



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 6, 2018

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

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

PUBLIC PRESENT

Steve Gagnon, Raftelis Financial Consultants

CALL MEETING TO ORDER

Director Mandich called the June 6, 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 introduced Mr. Steve Gagnon with Raftelis Financial Consultants to the Committee.

Mr. Perea provided an update on a one-acre fire on Holy Jim Canyon Road adjacent to the District's Porter Property. Mr. Perea mentioned that the Orange County Fire Authority (OCFA) collected water from the District's Dove Lake. Discussion occurred concerning the possible source of the fire. Mr. Perea stated that the fire was reported as a vegetation fire.

Mr. Perea also informed the Committee of the office closure as the next Engineering/Operational Committee Meeting was scheduled for July 4, 2018 and recommended an alternate date of July 11, 2018. The Committee members approved.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Perea presented the recaps for Committee review. Director Dopudja expressed his appreciation concerning the accuracy of the information.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 6, 2018**

RECOMMENDED ACTION

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

ITEM 2: TRABUCO CANYON WATER DISTRICT WATER AND RECYCLED WATER SPECIAL RATE STUDY

Mr. Perea presented this matter for Committee review, and he mentioned that this item was discussed at the May 16, 2018 Regular Board Meeting and was based on the recommendation from the Finance/Audit Committee at their May 9, 2018 meeting. Mr. Perea added that a kick-off meeting was held on Tuesday, June 5, 2018 with Mr. Gagnon, District General Legal Counsel, and District staff, as well as Director Chadd was also in attendance at the kick-off meeting for past perspective on the rates. Mr. Steve Gagnon provided a brief presentation regarding the proposed methodology for the District's Recycled and Reclaimed Water Rates. Discussion occurred concerning the proposed methodology and recently enacted legislation concerning water usage. Director Mandich inquired on Recycled water calculation and recommended the preparation of a hydrology study to assist with the proposed methodology and data request. Director Dopudja inquired if this type of analysis of recycled and reclaimed water rates had been previously conducted by another agency; Mr. Gagnon commented that this type of analysis was new and that only one other municipality was currently undergoing this type of analysis. Mr. Perea briefly discussed the proposed rates and charges analysis methodology for the Portola Hills portion of the District's service area, and presented a handout for Committee review. Mr. Perea added that the proposed analysis methodology is based on existing inter-agency agreements with Irvine Ranch Water District, and that District staff will work with Raftelis on the analysis. Mr. Perea mentioned that additional information will be presented to the Engineering/Operational Committee prior to the scheduling of a Public Hearing in accordance with Proposition 218.

RECOMMENDED ACTION

The Committee recommended that the matter be forwarded to the Board of Directors for review.

ITEM 3: TRABUCO CANYON WATER DISTRICT PROPOSED FISCAL YEAR 2018/2019 GENERAL FUND AND CAPITAL IMPROVEMENT PROGRAM BUDGETS

Mr. Perea presented this matter for Committee review, and mentioned that District staff propose to add the Water Storage Reservoir Recoating Study to the Fiscal Year 2018/2019 Capital Improvement Program (CIP) as a carry-over project from Fiscal Year 2017/2018. Ms. Lausten provided a brief review of the proposed project, and she mentioned that more information will be presented to the Committee in August 2018.

RECOMMENDED ACTION

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

ITEM 4: DOVE & ROBINSON RANCH RECYCLED WATER PUMP STATIONS REPLACEMENT PROJECT – PHASE 1

Ms. Lausten presented an update on this project, and she mentioned that she is currently working with JIG Consultants to update the Technical Memorandum. Ms. Lausten mentioned that this matter will be brought back to the July, 2018 Engineering/Operational Committee for review.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 6, 2018**

ITEM 5: VIA ALLEGRE WET WELL EXPANSION PROJECT

Ms. Lausten presented an update on the project and commented that the Board awarded the construction for this project to GCI Construction at the February Regular Board Meeting. Ms. Lausten reported that the project was currently in the equipment procurement phase. Ms. Lausten added that District staff recommends contracting with Hydrotech to upgrade the electrical components at the facility which was not included in the original design. Director Mandich commented that in the future to cover all costs with the Developer. Ms. Lausten reviewed the proposal for electrical upgrades with the Committee and recommended Hydrotech Electrical for the Via Allegre Wet Well Expansion Project Electrical Upgrades proposal. Discussion occurred concerning the procurement of multiple bids for projects; Mr. Perea commented that District staff is currently working on a Procurement Policy for Board review that includes language related to the procurement of multiple bids for projects.

