



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

DIRECTORS PRESENT

Ed Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT VIA CONFERENCE CALL

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

PUBLIC PRESENT VIA CONFERENCE CALL

None

CALL MEETING TO ORDER

Director Mandich called the December 2, 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 reported the Board President has recommended all future public meetings be held virtually due to the increased spread of COVID-19 in the County.

Mr. Paludi provided a brief update on the impacts of the recent Southern California Edison (SCE) Public Safety Power Shutoff, and he commended the efforts of the Water Emergency Response Organization of Orange County (WEROC) staff for assisting the District with mutual aid for a mobile backup power generator for the Falcon Booster Pump Station.

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).

Director Mandich recused himself from meeting business and exited to the Board Room at approximately 7:05 am.

ITEM 2: DISCUSSION AND POSSIBLE ACTION(S) RELATED TO THE PROPOSED PALOMA SQUARE DEVELOPMENT (DOVE CANYON PLAZA) AND OTHER RELATED MATTERS

Mr. Paludi presented this matter for Committee consideration, and he reported that District staff has not been contacted by any of the parties involved with this matter. Ms. Lausten presented the DRAFT Parking Capacity Study performed by AGA Engineers for Committee review, and she reported that the traffic counts correlate with the number of people. Discussion occurred concerning certain elements of the Study.

RECOMMENDED ACTION:

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

Director Mandich returned to the Board Room at approximately 7:18am and resumed his participation on the remaining business.

ITEM 3: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING PORTER PROPERTY RESERVOIR PLANNING LEVEL CONSTRUCTION COST ESTIMATE

Mr. Paludi presented this matter for Committee consideration, and he reported that District staff is currently working with Tetra Tech Engineering on this project. Ms. Lausten provided a brief review of the schedule with the Committee, and she mentioned that a DRAFT report will be presented to the Committee for review in January 2021.

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee Meeting.

ITEM 4: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Ms. Lausten provided a brief project update for the Committee, and she presented an updated project schedule for Committee review. Discussion occurred concerning mobilization timeline and residential traffic impacts and concerns. Ms. Lausten reported that District staff has consulted with Orange County Fire Authority (OCFA) and Dove Canyon Master Association (DCMA)

RECOMMENDED ACTION:

Committee to receive information at the time of the Committee Meeting.

ITEM 5: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING TRABUCO CANYON WATER DISTRICT'S SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA) SYSTEM UPGRADE PROJECT

Ms. Lausten provided a brief project status update, and she reviewed an updated project schedule with the Committee. Mr. Paludi reported that District staff has been working with Orange County Public Works (OCPW) to upgrade the existing repeater antenna located on the onsite reservoir tank, and he briefly discussed the associated challenges. Director Mandich recommended forwarding this matter to the Board for further discussion and action.

RECOMMENDED ACTION:

The Committee recommended forwarding this matter to the Board of Directors for further discussion and possible action (Action Calendar).

ITEM 6: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE PROPOSED BARNEBURG SEWER LIFT STATION DRY PIT PIPING REPAIRS AND INSTALLATION

Mr. Paludi introduced this matter for Committee review, and he mentioned that this project was previously reviewed with the Finance/Audit Committee. Mr. Perea provided a brief overview of the planned repairs at the facility, and he reported that District staff have updated the project scope of work and requested updated proposals from the preferred vendors. Mr. Perea recommended the Board of Directors approve a contract with SS Mechanical for the planned facility repairs. Director Mandich recommended forwarding the matter the Board of Directors for further discussion and possible action.

RECOMMENDED ACTION:

The Committee recommended forwarding this matter to the Board of Directors for further discussion and possible action (Action Calendar).

ITEM 7: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE DIMENSION WATER TREATMENT PLANT WASTE TANKS AND BACKWASH SUMP PUMP REPLACEMENT

Mr. Paludi presented this matter for Committee consideration. Ms. Lausten delivered a PowerPoint presentation which provided an overview of the condition of the backwash tanks at Dimension Water Treatment Plant (DWTP). Ms. Lausten reported that District staff has requested proposals from preferred vendors for the replacement of the onsite tanks and associated backwash pumps, and she recommended forwarding this matter to the Board of Directors for further discussion and possible action.

RECOMMENDED ACTION:

The Committee recommended forwarding this matter to the Board of Directors for further discussion and possible action (Action Calendar).

