



## **TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | AUGUST 1, 2018**

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### **DIRECTORS PRESENT**

Edward Mandich, Committee Chair  
Don Chadd, Committee Member Alternate

### **STAFF PRESENT**

Michael Perea, Interim General Manager  
Lorrie Lausten, Principal Engineer  
Kris Hanberg, Wastewater Department Superintendent  
Jason Stroud, Maintenance Department Superintendent  
Lisa Sangi, Administrative Assistant

### **PUBLIC PRESENT**

None

### **CALL MEETING TO ORDER**

Director Mandich called the August 1, 2018 Engineering/Operational Committee Meeting to order at 7:00 AM.

### **VISITOR PARTICIPATION**

No comments were received.

### **ORAL COMMUNICATION**

No comments were received.

### **COMMITTEE MEMBER COMMENTS**

No comments were received.

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

Mr. Perea mentioned that Mr. Kessler was not in attendance due to the repair of an eight-inch pipeline emergency line break on Santiago Canyon Road.

Both Mr. Perea and Mr. Stroud attended a Southern California Edison (SCE) Orange County meeting regarding SCE shutdown program during fires. Mr. Perea reported that this electrical shutdown program would affect District facilities during emergencies, and highlighted the concerns raised by the agencies in attendance.

Mr. Perea also indicated that he will be attending a Municipal Water District of Orange County (MWDOC) meeting today regarding an update the Water-Fix Project.

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

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Mr. Perea presented the recaps for Committee review in accordance with the agenda.

### **RECOMMENDED ACTION**

Director Mandich and Mr. Perea recommended that the Engineering/Operational Committee Meeting Recaps be forwarded to the Board of Directors for approval (Consent Calendar).

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**ITEM 2: DISCUSSION CONCERNING THE ADOPTION OF THE SOUTH ORANGE COUNTY INTEGRATED REGIONAL WATERSHED MANAGEMENT PLAN**

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Mr. Perea provided an update on this item, and he mentioned that the Draft Watershed Management Area (WMA) Plan (Plan) was not included as an exhibit in the meeting packet due to the size of the document. Mr. Perea discussed that the Plan is updated periodically to ensure that the agencies within Orange County can qualify for available grants, and that the District is required to adopt the Plan by resolution. Director Mandich provided a brief update on recent developments with the WMA Executive Committee, and he recommended that this matter be forwarded to the Board for consideration. Discussion occurred concerning current grant opportunities available to the District.

**RECOMMENDED ACTION**

The Committee recommended that this matter be forwarded to the Board of Directors (Action Calendar).

**ITEM 3: VIA ALLEGRE WET WELL EXPANSION PROJECT**

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Ms. Lausten provided a brief status update on this project, and she commented that this project was awarded to GCI Construction. Ms. Lausten mentioned that Hydrotech Electrical is currently procuring the electrical equipment. Discussion occurred concerning existing facility access issues and proposed improvements to the security wall and perimeter fence.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 4: DIMENSION WATER TREATMENT PLANT TRUCK DELIVERY ACCESS IMPROVEMENTS**

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Ms. Lausten provided a brief status update on this project, and she reported that only one prospective contractor responded to the District's Invitation to Bid due to the small size of the project. Ms. Lausten added that the project bid exceeded the District's project budget. Discussion occurred concerning options for the project. Ms. Lausten mentioned that she has contacted the City of Lake Forest concerning their pending street improvement project for Spring 2019 to determine if the District could collaborate with the City as a cost savings mechanism for the District.

**RECOMMENDED ACTION**

The Committee received the status update and recommended that District coordinate with the City of Lake Forest for the completion of this project.

**ITEM 5: SANTIAGO CANYON ROAD PIPELINE IMPROVEMENTS**

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Ms. Lausten provided a brief update on this project, and she mentioned that this project was an essential capital improvement project. Ms. Lausten reported that she issued an Invitation to Bid for this project, but all the received bids significantly exceeded the District's budget. At the recommendation of the Committee, Ms. Lausten value engineered the project scope and received a revised bid from Ferreira Construction, the lowest bidder, in the amount of \$201,678. Discussion occurred concerning the importance of the project and the revised project scope. Mr. Perea commented that he had reviewed the project budget challenges with the District Treasurer and that they had identified additional funding in the District's Ten-Year Capital Improvement Program which could be used for this project. Mr. Perea recommended that the Committee approve the project and for the Board ratify the contract with Ferreira Construction in the amount \$201,678 and a contingency amount of \$20,000. Ms. Lausten reported that she was currently working with County of Orange staff to extend the working hours on Santiago Canyon Road for the completion of the project. Director Chadd agreed with Mr. Perea's recommendation.

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**RECOMMENDED ACTION**

The Committee approved the project as presented and recommended that the Board of Directors ratify and authorize the Interim General Manager to execute a contract with Ferreira Construction for the Santiago Canyon Road Pipeline Improvements in the not to exceed amount of \$201,678 with a contingency of \$20,000 for a total project amount of \$221,678 (Action Calendar).

