



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 3, 2018

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Michael Perea, Interim General Manager
Lorrie Lausten, Principal Engineer
Gary Kessler, Water Department Superintendent
Kris Hanberg, Wastewater Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the October 3, 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

Director Mandich commented on a typographical error on the Visitor Participation section of the agenda; Mr. Perea commented that District staff will make the correction.

REPORT FROM THE INTERIM GENERAL MANAGER

Mr. Perea commented on the recent rain event.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

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

RECOMMENDED ACTION

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

PROJECT MANAGEMENT

ITEM 2: VIA ALLEGRE WET WELL EXPANSION PROJECT

Ms. Lausten provided a brief status update on this project, and she reviewed the project schedule with the Committee. Ms. Lausten mentioned that the original design included re-using the original pumps, but she mentioned that District staff would like to purchase new pumps for the facility and keep the original pumps as

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 3, 2018**

back up equipment. Ms. Lausten mentioned that Mr. Stroud procured pump quotes from three vendors, and that District staff recommends the Wilo pumps from Flo-Services. Discussion occurred concerning pump manufacturer and design. Mr. Perea mentioned that this item was briefly reviewed with the Executive Committee, and he mentioned that President Acosta shared his experience and challenges with Wilo pumps.

Ms. Lausten delivered a brief PowerPoint presentation regarding the proposed emergency entrance to the facility from Plano Trabuco Road. Ms. Lausten reported that she had discussed this matter with City of Rancho Santa Margarita staff, and she reviewed a proposed site access plan with the Committee. Discussion occurred concerning access-related issues, facility improvement aesthetics, and project budget.

RECOMMENDED ACTION

The Committee approved the purchase of the Wilo pumps from Flo-Services for a not to exceed amount of \$56,679.72 and recommended that the Board of Directors ratify the purchase (Action Calendar).

ITEM 3: DOVE AND ROBINSON RANCH RECYCLED WATER PUMP STATION REHABILITATION PROJECT

Mr. Perea provided a brief review of this project to date, and he highlighted the project phases. Director Mandich briefly discussed the March 2018 onsite facility visit which provided guidance to District staff on possible facility improvements to ensure facility operations. Mr. Perea presented the Draft Technical Memorandum (TM) for Committee review, and he indicated that the TM (Project Phase One) is independent of the proposed facility improvements (Project Phase Two). Mr. Perea mentioned that District staff met with JIG Consultants (Consultant) to review the Draft TM based on feedback from the Committee. Discussion occurred concerning certain sections of the TM and proposed tank options. The Committee requested a hard copy of the Draft TM for their review and comment. Ms. Lausten mentioned that she is currently working on a project scope of work related to the facility improvements and that District staff will procure additional quotes for the proposed capital improvements. The Committee recommended that District staff work with the Consultant to review certain Hydraulic Grade Line (HGL) consistencies and grading costs.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 4: SANTIAGO CANYON ROAD PIPELINE IMPROVEMENTS PROJECT

Ms. Lausten provided a brief status update on this project, and she mentioned this project is nearing completion. Ms. Lausten presented project status photos for Committee review, and she commented on how well Ferreira Construction (Contractor) worked with District staff on this project. Ms. Lausten reported that the Contractor discovered issues during the installation of an onsite fire hydrant for a District customer which caused the District to incur additional costs as presented in the contract change order, but she mentioned that the customer has been notified that they will be responsible for the costs. Discussion occurred concerning certain project challenges related to the installation of line stop and an identified illegal domestic water connection. Mr. Perea commended both Ms. Lausten and Water Operations staff for their diligent work on this project.

RECOMMENDED ACTION

The Committee received the status update and recommended that the Board of Directors authorize the Interim General Manager to execute Contract Change Order No. 1 to Ferreira Construction in the amount of \$7,471.72 (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 3, 2018**

ITEM 5: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Ms. Lausten provided a brief update on this project, and she reviewed the updated project schedule and pump station cost sharing breakdown according to the terms of the agreement. Discussion occurred concerning the engineer's estimated costs for the facility improvements and the District's budgetary share; the Committee requested that the pump station agreement cost sharing table be updated to reflect the original project budget.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 6: DISCUSSION CONCERNING GROUNDWATER OPPORTUNITIES IN TRABUCO CANYON WATER DISTRICT'S SERVICE AREA

Mr. Perea provided an update on this matter, and he mentioned this item was reviewed with the Executive Committee the prior week. Mr. Perea reported that he has had conversations with the well owner regarding the District's interest entering into an agreement to purchase groundwater. Discussion occurred concerning the historical background with the well owner and the well characteristics.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Supervisory Control and Data Acquisition (SCADA) System:

Ms. Lausten provided a brief project update, and she mentioned that Beavens Systems and TESCO Controls (SCADA Consultants) will be onsite in the coming weeks.

