



**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | SEPTEMBER 2, 2020**

DIRECTORS PRESENT

Stephen Dopudja, Committee Member
Don Chadd, Committee Member Alternate

DIRECTORS ABSENT

Ed Mandich, Committee Chair

STAFF PRESENT

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

PUBLIC PRESENT

None

PUBLIC VIA CONFERNECE CALL

Mark Bush, Principal in Charge - Tetra Tech
Kyle Bohn, Project Manager - Tetra Tech

CALL MEETING TO ORDER

Director Dopudja called the September 2, 2020 Engineering/Operational Committee Meeting to order at 7:00 AM. Public access to the meeting was made available by video broadcast.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

None

REPORT FROM THE GENERAL MANAGER

Mr. Paludi recommended removing item no. 2 from the agenda as it was not necessary for discussion.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

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RECOMMENDED ACTION

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

ITEM 3: DISCUSSION CONCERNING THE ADOPTION OF SOUTH ORANGE COUNTY WASTEWATER AUTHORITY (SOCWA) PROPOSED WASTE DISCHARGE PRETREATMENT AND SOURCE CONTROL PROGRAM FOR WASTEWATER FLOWS UPDATE AND ENFORCEMENT RESPONSE PLAN UPDATE

Mr. Paludi introduced this matter for Committee consideration and review. Mr. Perea provided a brief summary of the proposed minor updates to the Waste Discharge Pretreatment and Source Control Program (Ordinance) as prepared by the South Orange County Wastewater Authority (SOCWA) for member agencies, and he reviewed the notification and posting requirements in accordance with the Water Code. Mr. Perea added that District staff recommends scheduling the Public Hearing for the adoption of the Ordinance in November to allow SOCWA-member agencies that are cities to meet the additional reading requirements.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors agendaize Public Hearing and authorize District staff to furnish Notice of Public Hearing and Notice of Intention of adoption of Ordinance No. 2020-21 for the November 18, 2020 Regular Board Meeting (Action Calendar).

ITEM 4: 2020 UPDATE TO THE ORANGE COUNTY OPERATIONAL AREA AGREEMENT OF THE COUNTY OF ORANGE AND POLITICAL SUBDIVISIONS

Mr. Paludi presented this matter for Committee consideration and review, and he provided background on this matter for Committee review. Mr. Paludi reported to the Committee that the Operational Area (OA) Agreement is required to be adopted by cities and agencies within each individual jurisdiction, which includes the District, and he added that the Orange County Board of Supervisors approved the OA Agreement on March 24, 2020. The Committee inquired on the status of District Legal Counsel review of the OA Agreement; Mr. Paludi reported that legal counsel reviewed the proposed OA Agreement earlier in the year.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors authorize Trabuco Canyon Water District to sign the 2020 Orange County Operational Area Agreement (Action Calendar).

ITEM 5: APPLICATION FOR THE U.S. BUREAU OF RECLAMATION'S WATERSMART GRANTS PROGRAM FOR AN ADVANCED METERING INFRASTRUCTURE (AMI) IMPLEMENTATION PROJECT

Mr. Paludi presented this matter for Committee review, and he provided a brief review of District staff efforts to date identifying certain grant funding opportunities for District projects. Mr. Paludi reported that District staff has worked with Soto Resources to assist with the preparation of the proposed application for the U.S. Bureau of Reclamation (USBR) WaterSmart Grant Program. Mr. Perea provided a brief review of the grant application process and funding groups, and he identified areas of cost savings through the implementation of an AMR/AMI metering system. Mr. Paludi added that USBR requires the governing board of the applicant agency to adopt a resolution in support of the project. Discussion occurred concerning the types of meters currently integrated in the District's service area and customer access to metering data.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors adopt Resolution No. 2020-1283 – Resolution of the Board of Directors of the Trabuco Canyon Water District Authorizing the Submittal of an Application for the WaterSMART: Water and Energy Efficiency Grants for 2020 and 2021 (Action Calendar).

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**ITEM 6: SADDLEBACK MEADOWS DEVELOPMENT (181 DU's) – HARRIS GRADE RESERVOIR FEASIBILITY STUDY
DRAFT REPORT**

Mr. Paludi presented this matter for Committee review. Ms. Lausten provided an update on this development-related matter, and she commented that Mr. Bush and Mr. Bohn were in attendance to review the DRAFT Harris Grade Reservoir Feasibility Report with the Committee and to answer any related questions. Discussion occurred concerning potential construction challenges and associated costs and project impacts. Director Dopudja commented on the design of the proposed 2-million-gallon tank option. Director Chadd asked if there was a compelling reason for the project due to the known access and environmental constraints, as well as high-fire zone issues. Discussion occurred concerning the evaluation of alternative suitable locations for a reservoir. The Committee recommended that District staff evaluate the feasibility of constructing a reservoir on the District's Porter Property and to bring the matter back to the Committee for review.