**ITEM 6: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT**

Ms. Lausten provided a brief update on this project, and she reported that she was currently working with Hazen (Project Design Consultant) on this project. Ms. Lausten added that she had received the Preliminary Design Report, and that she has scheduled a meeting with the Water Operations staff to review and discuss this project further.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS**

**1. District Facilities Security Site Improvements:**

Mr. Perea provided a brief update on this project, and he reported that District staff were currently evaluating additional site security improvements for District facilities and properties.

**2. Supervisory Control and Data Acquisition (SCADA) System:**

Ms. Lausten provided a brief project update, and she mentioned that District staff is scheduled to meet with TESCO Controls and the City of Redlands staff to review their recent SCADA System improvements.

**3. Canyon Creek Pump Station Improvements:**

Ms. Lausten provided a brief update on this project, and she reported that JIG Consultants has completed the Technical Memorandum for planning proposed Fiscal Year 2019/2020 improvements and upgrades to this facility.

**4. State Mandated School Lead Sampling Program:**

Mr. Perea provided a brief update on this project, and he reported that the State Water Board Division of Drinking Water (DDW) had notified District staff that the Saddleback Valley Unified School District recent testing results would meet the State requirements for this Program. Mr. Perea added that he requested a written confirmation from the District's DDW representative.

**5. Other Projects:**

There were no other projects presented for Committee review.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 8: SADDLE CREST DEVELOPMENT (65 DU's | WSL)**

Ms. Lausten provided a brief status update on this development, and she reported that the District's onsite Construction Inspection Management Services was awarded last month. Ms. Lausten added that L&S Construction (Developer's Contractor) was currently working on the installation of the sewer and water systems.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

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**ITEM 9: SKYRIDGE DEVELOPMENT (84 DUs)**

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Mr. Perea presented this matter for Committee review, and he mentioned that DMC Engineering has submitted Contract Change Order No. 4 for Inspection Services for this development. Ms. Lausten that the costs associated with the Inspection Services is developer driven. Discussion occurred concerning the status of the development and timeline for completion.

**RECOMMENDED ACTION:**

The Committee recommended that the Board of Directors authorize the Interim General Manager to execute Contract Change Order No. 4 with DMC Engineering for Inspection Services for the Skyridge Development Contract in the amount of \$4,560 (Action Calendar).

**ITEM 10: WATER SYSTEM UPDATES**

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Mr. Perea reviewed the projects and repairs for July 2018, and he provided the additional highlights:

1. Water Operations staff has completed all the valve turning in Dove Canyon.
2. Water Operations staff repaired two broken hydrant valves in Rancho Cielo.
3. Water Operations staff conducted the required residential Lead and Copper Sampling.
4. Water Operations staff has coordinated with the Saddleback Valley Unified School District for the submission of their most recent lead sampling test results in compliance with the State Mandated School Lead Sampling Program regulations.

Mr. Perea reported that the repairs for the 2 Cubic Feet per Second (CFS) pump at the Dimension Water Treatment Plant was completed and that the pump had been reinstalled and efficiency tested. Mr. Perea added that the District was no longer purchasing treated domestic water from Santa Margarita Water District (SMWD) because of the reinstallation of the repaired pump.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

**ITEM 11: WASTEWATER SYSTEM UPDATES**

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Mr. Hanberg reviewed the projects and repairs for July 2018, and he provided the additional highlights:

1. Wastewater Operations staff installed a Backflow at the Golf Club Sewer Lift Station.
2. Wastewater Operations staff, with the assistance of the Maintenance Department, installed a time relay on the Hoffman Blower at the Robinson Ranch Wastewater Treatment Plant to create an anoxic zone in the sequencing batch reactors.

Mr. Hanberg reported that he was notified by South Orange County Wastewater Authority (SOCWA) staff of an increase in nitrate levels in the Robinson Ranch Wastewater Treatment Plant (WWTP) final effluent water. Mr. Hanberg added that Wastewater Operations implemented anoxic zones in the sequencing batch reactors to lower the higher than normal nitrate levels. Discussion occurred concerning Dove Lake freeboard and recycled water pumping schedule.

**RECOMMENDED ACTION**

The Committee received the status update, no action taken.

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**ITEM 12: OTHER MATTERS/REPORTS**

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Mr. Perea reported that Santa Margarita Water District (SMWD) and Irvine Ranch Water District (IRWD) discussed emergency storage water banking opportunities available at the last South Orange County Agencies Group Meeting. Discussion occurred concerning the information presented at the meeting. Mr. Perea commented that he has invited representatives from both agencies to discuss the respective programs.

Mr. Perea reported that he was working with Ms. Warner, Ms. Byerrum, and Raftelis Financial Consultants to finalize the financial analysis related the Special Water Rate Study as presented at the July 18, 2018 Regular Board Meeting. Mr. Perea added that additional information concerning this matter will be presented for Board review and the Regular Board Meeting.

**RECOMMENDED ACTION**

There was no action taken.

**ADJOURNMENT**

Director Mandich adjourned the August 1, 2018 Engineering/Operational Committee Meeting at 7:53 AM.