



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 6, 2019

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

CONSULTANTS PRESENT

None

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the February 6, 2019 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 INTERIM GENERAL MANAGER

Mr. Perea commented that the Water Operations staff placed the Trabuco Creek Groundwater Treatment Facility online and that the facility was producing 500 gallons per minute (gpm). Mr. Perea added that the Dimension Water Treatment was placed offline for preventative maintenance in preparation for the warmer months.

Mr. Perea mentioned that he, President Safranski, and Ms. Lausten met with Southern California Edison ("SCE") for the purpose of discussing increased level of communication related to their Public Safety Power Shutoff ("PSPS") program.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 6, 2019**

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

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

RECOMMENDED ACTION

The Committee 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 reported that District staff recently met with the homeowner adjacent to the facility to review plant screening options. Ms. Lausten reviewed project status photos with the Committee, and she provided an updated monitoring exhibit provided by DMc Engineering, the District's survey services consultant.

RECOMMENDED ACTION

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

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

Ms. Lausten provided a brief status on this project, and she highlighted the updated areas of the DRAFT Engineering Study completed by JIG Consultants. Discussion occurred concerning the proposed Phase 2 portion of the rehabilitation of the facility. Ms. Lausten recommended forwarding the procured quotes for Phase 2 to the Board for consideration. Discussion occurred concerning the Phase 2 portion of the project and budgeted costs. Ms. Lausten mentioned that District staff will prepare a PowerPoint presentation for Board review and consideration at the next Regular Board Meeting.

RECOMMENDED ACTION

The Committee recommended the Board of Directors receive and file the FINAL DRAFT Engineering Study for Dove Canyon and Robinson Ranch Recycled Water Pump Station Rehabilitation – Phase 1 prepared by JIG Consultants (Action Calendar).

The Committee recommended forwarding the procured quotes for Phase 2 portion of the Dove Canyon and Robinson Ranch Recycled Water Pump Station Rehabilitation Project to the Board of Directors for consideration (Action Calendar).

ITEM 4: CANYON CREEK BOOSTER PUMP STATION EVALUATION

Ms. Lausten provided an update on this project, and she reported that JIG Consultants has completed the FINAL DRAFT Evaluation of Canyon Creek Booster Pump Station which includes engineering cost estimates for future capital improvement planning.

RECOMMENDED ACTION

The Committee recommended the Board of Directors receive and file the FINAL DRAFT Evaluation of Canyon Creek Pump Station Recommended Rehabilitation Report prepared by JIG Consultants (Action Calendar).

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

Ms. Lausten provided a brief update on this project, and she reported that District staff recommend a constructability review of the ninety percent (90%) design submittal. Ms. Lausten added that a Request for Proposal ("RFP") will be go out for Construction Management in March 2019. Discussion occurred concerning

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 6, 2019**

construction management services for this project; Ms. Lausten recommended outsourcing construction management services due to limited staffing.

RECOMMENDED ACTION

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

ITEM 6: DIMENSION WATER TREATMENT PLANT DELIVERY ACCESS IMPROVEMENTS PROJECT

Ms. Lausten provided a brief update on this project, and she presented the DRAFT Reimbursement Agreement with the City of Lake Forest for completing the project in conjunction with the City's street improvement projects. Ms. Lausten reported that the project will go out to bid in early March and is expected to be completed before the end of fiscal year.

RECOMMENDED ACTION

The Committee recommended the Board of Directors authorize the Interim General Manager to execute the Reimbursement Agreement between Trabuco Canyon Water District and the City of Lake Forest for Certain Driveway Widening Improvements as Part of the City of Lake Forest's 2019 Citywide Roadway Improvement Project (Action Calendar).

ITEM 7: TRABUCO CANYON WATER DISTRICT'S SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM UPGRADE PROJECT

Ms. Lausten presented this matter for Committee review, and she reported that Phase One and Two of this project are completed. Ms. Lausten provided an overview of Phase Three of this project, which includes a Radio Frequency System Analysis and SCADA Platform Evaluation and Selection. Ms. Lausten reported that District staff TESCO Controls to review the proposed next steps and requested that a TESCO Controls representative deliver a brief presentation to the Board of Directors at the next Regular Board Meeting. Ms. Lausten presented a contract change order from Beavens Systems, Inc. for work performed outside of the original scope. Mr. Perea commended District staff, Beavens Systems, and TESCO Controls for the work completed to date.

RECOMMENDED ACTION

The Committee made the following recommendations:

1. Recommend the Board of Directors authorize the Interim General Manager to approve the Beavens Systems, Inc. Agreement Amendment No. 1 in the amount of \$23,760 (Action Calendar).
2. Recommend the Board of Directors authorize the Interim General Manager to execute a contract with TESCO Controls, Inc. for the Radio Frequency (RF) System Analysis and Field Study in the amount of \$134,900 (Action Calendar).
3. Recommend the Board of Directors authorize the Interim General Manager to execute a contract with TESCO Controls, Inc. for the SCADA Platform Evaluation and Selection Services in the amount of \$8,950 (Action Calendar).

ITEM 8: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S CONSENT TO THE AGREEMENT BETWEEN IRVINE RANCH WATER DISTRICT AND SANTA MARGARITA WATER DISTRICT TRANSFER OF SEWER CAPACITY IN EL TORO TRUNK SEWER

Mr. Perea presented this matter for Committee review and mentioned that District staff met Irvine Ranch Water District (IRWD) staff regarding the proposed capacity agreement with Santa Margarita Water District (SMWD). Mr. Perea briefly reviewed the purpose of the agreement, and he mentioned that both parties request TCWD's consent. Mr. Perea added that this agreement was reviewed by General Legal Counsel. Discussion occurred

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 6, 2019**

concerning capacity allocation in the El Toro Trunk Sewer and the impacts of new developments in the Portola Hills area.

