



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2020

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Principal Engineer
Gary Kessler, Water Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

PUBLIC PRESENT

Janet Fordunski & Jennifer Ziv, Woodard & Curran

CALL MEETING TO ORDER

Director Mandich called the February 5, 2020 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

The Committee recognized Mr. Kessler's birthday.

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.

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: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Ms. Lausten provided a brief project status update to the Committee, and she reviewed the project construction report and photos. Ms. Lausten reported that Pacific Hydrotech has issued a Contract Change Order No. 2 in the amount of \$30,290. Ms. Lausten reported that District staff has worked with the Canyon Rim Townhomes

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2020**

Association related to a Grant of Easement for the installation of a facility security fence, and she recommended that the matter be forwarded to the Board of Directors.

RECOMMENDED ACTION

The Committee received the project update made the following recommendations:

1. Recommend that the Board of Directors ratify Contract Change Order No. 2 to Pacific Hydrotech Corporation in the amount of \$30,290 (Action Calendar)
2. Recommend that the Board of Directors receive the Grant of Easement to the Trabuco Canyon Water District by Canyon Rim Townhomes Association, for Perimeter Fencing, and authorize the District Secretary to execute said Grant of Easement (Action Calendar).

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

Mr. Paludi presented this project for Committee review, and he mentioned there was no recommend action related to this project. Ms. Lausten provided a brief update on the status of this project, and she mentioned that the District staff are planning with Ferreira Constructors for the repair of the station inlet pipeline. Ms. Lausten added that the inspection of the reclaimed reservoir outlet structure and isolation valve has been completed and indicates certain necessary repairs need to be completed before continuing with the facility rehabilitation. Ms. Lausten added that District staff will prepare a scope of work for repairs based on the final report results.

RECOMMENDED ACTION

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

ITEM 4: DISCUSSION CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Mr. Paludi presented this matter for Committee review, and he mentioned that District staff are currently evaluating the onsite odor control improvements. Ms. Lausten provided a brief project update, and she mentioned that Hydrotech Electrical have completed the electrical improvements at the facility. Discussion occurred concerning the proposed odor control systems and communication with the neighbor.

RECOMMENDED ACTION

The Committee received the information concerning the matter.

ITEM 5: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S GROUNDWATER FEASIBILITY STUDY

Mr. Paludi introduced Ms. Fordunski and Ms. Ziv from Woodard & Curran (WC) to the Committee, and he mentioned that Ms. Fordunski was to provide an update on the efforts to date. Ms. Fordunski delivered a PowerPoint presentation that highlighted the proposed areas for groundwater feasibility evaluation on the District-owned Porter Property. Ms. Fordunski reviewed the proposed additional evaluation phases and associated costs. Discussion occurred concerning grant funding opportunities.

RECOMMENDED ACTION

The Committee received the information concerning the matter and recommended forwarding the information to the Board of Directors (Action Calendar).

ITEM 6: EL TORO SEWER LIFT STATION IMPROVEMENTS AND IRVINE RANCH WATER DISTRICT BUYOUT PROPOSAL

Mr. Paludi presented this matter for Committee consideration, and he briefly highlighted the buyout proposal from Irvine Ranch Water District (IRWD). Ms. Lausten reported that District staff has requested a proposal from

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2020**

Hazen and Sawyer to complete a preliminary evaluation of the facility in conjunction with the IRWD buyout proposal. Discussion occurred concerning certain terms of the buyout proposal and capital improvement costs for El Toro Sewer Lift Station.

RECOMMENDED ACTION

The Committee received the information concerning the matter and recommended that the Board of Directors authorize the General Manager to execute a contract with Hazen and Sawyer for Engineering Design Services for El Toro Lift Station Preliminary Study in the amount of \$40,920 (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Urban Water & Stormwater Runoff Conveyance Structure to Dove Lake (Spillway)

Mr. Paludi reported that there was a fully executed and recorded agreement with Trabuco Highlands Community Association. Ms. Lausten reported District staff has requested a proposal for construction services from JES Engineering Contractors for the repair to the William Lyon Pond Spillway. Discussion occurred concerning certain planned repair options.

2. SCADA Upgrade Project – Radio Field Study and Software Evaluation

Ms. Lausten reported that District staff met with TESCO Controls to review the Radio Field Study results to date. Discussion occurred concerning the location of the antenna repeater on the Joplin Youth Camp onsite reservoir.

3. Dam Inspection Services – Trabuco Dam and Dove Dam

Ms. Lausten provided a brief update on this project, and she reviewed the results of the Trabuco Dam and Dove Dam Inspection Report with the Committee. Discussion occurred concerning the short-term operational impacts based on the condition of the valves and appurtenances at both dams.

4. Other Projects

Mr. Perea mentioned that the County of Orange is currently finalizing the Orange County Operational Area Agreement for approval by the County Board of Supervisors. Mr. Perea added that the final approved agreement will be presented to the Committee and the Board of Directors for approval at a later date.

