



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JANUARY 8, 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

Kevin Burton & Eric Akiyoshi, Irvine Ranch Water District (IRWD)
Janet Fordunski & Jennifer Ziv, Woodard & Curran

CALL MEETING TO ORDER

Director Mandich called the January 8, 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 members expressed their wishes of a Happy New Year to District staff and audience members.

Director Mandich recommended moving Items 7 and 6 to the top of the agenda.

REPORT FROM THE GENERAL MANAGER

No comments were received.

ITEM 7: DISCUSSION CONCERNING IRVINE RANCH WATER DISTRICT BUYOUT PROPOSAL FOR REMAINING EL TORO TRUNK SEWER SYSTEM CAPACITY

Mr. Paludi introduced Mr. Kevin Burton and Mr. Eric Akiyoshi from Irvine Ranch Water District (IRWD) to the Committee, and he provided background concerning IRWD's buyout proposal for the remaining El Toro Trunk Sewer System Capacity, which includes the El Toro Sewer Lift Station. Mr. Paludi briefly reviewed the terms proposed by IRWD with the Committee. Discussion occurred concerning certain terms of the proposal. Mr. Paludi indicated that District staff are currently evaluating the details of the proposed terms, and he recommended forwarding this matter to the Board of Directors for their review.

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RECOMMENDED ACTION

The Committee received the information concerning the matter and recommended this item be forwarded to the Board of Directors for consideration (Action Calendar).

ITEM 6: DISCUSSION CONCERNING TRABUCO CANYON WATER DISTRICT'S GROUNDWATER FEASIBILITY STUDY

Mr. Paludi introduced Ms. Janet Fordunski and Ms. Jennifer Ziv from Woodard & Curran (WC) to the Committee, and he reported that WC has completed certain tasks of the Groundwater Feasibility Study. Ms. Fordunski provided a brief update on the study tasks completed to date, and she discussed some of the challenges associated with the geophysical composition at the proposed sites. Discussion occurred concerning the construction of pumping and monitoring wells and the potential environmental impacts associated with the sites.

RECOMMENDED ACTION

The Committee received the information concerning the matter. No action was taken.

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

Mr. Paludi presented this matter for Committee consideration, and he reported on his recent site visit to the facility. Ms. Lausten reported that the project was on schedule, and she reviewed construction photos with the Committee. Ms. Lausten reported that District staff requested a proposal from the contractor for the replacement of an onsite vault lid and related drainage improvements within the facility parking area, and she mentioned that this work will result in a contract change order as it is outside the original scope of work. Discussion occurred concerning certain planned onsite security improvements.

RECOMMENDED ACTION

The Committee received the information concerning the matter.

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

Mr. Paludi presented this project update for Committee consideration. Ms. Lausten provided a brief update on the status of this project, and she mentioned Ferreira Construction is currently working on the fabrication of inlet and discharge piping and the associated appurtenances. Ms. Lausten indicated that a future contract change order for work performed outside of the original scope of work will be presented to the Committee for their review at a later date.

RECOMMENDED ACTION

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

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ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE URBAN WATER & STORMWATER RUNOFF CONVEYANCE STRUCTURE TO DOVE LAKE

Mr. Paludi presented this matter for Committee review, and he reported that District staff and General Legal Counsel were currently working on the final draft agreement between the District and Trabuco Highlands Community Association (THCA). Discussion occurred concerning certain terms of the agreement. Ms. Lausten provided a draft preliminary plan of the repair prepared by GMU for Committee review and comment.

RECOMMENDED ACTION

The Committee received the status update and recommended that the DRAFT Agreement Regarding William Lyon Pond Property By and Between Trabuco Canyon Water District and Trabuco Highlands Community Association be forwarded to the Board of Directors for consideration (Action Calendar).

ITEM 5: DISCUSSION CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Ms. Lausten provided a brief update on this project, and she mentioned that District staff met with JIG Consultants to review the preliminary improvement plans for this facility. Discussion occurred concerning onsite odor control methods and the potential impacts to the District's sanitary sewer system and associated facilities and equipment; Ms. Lausten mentioned that District staff is scheduled to meet with neighboring agency staff to learn more about their odor control methods prior to implementing a new odor control solution. Discussion occurred concerning ongoing public outreach methods concerning the planned facility improvements.

RECOMMENDED ACTION

The Committee received the information concerning the matter

ITEM 8: OTHER ENGINEERING AND OPERATIONS PROJECTS

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

Ms. Lausten provided a brief update on this project, and she reported that District staff met with County of Orange (County) staff at the Joplin Youth Camp site to review the proposed antenna improvements. Ms. Lausten added that the County was currently evaluating the long-term prospects of their property now that the camp has been closed. Ms. Lausten mentioned that District staff was currently evaluating alternative sites for the antenna improvements.

