



**TRABUCO CANYON WATER DISTRICT
ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | OCTOBER 7, 2020**

DIRECTORS PRESENT

Ed Mandich, Committee Chair
Stephen Dopudja, Committee Member

DIRECTORS ABSENT

None

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
Tony Quinonez, Lead Mechanical Technologist

PUBLIC PRESENT

None

PUBLIC VIA CONFERNECE CALL

None

CALL MEETING TO ORDER

Director Mandich called the October 7, 2020 Engineering/Operational Committee Meeting to order at 7:02 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 commended District Operations and Maintenance staff for their hard work on the emergency pipeline repairs on Silvertree Lane.

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

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

ITEM 2: BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Mr. Paludi introduced this matter for Committee review. Ms. Lausten briefly reviewed the updated project schedule, and she mentioned that the contractor is scheduled to mobilize in December. Ms. Lausten provided an update on project costs to date, and she reported that the project budget built-in contingency has been used for the construction fence upgrade and the costs associated with deepening the wet well by two additional feet. Mr. Paludi provided a brief update on public outreach related to the project timeline for completion.

RECOMMENDED ACTION

There was no action taken.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING TRABUCO CANYON WATER DISTRICT'S SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM UPGRADE PROJECT

Mr. Paludi introduced this matter for Committee consideration and review, and he mentioned that this project is a Fiscal Year 2020/2021 Capital Improvement Project (CIP). Ms. Lausten delivered a PowerPoint presentation which highlighted the SCADA upgrade work completed to date, and she highlighted that the Fiscal Year 2020/2021 budget for this phase of the upgrade project is \$600,000. Discussion occurred concerning certain hardware and software components and the results of the radio frequency study.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors authorize the General Manager to execute a contract for the Fiscal Year 2020-2021 SCADA Upgrades to TESCO Controls, Inc. in the not to exceed amount of \$580,120 (Action Calendar).

Director Mandich recused himself from discussion on the following matters by physically leaving the Board Room at approximately at 7:17am

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) RELATED TO THE PROPOSED PALOMA SQUARE DEVELOPMENT (DOVE CANYON PLAZA) AND OTHER RELATED MATTERS

Mr. Paludi introduced this matter for Committee consideration. Ms. Lausten provided a brief update concerning the contract for District's Administrative Facility Parking Study, and she reported that Albert Grover and Associates has sold their assets and book of business to AGA Engineers, Inc due to the retirement of the owner. Ms. Lausten added that AGA Engineers, Inc has provided an Assumption and Assignment of Contract from Albert Grover & Associates to AGA Engineers.

RECOMMENDED ACTION:

The Committee recommended the Board of Directors authorize the General Manager to execute the Assumption and Assignment of Contract from Albert Grover and Associates to AGA Engineers, Inc. (Action Calendar).

Director Mandich returned to the Board Room at approximately 7:19am and resumed his participation on the remaining business.

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ITEM 5: SADDLEBACK MEADOWS DEVELOPMENT (181 DU's) – HARRIS GRADE RESERVOIR FEASIBILITY STUDY DRAFT REPORT

Mr. Paludi introduced this matter for Committee consideration. Director Mandich requested that the matter concerning the Harris Grade Reservoir Feasibility Study and the analysis of Porter Property as a suitable location for a reservoir to be a separate agenda item. Ms. Lausten presented a proposal from Tetra Tech for Porter Property Planning Level Construction Cost Estimate, and she reported that the proposed costs are within the project contingency. Discussion occurred concerning the scope of work; Ms. Lausten reported that the work was primarily conceptual and did not include geotechnical work.

RECOMMENDED ACTION:

The Committee recommended forwarding the matter to the Board of Directors for consideration (Action Calendar).

ITEM 6: SKYRIDGE AT LENNAR HOMES OF CALIFORNIA, INC. – ACCEPTANCE OF WATER, NON-DOMESTIC WATER, AND SEWER FACILITIES CONSTRUCTED IN TRACT NO. 17392 AND OFF-SITE IMPROVEMENTS

Ms. Lausten presented this matter for Committee consideration and review, and she commented that this matter was missed by District staff and is required by the District's General Policy. Discussion occurred concerning certain pipeline classification and water pressure levels in the development.

RECOMMENDED ACTION(S):

The Committee recommended the Board of Directors accept water, non-domestic water, and sewer facilities constructed in Tract No. 17392 and Off-Site Improvements (Skyridge by Lennar Homes of California) by resolution (Action Calendar).

ITEM 7: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. The Oaks at Trabuco Development

Mr. Paludi reported that District staff and legal counsel met with the Developer and their legal counsel concerning the renewal of the sewer hauling agreement. Discussion occurred concerning certain agreement terms and conditions. Mr. Paludi added that a closed session will be agendized for the October 21st Regular Board Meeting concerning this matter.