ITEM 8: DISCUSSION AND POSSIBLE ACTION(S) CONCERNING THE OAKS AT TRABUCO, LLC ENGINEERING STUDY

Mr. Paludi provided a brief update on this matter for Committee review, and he reported that District staff is currently preparing a scope of work for an engineering study on the condition of the onsite wastewater treatment facility at the The Oaks at Trabuco development. Discussion occurred concerning the study scope of work and timeline for completion. Director Mandich recommended to bring this matter back to the Committee at a later date.

RECOMMENDED ACTION:

The Committee took no action on this matter.

ITEM 9: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Saddle Crest Development

Mr. Paludi introduced this matter for Committee review, and he provided a brief review of the ongoing discussions with the developer. Discussion occurred concerning facility testing/acceptance process and the potential impacts of certain legal changes in ownership.

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2. Heritage Lift Station Site and Security Improvements

Ms. Lausten presented this project for Committee review, and she mentioned this project was budgeted for Fiscal Year 2020/2021. Ms. Lausten reported that this project includes grading, paving, and the construction of a security wall and access gate.

3. Asset Management/Condition Assessment Study

Mr. Paludi provided a brief update on this project, and he mentioned that District staff would like to contract with an independent, third-party consultant to provide a global evaluation of the CMMS, SCADA, GIS, and system modeling software solutions.

4. Silvertree Lane Pipeline Replacement

Ms. Lausten provided a brief update on this project, and she reported that the infrastructure improvements for this project are completed and that only the paving improvements remain. Mr. Paludi complimented District staff for their hard work on this project.

5. Trabuco Creek Bridge Replacement

Ms. Lausten provide a brief update on this OCPW bridge/road alignment project, and she presented a handout with the approved design and impacts for Committee review.

6. Other Projects

There were no other project updates reported.

RECOMMENDED ACTION

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

ITEM 10: WATER SYSTEM UPDATES

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

1. Water Operations staff worked with contractor, Southwest Hydrotech and serviced 5 PRV's throughout the District service area.
2. Water Operations staff flushed 19 fire hydrants in the Sky Ridge Community (this completes flushing for this cycle).
3. Water Operations staff repaired a struck air vac on Wood Canyon located in the Santiago Estates Community (again).
4. Water Operations staff worked with contractor, Ferreira Construction to finish the installation of new water main on Silvertree Lane.

Mr. Kessler reviewed the Monthly Water System Operations Summary with the Committee, and he provided a brief update on fire hydrant flushing efforts during the prior month. Mr. Kessler reported that Ridgeline Booster Pump Station experienced shut down/start up issues during the SCE PSPS which resulted in Cooks Reservoir spilling overnight.

RECOMMENDED ACTION

The Committee received the status update.

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ITEM 11: WASTEWATER SYSTEM UPDATES

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

1. Wastewater Operations staff worked with Maintenance Department staff to replace the failed West Sequencing Batch Reactor (SBR) Hoffman Blower.
2. Wastewater Operations staff modified/upgraded the Duckweed Barrier System to improve the aesthetic appearances of Dove Lake.
3. Wastewater Operations staff worked with Maintenance Department to assist Duthie Power Services on repairs to the WWTP Backup Power Generator.
4. Wastewater Operations staff responded to a possible sewer odor issues in the Portola Hills Service Area; Operations cleaned the sewer line and found no issues.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary, and he reported that Mr. Travis Jones, Wastewater Operations Chief Plant Operator, had recently resigned from the District; Mr. Perea reported that Mr. Oscar Ulloa had been promoted to Chief Plant Operator position.

RECOMMENDED ACTION

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

ITEM 12: MAINTENANCE DEPARTMENT UPDATES

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

1. Maintenance Department staff assisted Harbor Pointe Air Control with the Air Condition project inside the blower room at the Wastewater Treatment Plant.
2. Maintenance Department staff office remodel partially complete.
3. Maintenance Department staff assisted Duthie Power Services with the standby generator repairs done at the Topanga Booster pump station, Barneburg Sewer lift station, and Wastewater Treatment Plant.
4. Maintenance Department staff assisted Hydrotech Electric with the electrical repairs noted from the EMASS Program

RECOMMENDED ACTION

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

ITEM 13: 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 December 2, 2020 Engineering/Operational Committee Meeting at 8:09 AM.