RECOMMENDED ACTION

The Committee recommended that the Board of Directors authorize the Acting General Manager to execute a construction contract with Hydrotech Electrical for the Via Allegre Wet Well Expansion Project Electrical Upgrades for a not to exceed amount of \$40,200.00 (Action Calendar).

ITEM 6: DIMENSION WATER TREATMENT PLANT TRUCK DELIVERY ACCESS IMPROVEMENTS

Ms. Lausten provided an update on this project, and she stated that the permitting process with the City of Lake Forest was completed. Ms. Lausten briefly reported on the status of the project specifications, and she mentioned that the District is scheduled to go out to bid at the end of the week. Ms. Lausten reported that Cost came in under project budget. The City of Lake Forest project will not be moving forward until Spring of 2019.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 7: SANTIAGO CANYON ROAD PIPELINE IMPROVEMENTS

Ms. Lausten provided an update on this project, and she commented on the condition of the existing pipeline and emergency line breaks on the existing eight-inch line over the years. Ms. Lausten commented that District staff requested bids from four contractors for this project, and she presented a bid comparison spreadsheet for Committee review. Ms. Lausten commented that the bids exceeded the original budget significantly due to challenges outside the District's control, including the limited approved work hours by the County of Orange. Discussion occurred concerning value engineering the project to reduce the overall costs in line with the budget and outreach efforts to the County of Orange.

RECOMMENDED ACTION

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

ITEM 8: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Ms. Lausten provided a status update on the project, and she mentioned that the proposed upgrades to the pump station are associated with the Saddle Crest Development. Ms. Lausten added that the project costs are shared with the developer. Ms. Lausten commented that District staff requested engineering design proposals from four firms, and she recommended Hazen for the engineering design services for the facility improvements. Discussion occurred concerning the engineering firm references and past projects.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 6, 2018**

RECOMMENDED ACTION

The Committee recommended that the Board of Directors authorize the Acting General Manager to execute a Contract for Engineering Design Services for the Ridgeline Booster Pump Station Improvements and Capacity Increase Project to Hazen in the not to exceed amount of \$242,625 (Action Calendar).

ITEM 9: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Robinson Ranch Wastewater Treatment Plant Security Site Improvements:

Ms. Lausten provided a brief update on the security site improvements at the Robinson Ranch Wastewater Treatment Plant, and she mentioned that she is reviewing the final punch list items with La Habra Fence Company.

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

Ms. Lausten provided a brief project update, and she mentioned that the project was currently in the procurement phase.

3. Trabuco Creek Watershed Sanitary Survey Update:

Mr. Perea provided a brief update on this matter, and he commented that District staff is working on the data request to Ms. Karen Johnson (Consultant) and are finalizing comments for review.

4. Department of Water Resources Emergency Action Plan Development for Trabuco Canyon Water District Dams:

Ms. Lausten provided a brief update on this matter, and she reported that District staff will work on this during Fiscal Year 2018/19 with Dudek (Consultant).

5. Goren Wastewater Treatment Plant Permit Modifications:

Mr. Hanberg provided a brief update on this project, and he mentioned that he had met with Goren Development to review the proposed facility operational costs for both secondary and tertiary treatment of the wastewater.

6. State Mandated School Lead Sampling Program:

Mr. Kessler provided a brief update on this project, and he commented that the sampling will be scheduled after school starts in the fall.