RECOMMENDED ACTION

The Committee received the status updates and recommended the forwarding the JES Engineering Contractors for repairs to William Lyon Pond Spillway to the Board of Directors (Action Calendar).

ITEM 8: PALOMA SQUARE DEVELOPMENT (120 DUs)

Mr. Paludi presented this matter for Committee review, and he reported that Dove Canyon Ad Hoc Board Advisory Committee for Dove Canyon Shopping Plaza met the prior week. Mr. Paludi advised the Committee that he phoned Mr. Michael Battaglia, William Lyon Homes, for the purpose of advising him of the Board of Directors' request to meet with the whole Board at a public meeting. Mr. Paludi added that District staff has not received approval from Hunsaker and Associates to proceed with the preparation of the Sub-Area Master Plan (SAMP). Mr. Paludi mentioned that the District received a Public Records Request from Communications Lab on behalf of William Lyon Homes with regards to public room usage of the Administration Facility, including frequency of use and calendar of meetings. Ms. Lausten reviewed the Albert Grover & Associates Proposal for Traffic Engineering Services, and she recommended proceeding with the study.

RECOMMENDED ACTION

The Committee received the status update and approved and recommended that the Board of Directors ratify the contract with Albert Grover and Associates for TCWD's Administration Facility Parking Study in the amount of \$5,500 with a contingency of \$2,500 (Action Calendar).

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2020**

ITEM 9: SADDLEBACK MEADOWS DEVELOPMENT (181 DUs)

Ms. Lausten provided a brief update on this development, and she reported that District prepared a Request for Proposals (RFP) for the preparation of a Reservoir Feasibility Study at Harris Grade. Ms. Lausten reported that three proposals were received, and that District staff were currently reviewing the proposals.

RECOMMENDED ACTION

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

ITEM 10: SADDLE CREST DEVELOPMENT (65 DUs)

Mr. Paludi presented this matter for Committee consideration, and he reported that MWH Constructors has issued two contract addenda related to inspection services. Ms. Lausten reviewed the MWH contract addenda with the Committee, and she indicated that the developer is responsible for paying these costs. Mr. Paludi mentioned that District staff met with the Developer to review the updated costs related to delays with the development.

RECOMMENDED ACTION

The Committee received the status update and made the following recommendations:

1. Recommend that the Board of Directors authorize the General Manager to execute the MWH Constructors Contract Addendum No. 1 for Pipeline Inspection Services in the amount of \$36,029 (Action Calendar).
2. Recommend that the Board of Directors authorize the General Manager to execute the MWH Constructors Contract Addendum No. 1 for Reservoir and Pump Station Inspection Services in the amount of \$46,425 (Action Calendar).

ITEM 11: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for January 2020, and he provided the additional highlights:

1. Water Operations staff started the Fire Hydrant Flushing Program and completed the following:
 - a. Flushed thirty-six (36) fire hydrants
 - b. Replaced four (4) fire hydrants
2. Water Operations staff replaced one (1) curb stop on Barneburg Drive in the Dove Canyon community.
3. Water Operations staff repaired a leaking valve on Barneburg Drive in the Dove Canyon community.
4. Water Operations staff replaced a domestic water service on Prairie View Lane in the Robinson Ranch community.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee.

RECOMMENDED ACTION

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

ITEM 12: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for January 2020, and he provided the additional highlights:

1. Wastewater Operations staff conducted Non-Domestic Water System inspections.
2. Wastewater Operations staff cleaned Barneburg Sewer Lift Station wet well.
3. Wastewater Operations staff worked with Wastewater Operations staff to replace a pump volute at the Golf Club Sewer Lift Station.

**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | FEBRUARY 5, 2020**

4. Wastewater Operations staff coordinated for the removal of discarded metal spoils at the Robinson Ranch Wastewater Treatment Plant.
5. Wastewater Operations staff completed the cleaning of the Sanitary Sewer System.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary. Discussion occurred concerning the status of non-domestic water supplies in the Recycled Water Reservoir and Dove Lake.

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 2020, and he provided the additional highlights:

1. Maintenance Department staff worked with Flo-Services on the El Toro Sewer Lift Station Rehabilitation Project.
2. Maintenance Department staff worked with Flo-Services to complete emergency repairs at Booster One Domestic Water Pump Station.
3. Maintenance Department staff worked with Wastewater Operations staff to replace a pump volute at the Golf Club Sewer Lift Station.
4. Maintenance Department staff worked with Brightview Landscape on the landscape and weed abatement at the Dry Season Recovery Pump Station.

RECOMMENDED ACTION

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

ITEM 14: OTHER MATTERS/REPORTS

Mr. Paludi reported that District staff are developing the Board of Directors Facilities Tour itinerary for Saturday, February 15, 2020.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the February 5, 2020 Engineering/Operational Committee Meeting at 8:54 AM.