2. Canyon Creek Pump Station Improvements:

Ms. Lausten provided a brief update on this project, and she reported that a Technical Memorandum by JIG Consultants will be received next month for the Engineering/Operational Meeting. Ms. Lausten added that she has reached out to the adjacent landowner concerning the matter of the relocation of the surge tank.

3. District Facilities Security Site Improvements:

Mr. Perea provided a brief status on the ongoing security improvement projects, and he mentioned that the installation of the swing gates was scheduled for the following week. Mr. Stroud mentioned that there has been a delay on the gate fabrication process.

Mr. Perea provided a handout provided by the County of Orange Public Works (OCPW) concerning their Trabuco Creek Road K-Rail Installation Project. Mr. Perea reported that OCPW has amended the permit language to indemnify the District, and that OCPW will paint the K-Rail with a reflective paint in response to the District's public safety concerns. Mr. Perea recommended forwarding this matter to the Board of Directors for their review.

4. Other Projects:

There were no other projects presented for Committee review.

RECOMMENDED ACTION

The Committee received the status update and recommended forwarding the County of Orange Public Works Permit to Enter Request to the Board of Directors (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 3, 2018**

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

Ms. Lausten provided a brief status update on this development, and she reported that District staff has received three (3) proposals for Construction Management and Inspection Services related to the construction of the onsite reservoir and pump station. Ms. Lausten provided a proposal summary for Committee review. Discussion occurred concerning the difference in the proposed labor hours and proposed inspection costs. Ms. Lausten provided her assessment of the proposals based on Firm resources. Discussion occurred concerning Firm qualifications and proposed inspection services. The Committee recommended that District staff request additional information related to the Firm qualifications related to reservoir and pump station construction management and inspection services and to then forward the information to the Board or Directors.

RECOMMENDED ACTION

The Committee received the status update and recommended that the matter be forwarded to the Board of Directors (Action Calendar).

ITEM 9: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for September 2018 and he provided the additional highlights:

1. Water Operations staff continued to assist contractors with the Santiago Canyon Road Pipeline Improvement Project.
2. Water Operations staff conducted Disinfection By-Products (DBP) sampling.
3. Water Operations staff repaired one valve on Rancho Cielo Drive in the Rancho Cielo community.
4. Water Operations staff have exercised 405 valves to date.

Mr. Kessler reviewed the Monthly Water System Operations Summary, and he reported that due to Lake Mathews water quality challenges that the District purchased treated water from Santa Margarita Water District. Mr. Kessler reported that Water Operations staff has replaced three domestic water valves in the Rancho Cielo community to date. Mr. Perea presented a handout of which included a report update on the District's Valve Exercise Program.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 10: WASTEWATER SYSTEM UPDATES

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

1. Wastewater Operations staff interviewed applicants for the Wastewater Operator in Training open position.
2. Wastewater Operations staff replaced the chlorine pumps at the Robinson Ranch Wastewater Treatment Plant.
3. Wastewater Operations staff completed the Recycled Water User Inspections for the Trabuco Highlands and Robinson Ranch communities and T-Y Nursery.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary, and he commented that recycled water overall decreased since last month.

Mr. Stroud reported that the District's Vactor Truck was currently out for repairs, and that the District was renting a replacement in the interim.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 3, 2018**

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 11: OTHER MATTERS/REPORTS

Ms. Lausten reported that District staff has been working with Municipal Water District of Orange County (MWDOC) staff to submit a Notice of Intent (NOI) to the Federal Emergency Management Agency (FEMA) for a grant on backup power generators for District facilities. Discussion occurred concerning other grant opportunities.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the October 3, 2018 Engineering/Operational Committee Meeting at 8:45 AM.