RECOMMENDED ACTION

The Committee recommended the Board of Directors authorize the Interim General Manager to execute the Consent to the Wastewater Capacity Exchange Agreement Between Irvine Ranch Water District and Santa Margarita Water District (Action Calendar).

ITEM 9: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. District 2018 Pre-Disaster Mitigation (PDM) Grant Application Status Update:

Ms. Lausten provided a brief update on this matter, and she commented that there have been some delays due to the government shut-down.

2. Emergency Pipeline Repair Paving Projects Update:

Ms. Lausten reported that the repair paving projects have been completed and that District staff was currently reviewing a contract change order.

3. Urban Water Runoff Conveyance Structure to Dove Lake:

Mr. Perea delivered a brief PowerPoint presentation on this matter that had been previously discussed with the District Properties Ad Hoc Committee. Mr. Perea highlighted that the Urban Water Runoff Conveyance Structure (“Spillway”) conveys urban water runoff from William Lyon Pond, which both are owned by Trabuco Highlands Community Association, to Dove Lake, which is owned by the District. Mr. Perea reported that the lower portion of the Spillway is significantly damaged and requires repairs. Discussion occurred concerning the District Properties Ad Hoc Committee’s recommendations to research the matter further to inform the appropriate parties that may be affected by this matter and other concerns related to the condition of the Spillway.

4. Groundwater Opportunity Exploration Update – Feasibility Study

Mr. Perea reported that District staff met with Woodard & Curran on the District’s lower Porter Property for the purpose of evaluating the feasibility of groundwater exploration. Ms. Lausten mentioned that District staff will bring this matter to the Committee the following month.

5. Other Projects:

None

RECOMMENDED ACTION

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

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

Ms. Lausten provided a brief status update on this development, and she mentioned that the construction of the reservoir tank would be completed by the end of fiscal year. Ms. Lausten added that the pump station is scheduled to be completed in October 2019.

RECOMMENDED ACTION

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

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 6, 2019**

ITEM 11: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for January 2019, and he provided the additional highlights:

1. Water Operations staff prepared the Trabuco Creek Groundwater Treatment Facility for operation.
2. Water Operations staff repaired a two-inch (2") service for the Dove Canyon Golf Course Maintenance Yard.
3. Water Operations staff repaired two (2) broken domestic system valves in the Trabuco Highlands Community.
4. Water Operations staff covered an exposed six-inch (6") domestic water pipeline on the District's Lower Porter Property.

Mr. Kessler reviewed the Monthly Water System Operations Summary, and he reported that Water Operations staff exercised ninety-eight (98) valves in the Robinson Ranch and Trabuco Highlands communities.

RECOMMENDED ACTION

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

ITEM 12: WASTEWATER SYSTEM UPDATES

Mr. Hanberg reviewed the projects and repairs for January 2019, and he provided the additional highlights:

1. Wastewater Operations staff installed new sodium hypochlorite peristaltic pumps at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Wastewater Operation staff worked with a contractor to remove eucalyptus trees next to the Operations Building at the WWTP.
3. Wastewater Operations staff performed construction inspection on the Via Allegre Sewer Lift Station Wet Well Expansion Project.

Mr. Hanberg reviewed the Monthly Recycled Water System Operations Summary with the Committee, and he reported that Dove Lake was full due to the recent rain events. Mr. Hanberg added that Operations was currently bypassing a portion of wastewater flow to SMWD's Chiquita WWTP due to the increased flowrates attributed to the heavy rain.

Mr. Hanberg commented that a T-Y Nursery representative contacted him regarding recycled water availability. Mr. Perea added that he has directed Wastewater Operations staff to review the availability of recycled water for all non-domestic water users based on the actual total system production and demand.

RECOMMENDED ACTION

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

ITEM 13: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for January 2019, and he provided the additional highlights:

1. Maintenance Department staff installed the rebuilt Dove Lake pump.
2. Maintenance Department staff repaired the West Sequencing Batch Reactor (SBR) Hoffman Blower at the Robinson Ranch WWTP.
3. Maintenance Department staff assisted Wastewater Operations with the cleaning of the West SBR at the Robinson Ranch WWTP.
4. Maintenance Department staff assisted Water Operations with restoring cover on a six-inch (6") domestic water pipeline in the Canyon area.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 6, 2019**

5. Maintenance Department installed new monitors at the District Administration Facility for the SCADA Upgrade Project.

Discussion occurred concerning the status of the District's Vector Truck; Mr. Stroud reported that the vehicle had been returned to the District after completion of the repairs. Mr. Stroud commented that the Maintenance Department was currently evaluating options for the District.

RECOMMENDED ACTION

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

ITEM 14: OTHER MATTERS/REPORTS

Mr. Perea reported that both he and the Board President attended the proposed Paloma Court Development (Dove Canyon Plaza) Open House facilitated by William Lyon Homes at the Dove Canyon Courtyard on Saturday, February 2, 2019. Mr. Perea added that more information concerning the proposed concepts will be presented at the next Regular Board Meeting.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the February 6, 2019 Engineering/Operational Committee Meeting at 8:00 AM.