RECOMMENDED ACTION:

There was no action taken on this matter.

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. District Asset Management

Mr. Paludi reported that the current contract for consultant services for this matter had been suspended. Discussion occurred concerning the District's existing Computerized Maintenance Management System (CMMS) for monitoring District assets, including equipment and facilities.

2. The Oaks at Trabuco Development

Mr. Paludi provided a brief update concerning this matter, and he mentioned that District staff will be meeting with the developer concerning the renewal of the existing sludge hauling agreement. Discussion occurred concerning District staff concerns with the onsite wastewater treatment facility and ongoing operational costs.

3. SWRCB and PFAS Sampling

Mr. Paludi introduced this matter for informational purposes. Ms. Lausten provided brief review of the State Water Resources Control Board (SWRCB) regulatory updates related to PFAS sampling, and she reported that the District is required to complete this sampling during the fourth quarter of 2020, and then on a quarterly basis, for the Robinson Ranch Wastewater Treatment Plant influent sewage. Ms. Lausten added that the associated testing costs are anticipated to be approximately \$3200 per month.

4. Santiago Canyon Road Improvements

Ms. Lausten provided a brief update and project overview on this Orange County Public Works (OCPW) project impacting certain portions of the District's service area.

5. Other Projects

None.

RECOMMENDED ACTION

Committee to receive project status updates at time of the Committee Meeting.

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ITEM 8: WATER SYSTEM UPDATES

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

1. Water Operations staff worked with TESCO Controls to put Ridgeline Pump Station into normal operation and restarted Dimension Water Treatment Plant
2. Water Operations staff worked with the Meter Department to replace four, two-inch meters in the Santiago Estates Community.
3. Water Operations staff shut down the Trabuco Creek Ground Water Treatment Facility for 2020.
4. Water Operations staff flushed 66 hydrants in the Robinson Ranch Community.
5. Water Operations staff assisted the Meter Department and repaired a one-inch service on Mountain Laurel in the Dove Canyon Community.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee. Mr. Paludi reported that District staff met with Santiago Canyon Estates Community Homeowner Association representatives and Property Manager concerning certain possible irrigation system failures and leaks, as well as, providing account adjustments in accordance with District policy and water use efficiency rebate information.

RECOMMENDED ACTION

The Committee received the status update.

ITEM 9: WASTEWATER SYSTEM UPDATES

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

1. Wastewater Operations staff worked with TESCO Controls on the Dove Recycled Water Pump Station start up, including meeting virtually to review the equipment programming and controls.
2. Wastewater Operations staff work Southern California Edison (SCE) to provide temporary power at the Robinson Ranch Wastewater Treatment Plant (WWTP) during an unplanned emergency power outage due to SCE infrastructure failure.
3. Wastewater Operations standby staff responded to an unnoticed SCE Rolling Blackout event on Friday, August 14th.
4. Wastewater Operations staff worked with Solar Bee to perform the annual maintenance of the Dove Lake mixers.
5. Wastewater Operations staff worked with Maintenance Department staff to clean up Dove Lake after a minor turnover event.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary with the Committee. Mr. Perea briefly reviewed the changes to the recycled water report consistent with the District's Non-Domestic Water Allocation Policy. Discussion occurred concerning the dry season recovery facilities.

RECOMMENDED ACTION

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

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ITEM 10: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for August 2020, and he provided the additional highlights:

1. Maintenance Department staff conducted Belt Press repairs, piping leaks, polymer system repairs, wash water pump coupling repair, along with the flow control valve upgrade.
2. Maintenance Department staff assisted with the blower room WAS pump rehab project, which is half-way complete, and installed new isolation valves
3. Maintenance Department staff worked with Hydrotech Electric to clean and repair damaged electrical lines, general vault repair, and prepping to remove the old Wastewater Operations electrical control panel.
4. Maintenance Department staff assisted Hydrotech Electrical on prepping to RNR old MCC panel for the Belt Press.
5. Maintenance Department staff procured and was able to test drive the new Ford F-650 dump truck to replace the current Kenworth dump truck.
6. Maintenance Department staff prepared vehicles and equipment for auction.
7. Maintenance Department staff prepared for the scheduled power outage at Robinson Ranch Wastewater Treatment Plant and SCE completed the required underground repair on the Wastewater Treatment Plant access road.
8. Maintenance Department staff continued to work and conduct testing at Dove Reclaim Booster Pump Station.
9. Maintenance Department staff assisted the Domestic Water Department at Topanga Booster Pump Station with hydro-tank operations

Mr. Paludi mentioned the vehicle report will be provided to the Finance/Audit Committee.

RECOMMENDED ACTION

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

ITEM 11: OTHER MATTERS/REPORTS

There were no other matters or reports provided to the Committee.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Dopudja adjourned the September 2, 2020 Engineering/Operational Committee Meeting at 8:36 AM.