



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | JUNE 2, 2021

DIRECTORS PRESENT

Ed Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

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

PUBLIC PRESENT VIA CONFERNECE CALL

None

CALL MEETING TO ORDER

Director Mandich called the June 2, 2021 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

Director Dopudja expressed his hopes that District staff had an enjoyable extended weekend.

Director Mandich echoed Director Dopudja's comment.

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(s) be forwarded to the Board of Directors for approval (Consent Calendar).

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ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Ms. Lausten provided brief project status update to the Committee, and she highlighted the project construction report that was included for Committee review. Ms. Lausten reported on project change orders to date, and she delivered a presentation which reviewed the witness inspection and pump colling jacket repair of two new pumps for the station rehabilitation project. Ms. Lausten added that the manufacturer has provided a five-year extended warranty for the full replacement of the pumps in the event of failure.

Mr. Paludi provided a handout that highlighted the updated security fence improvements that incorporated feedback and general input from the neighboring property owner. Discussion occurred concerning site security and aesthetics preservation.

RECOMMENDED ACTION:

The Committee received the status update.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING HERITAGE SEWER LIFT STATION IMPROVEMENTS

Mr. Paludi introduced this matter to the Committee, and he reported that a budget for facility security improvements was scheduled for Fiscal Year 2020/2021, but that District staff recommends certain critical operational improvements. Ms. Lausten presented a handout which provided an overview of the identified issues, and she reviewed the facility photos. Ms. Lausten recommended contracting with JIG Consultants for engineering services related to improvements to the onsite bypass structure. Discussion occurred concerning certain assumptions in the proposed scope of work and facility characteristics.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors authorize the General Manager to ratify a Contract with JIG Consultants for Engineering Services for Heritage Lift Station Bypass and Piping Improvements in the amount of \$43,440 (Action Calendar).

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING GOLF CLUB SEWER LIFT STATION IMPROVEMENTS

Mr. Paludi introduced this matter for Committee review, and he reported that District staff has completed certain minor improvements at this facility, but that more essential repairs and work is needed. Mr. Perea presented project and equipment photos that demonstrated the condition of the onsite motor control center (MCC), as well as the condition of the wet well coating and appurtenances. Mr. Perea added that the surge tank at this facility and other sewer lift stations will be inspected for repair and/or replacement. Discussion occurred concerning additional electrical work that staff will bring back to the Committee for consideration.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors authorize the General Manager to ratify a Contract with Hydrotech Electric for Golf Club Lift Station Motor Control Center Replacement in the amount of \$279,340 with a contingency of \$27,934, for a total not-to-exceed amount of \$307,274 (Action Calendar).

ITEM 5: PUBLIC HEARING AND ADOPTION OF TRABUCO CANYON WATER DISTRICT'S 2020 URBAN WATER MANAGEMENT PLAN (UWMP), WATER SHORTAGE CONTINGENCY PLAN, AND 2015 UWMP ADDENDUM

Mr. Paludi presented this matter to the Committee, and he highlighted the benefits of contracting through the Municipal Water District of Orange County (MWDOC) with the project consultant Arcadis to meet this regulatory requirement. Mr. Paludi briefly reviewed the Department of Water Resources (DWR) requirements for the 2020

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Urban Water Management Plan (UWMP), including the Addendum to the 2015 UWMP and the adoption of an updated Water Shortage Contingency Plan (WSCP). Discussion occurred concerning certain conservation requirements proposed in the WSCP.

RECOMMENDED ACTION:

The Committee recommended that the Board of Directors take the following actions at the June 16, 2021 Regular Board Meeting (Action Calendar):

1. Conduct a Public Hearing to receive public comments related to the approval and adoption of the 2020 Urban Water Management Plan (UWMP) Update, Water Shortage Contingency Plan (WSCP), and 2015 UWMP Addendum.
2. Adopt Resolution No. 2021- 1290 - Resolution of the Board of Directors of Trabuco Canyon Water District 3. Adopting the District’s Addendum to the 2015 UWMP to Add Appendix C – Reduced Delta Reliance Reporting.
3. Adopt Resolution No. 2021-1291 – Resolution of the Board of Directors of the Trabuco Canyon Water District Adopting the District’s Revised WSCP.
4. Adopt Resolution No. 2021-1292 – Resolution of the Board of Directors of the Trabuco Canyon Water District Adopting the District’s 2020 UWMP Update.

ITEM 6: PURCHASE OF A CUMMINS EMERGENCY PORTABLE 275KW DIESEL GENERATOR

Mr. Paludi introduced this matter for Committee review, and he reported that the District has received grant funding towards the purchase of a trailer-mounted backup power generator. Mr. Stroud reported that District staff has procured two proposals for an AQMD/CARB Tier 4 compliant generator. Discussion occurred concerning fuel transfer options and potential future grant funding opportunities.