2. District Fats, Oils, Grease (FOG) Program & Policy Update

Ms. Perea reported that District staff is currently evaluating the Fats, Oils, Grease (FOG) Program and Policy for update, and he mentioned that that recent review and update of the Sewer System Management Plan Update demonstrated the need to update the FOG Policy. Mr. Perea added that a DRAFT Policy will be brought back to the Committee at a future meeting for their review and consideration.

3. Dam Inspection Services – Trabuco Dam and Dove Dam

Ms. Lausten provided a brief update on this project, and she delivered a PowerPoint presentation which reviewed the inspection of the Trabuco Dam and Dove Dam and associated appurtenances. Ms. Lausten highlighted the areas identified for repair and/or replacement.

4. Other Projects

Mr. Paludi provided a brief update concerning the District's contractual arrangement with the developer for The Oaks at Trabuco, and he mentioned that District staff is currently in discussion with the developer regarding the permitting for the onsite wastewater treatment facility. Mr. Paludi added that District staff will be meeting with the developer to discuss matters related to the existing contract for wastewater hauling.

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RECOMMENDED ACTION

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

ITEM 9: PALOMA SQUARE DEVELOPMENT (120 DUs)

Mr. Paludi presented this matter for Committee review, and he reported that William Lyon Homes representative Mr. Michael Battaglia had contacted him to coordinate a meeting to discuss the proposed development. Mr. Paludi added that the City of Rancho Santa Margarita (RSM) had issued an Evaluation of Completeness Letter shortly after the District submitted a Comment Letter on the Paloma Square Specific Plan, and he mentioned that District staff and General Legal Counsel were preparing a follow up letter to address additional related matters. Ms. Lausten reported that District staff has procured two proposals for the preparation of a Parking Study, and she briefly reviewed the proposals with the Committee. Discussion occurred concerning the proposed scope of work for the Parking Study.

RECOMMENDED ACTION

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

ITEM 10: SADDLEBACK MEADOWS DEVELOPMENT (181 DUs)

Ms. Lausten provided a brief update on this development, and she reported that PSOMAS Engineering is currently working with developer's engineer related to the preparation of the Sub Area Master Plan (SAMP). Ms. Lausten added that District staff is preparing a request for proposals (RFP) for the preparation of the Harris Grade Reservoir Feasibility Study, and she mentioned that more information will be presented at the following Engineering/Operational Committee Meeting.

RECOMMENDED ACTION

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

ITEM 11: WATER SYSTEM UPDATES

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

1. Water Operations staff replaced/converted six (6) fire hydrants in the Robinson Ranch and Trabuco Oaks communities.
2. Water Operations staff replaced seven (7) Turbidimeter Controllers and twelve (12) Turbidimeters at the Trabuco Creek Groundwater Treatment Facility (GWTF).
3. Water Operations staff replenished the filter media on all eighteen (18) filters at GWTF.
4. Water Operations staff replaced the chemical feed pumps and chemical feed tubing at GWTF.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee. Mr. Kessler provided a brief update on the status of the District's groundwater well capacity to date.

RECOMMENDED ACTION

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

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ITEM 12: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for December 2019, and he provided the additional highlights:

1. Wastewater Operations staff isolated, drained, and cleaned the East Sequencing Batch Reactor (SBR) at the Robinson Ranch Wastewater Treatment Plant (WWTP). During the isolation period, the East SBR aeration system was repaired.
2. Wastewater Operations staff worked with Vaughan Industries on the installation of the new Jet Pumps for the East and West SBRs at the WWTP.
3. Wastewater Operations staff worked with the contracted divers to inspect the Trabuco Dam and Dove Dam.
4. Wastewater Operations staff worked with Brightview Landscape on weed abatement and tree removal in and around the Trabuco Dam.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary and Sewer System Monitoring Plan Quarterly Report with the Committee.

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 December 2019, and he provided the additional highlights:

1. Maintenance Department staff completed the Department of Transportation (DOT) 90-Day Inspections of District Fleet Large Vehicles consistent with DOT regulations.
2. Maintenance Department staff worked with Water Operations staff on Topanga Booster Pump Station onsite generator maintenance issues and low water pressure-related issues.
3. Maintenance Department staff worked with TESCO Controls on high frequency testing for the Radio Field Study.
4. Maintenance Department staff assisted La Habra Fence Co. with the installation of the new security gate at Via Allegre Sewer Lift 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 will schedule a Board of Directors tour of the District facilities in the near future.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the January 8, 2020 Engineering/Operational Committee Meeting at 8:45 AM.