7. Canyon Creek Pump Station Improvements':

Mr. Perea presented this matter for Committee review, and he explained that this facility currently serves eight homes and one church. Mr. Perea commented that this facility is in need of mechanical and electrical upgrades, and he mentioned that a CIP budget of \$35,000 was scheduled for Fiscal Year 2017/18. Mr. Perea added that District staff proposes to replace certain corroded pipelines inside the facility and to work with JIG Consultants. Ms. Lausten added that the facility site was surveyed two to three years ago, and she commented on the limited access and overall footprint at the facility. Discussion occurred concerning the overall scope of the facility upgrades; Mr. Perea commented that a facility upgrade engineering design services report would provide District staff with the necessary guidance to upgrade the facility.

8. Other Projects:

There were no other projects presented for Committee review.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 10: SADDLE CREST (65 DU's | WSL)

Ms. Lausten provided a brief status update on this project, and she reported that District staff has procured two proposals for Construction Inspection Services for the On-Site and Off-Site Water and Sewer Improvements for this development. Ms. Lausten briefly reviewed a bid comparison spreadsheet of the two firms, and she recommended MWH Constructors for Construction Inspection Services for a not to exceed amount of

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 6, 2018**

\$139,150.23. Ms. Lausten added that she had reviewed the proposals with the developer, and she explained the reasons for her recommendation of MWH Constructors for the inspection services.

RECOMMENDED ACTION

The Committee received the status update recommended that the Board of Directors approve, ratify, and authorize the Acting General Manager to execute the Contract for Construction Inspection Services for the On-Site and Off-Site Water and Sewer Improvements for the Saddle Crest Development to MWH Constructors in the not to exceed amount of \$139,150.23 (Action Calendar).

ITEM 11: WATER SYSTEM UPDATES

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

1. Water Operations staff personal installed a new four-inch (4") domestic AMR water meter at T-Y Nursery.
2. Water Operations staff replaced a curb stop valve and customer shut-off valve at 47 Golf Ridge.
3. Water Operations staff repaired a leaking eight-inch (8") water main pipeline on Golf Ridge.
4. Water Operations staff repaired one (1) hydrant valve and worked with a contractor to replace three (3) valves in Dove Canyon. Mr. Kessler commented that the valves were wrapped in plastic, causing rust. Usually replace bolts, unless body is bad. TCWD is using stainless steel bolts.
5. Water Operations staff has exercised 222 valves to date in Dove Canyon.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he reported that that the hydrant painting was ninety percent done.

Mr. Perea commented on the unplanned power outage at the Dimension Water Treatment Plant, and he commented that he met with District staff in regard to permanent backup power and working with a third-party vendor to analyze the electrical demands at the facility for a generator. Discussion occurred concerning the benefits of permanent and portable generator solutions and performing a cost analysis of backup power solutions.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 12: WASTEWATER SYSTEM UPDATES

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

1. Wastewater Operations staff completed the aeration system pipeline improvements at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Wastewater Operations staff completed weed abatement and cleaned the desilting area at the Shadow Rock Detention Basin Facility.
3. Wastewater Operations staff worked with JES to desilt the basins at Dove Creek and Tick Creek Urban Recovery Stations.

Mr. Hanberg briefly reviewed the Monthly Recycled Water System Operations Summary (Summary) with the Committee. Mr. Perea commented that the desilting and cleaning of the District's Urban Runoff Recovery Stations would be budgeted and performed annually. Perea commented that the Summary was updated to include Supplemental Domestic Water to the Reclaimed Water Reservoir for Committee review. Discussion occurred concerning the impacts of increased reclaimed water demands on the District's supplies; Mr. Perea responded

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 6, 2018**

that he is currently working with General Legal Counsel to develop and Non-Domestic Water Supply Management Policy.

RECOMMENDED ACTION

The Committee received the status update, no action taken.

ITEM 13: OTHER MATTERS/REPORTS

Mr. Perea stated there were no other matters for discussion.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the June 6, 2018 Engineering/Operational Committee Meeting at 8:50 AM.