2. Calendar Year 2019 Water Loss Audit

Ms. Lausten provided a brief update concerning this matter, and she mentioned that the 2019 Water Audit was submitted on September 30, 2020. Ms. Lausten reported that the final report will be reviewed with the Committee upon completion.

3. Cell Site Management Agreement

Ms. Lausten introduced this matter, and she provided a brief review of the existing agreement between the District and T-Mobile. Ms. Lausten reported that T-Mobile has indicated that their onsite equipment requires improvement, including the installation of two new antennas. Ms. Lausten mentioned that District staff is coordinating with the third-party liaison to fulfill T-Mobile's requests.

4. Trabuco Creek Bridge Rehabilitation Project

Ms. Lausten provided a brief update and reviewed the exhibit for the bridge on this Orange County Public Works (OCPW) project. Ms. Lausten reported that OCPW has requested that the District to pay for potholing costs. Discussion occurred concerning the project timeline and potential impacts.

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5. Silvertree Lane Pipeline Replacement

Ms. Lausten reviewed the construction bid comparison for Committee review, and she mentioned that potholing portion of the project will finish up by end of business day. Discussion occurred concerning of impact of paving costs.

6. Other Projects

None.

RECOMMENDED ACTION

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

ITEM 8: DISCUSSION CONCERNING CALIFORNIA AIR RESOURCES BOARD (CARB) TRUCK REGULATIONS, COMPLIANCE, AND REPORTING SYSTEM IMPACTS TO DISTRICT HEAVY-DUTY FLEET VEHICLES

Mr. Paludi introduced this matter, and he mentioned that this was requested last month by the Engineering/Operational Committee. Mr. Perea commended Mr. Stroud and Mr. Quinonez for their work maintaining the District's fleet and ensuring regulatory compliance with the California Air Resource Board (CARB) and South Coast Air Quality Management Board (AQMD). Mr. Perea briefly reviewed the regulatory impacts on heavy duty diesel vehicles and equipment by CARB, and he highlighted certain areas where the District has strategically disposed of and replaced equipment that did not meet CARB regulations. Mr. Stroud reviewed the District's heavy-duty diesel fleet vehicles, and he related past experiences with vehicle modifications to meet the stringent requirements which ultimately resulted in damaging the equipment. Discussion occurred concerning the potential impacts of the Governor's Executive Order No. N-79-20, and District plans for future vehicle and equipment purchases.

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee Meeting. No action required.

ITEM 9: WATER SYSTEM UPDATES

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

1. Water Operations staff flushed 70 hydrants in the Robinson Ranch Community and Canyon Community.
2. Water Operations staff replaced one hydrant on Robinson Ranch Road in the Robinson Ranch Community.
3. Water Operations staff made multiple repairs on water main locate on Silvertree Lane in the Trabuco Highlands Community.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee. He mentioned that there has been no purchase of water. The Wells are offline, and operations staff are making minor repairs.

RECOMMENDED ACTION

The Committee received the status update.

ITEM 10: WASTEWATER SYSTEM UPDATES

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

1. Wastewater Operations staff completed the annual methods proficiency testing for the renewal of State Laboratory Certification.
2. Wastewater Operations staff completed the Dove/Robinson Ranch seven-day testing period.

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3. Wastewater Operations staff drained and cleaned the West Sequencing Batch Reactor (SBR) at the Robinson Ranch Wastewater Treatment Plant (WWTP) in order to complete repairs to the aeration system.
4. Wastewater Operations staff assisted Vaughan Industries on the installation of the West SBR Jet Pump System valves.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary and the Sewer System Monitoring Plan (SSMP) 3rd Quarter Report with the Committee. Mr. Perea highlighted the repairs made to the Sludge Dewatering Press at the WWTP. Discussion occurred concerning the correlation between non-domestic water demands and energy demands; Director Dopudja requested that District staff analyze the correlation impacts.

RECOMMENDED ACTION

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

ITEM 11: MAINTENANCE DEPARTMENT UPDATES

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

1. Maintenance Department staff worked with Hydrotech Electrical on the installation of the Belt Press Building Motor Control Center (MCC) Panel.
2. Maintenance Department staff worked with Vaughan Industries on the installation of the West SBR Jet Pump System valves.
3. Maintenance Department staff worked with Hydrotech Electrical on the installation of new LED overhead lighting for the WWTP Maintenance Building and Plano Trabuco Sewer Lift Station.
4. Maintenance Department staff worked with Flo-Services on the installation of high flow pump at Topanga Booster Pump Station.
5. Maintenance Department staff coordinated the delivery of vehicles approved for disposal with Ritchie Brothers Auction Services.
6. Maintenance Department staff received and prepared the new Ford F650 Dump Truck for service.

RECOMMENDED ACTION

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

ITEM 12: OTHER MATTERS/REPORTS

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

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the October 7, 2020 Engineering/Operational Committee Meeting at 8:11 AM.