviewed the projects and repairs for February 2021, and he provided the additional highlights:

1. Wastewater Operations staff repaired/replaced the inline polymer pump and polymer line at belt press building.
2. Wastewater Operations staff installed a surge arrestor on the Sequencing Batch Reactor (SBR) decant valve flush line to reduce/prevent water hammer.
3. Wastewater Operations staff installed a new disinfection feed line at the Dove Recycled Water Pump Station.
4. Wastewater Operations staff cleaned Golf Club and Bell Canyon Sewer Lift Station wet wells.
5. Wastewater Operations staff coordinated with third-party contractor to install and operate the permanent odor control system and equipment at Bell Canyon Sewer Lift Station.

Mr. Paludi provided a brief update that developer for The Oaks at Trabuco has installed a level indicator instead of a flow meter at the onsite wastewater treatment plant due to observed low flows.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary with the Committee, and he reported that non-domestic water supplies are sufficient entering into the summer months. Mr. Perea reported that District staff will be conducting the second round of interviews for the vacant Wastewater Operator in Training position, and advertisement of the vacant Wastewater Operations Superintendent position will this week.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 8: MAINTENANCE DEPARTMENT UPDATES**

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Mr. Stroud reviewed the projects and repairs for February 2021, and he provided the additional highlights:

1. Maintenance Department staff participated in an electrical class (passed).
2. Maintenance Department staff participated in a crane certification class (passed practical exam, waiting results from written).
3. Maintenance Department staff assisted with an emergency repair at the Golf Club Lift Station stage I (submersible) pump.
4. Maintenance Department staff assisted with an electrical service upgrade at the Dove Tank Water Reservoir.
5. Maintenance Department staff replaced an electric motor at the Wastewater Treatment Plant on the East Sutorbilt aeration blower.

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6. Maintenance Department staff conducted ongoing upgrades to the Jet Pump at the Wastewater Treatment Plant (80% complete).
7. Maintenance Department staff assisted Water Operations with the setup of the Rose and Lang Wells camera inspection and cleaning.
8. Maintenance Department staff procured new tires on District vehicles, #2, #4, #14.
9. Maintenance Department staff assisted with the ongoing work at Bell Canyon Lift Station.

**RECOMMENDED ACTION**

The Committee received the status update. There was no action taken.

**ITEM 9: OTHER MATTERS/REPORTS**

Director Mandich inquired on COVID-19 vaccine availability to District staff; Mr. Paludi commented that he would provide an update at the upcoming Board Meeting.

**RECOMMENDED ACTION**

There was no action taken.

**ADJOURNMENT**

Director Mandich adjourned the March 3, 2021 Engineering/Operational Committee Meeting at 8:30 AM.