RECOMMENDED ACTION:

The Committee recommended that the Board of Directors ratify the purchase of one Cummins Emergency Portable 275KW Diesel Generator for equipment for \$173,981 plus approximately 10% as contingency for a total not-to-exceed amount of \$190,000 (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. SCADA Project Update

Ms. Lausten provided a brief project status update, and she reported that TESCO Controls and Hydrotech Electric have scheduled the installation of the SCADA antenna repeater equipment at the Joplin Youth Camp reservoir site. Discussion occurred concerning recent SCADA system communication challenges system-wide that District staff will review with TESCO Controls.

2. Other Projects

Ms. Lausten provided an update related to the Silvertree Land pipeline replacement project, and she presented current photos of the street asphalt repairs since the repair was completed approximately six months ago. Ms. Lausten reported the City of Rancho Santa Margarita has scheduled the resurfacing of the street in the near future, and she recommended no further street repairs.

Ms. Lausten provided an update on the District’s GIS mapping system and presented updated system maps for Committee review and comment. Discussion occurred concerning the addition of certain facility information.

Ms. Lausten provide a brief update on the Computerized Maintenance Management System (CMMS) proposal review process, and she reported that District staff has identified a proposer shortlist based on system

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demonstrations and interviews. Ms. Lausten added that more information will be presented at the next Committee meeting.

RECOMMENDED ACTION

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

ITEM 8: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for May 2021, and he provided the additional highlights:

1. Water Operations staff worked with DMc Engineering to locate and map all water lines at the intersection of El Toro Road and Ridgeline Road leading to the OC Rescue Mission Double R Ranch.
2. Water Operations staff worked with Water System Optimization, to conduct volumetric testing at the Dimension Water Treatment Plant.
3. Water Operations staff replaced a waste valve on Filter #1 at the Dimension Water Treatment Plant.
4. Water Operations staff replaced a six-inch check valve on the 2 CFS pump at the Plano Trabuco Pump Station.

Mr. Kessler expressed his appreciation for Ms. Warner and Ms. Sangi in assisting in the preparation of the 2020 Annual Report to the State Water Resources Control Board. Mr. Kessler reported that an updated Monthly Water System Operations Summary would be provided to the Committee at a later date as reads were captured on the first of the month.

RECOMMENDED ACTION

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

ITEM 9: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for May 2021, and he reported that Wastewater Operations staff had completed the following tasks:

1. Drained and cleaned the Influent Equalization Basin (NEQ) at the Robinson Ranch Wastewater Treatment Plant (WWTP).
2. Drained, cleaned, and performed aeration system repairs on the WWTP East Sequencing Batch Reactor (SBR).
3. Installed a new polymer pump for the Sludge Dewatering Belt Press at the WWTP.
4. Cleaned and removed an old unused filter tank with the assistance of third-party crane company.
5. Assisted Water Operations with V-Ditch cleaning at Dimension Water Treatment Plant.
6. Worked with SS Mechanical on the Barneburg Sewer Lift Station rehabilitation project.
7. Met with the Division of Dam Safety for the annual inspection of the Trabuco Dam/Dove Lake Dam, including emergency drain valve exercise.

Mr. Perea reported that a Monthly Wastewater System Operations Summary would be provided to the Committee at a later date as reads were captured on the first of the month. Mr. Perea reported that Wastewater Operations staff with the assistance of OC Pumping responded to full tanks at the Crystal Canyon WWTP due to the failure of a residential water softener system.

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 May 2021, and he provided the additional highlights:

1. Maintenance Department staff worked with Hydrotech Electric on the electrical improvements at the Robinson Ranch Wastewater Treatment Plant.
2. Maintenance Department staff conducted weed abatement at Robinson Ranch Wastewater Treatment Plant and Porter Ranch property.
3. Maintenance Department staff installed new plumbing and a polymer pump for the Filter Belt Press at the Robinson Ranch Wastewater Treatment Plant.
4. Maintenance Department staff finished the upgrade with the Water Operations new District fleet vehicle, Ford F250.
5. Maintenance Department staff assisted Flo-Services with the electric install on the north side of the El Toro Sewer Lift Station, which is now 90% complete.
6. Maintenance Department staff has completed the EMASS program with TESCO Controls.
7. Maintenance Department staff participated in the Interview process for new CMMS program for Asset Management and a GIS program.
8. Maintenance Department staff assisted with office remodel at the Districts Administration Facility.
9. Maintenance Department staff worked with AT&T to repair a damaged phone line at the Falcon Booster/Santiago Lift Station.
10. Maintenance Department staff worked with Hydrotech Electric on the preparations for the upcoming SCADA improvements.

RECOMMENDED ACTION

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

ITEM 11: OTHER MATTERS/REPORTS

None.

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the June 2, 2021 Engineering/Operational Committee Meeting at 8:16 AM.