

MINUTES OF THE REGULAR MEETING  
& OF THE  
ENGINEERING COMMITTEE MEETING

July 22, 2024

At approximately 7:52 a.m. Director Freshley called the Engineering Committee meeting to order.

Committee Members MARK MONIN, MIKE GASKINS, KAY HAVENS, KATHRYN FRESHLEY, and FRED ADJARIAN participated.

Also participating were DENNIS P. CAFFERTY, General Manager, VISHAV SHARMA, CFO, JUDY CIMORELL, Director of Human Resources, HANNAH FORD, Director of Engineering, SCOTT HOPKINS, Operations Superintendent, GILBERT J. GRANITO, General Counsel, MIKE MIAZGA, IT Manager (Zoom), MICHAEL SNOW, Chief Plant Operator, SHERRI SEITZ, Public Affairs Manager (Zoom), VICKI TANIOUS, Senior Accountant/Payroll (Zoom), CAROL MOORE, Laguna Woods City Council Member (Zoom), and MARISOL MELENDEZ, Recording Secretary.

Consent Calendar

Director Freshley asked for a Motion.

Motion: Director Adjarian made a Motion, seconded by President Monin to approve the Consent Calendar.

Roll Call Vote:

Director Adjarian	aye
Director Freshley	aye
Director Havens	aye
Vice President Gaskins	aye
President Monin	aye

## Engineering Action Items

### Resolution No. 24-7-1 Effluent Transmission Main Aliso Creek Crossing Mitigation

### Project FEMA Hazard Mitigation Grant Program Application Match Commitment

#### Documentation

Mrs. Ford stated that the Effluent Transmission Main that takes the District's and IRWD's treated wastewater to the Aliso Creek Ocean Outfall has a concrete encasement that has become exposed due to many years of natural erosion. She further stated that the originally proposed rip-rap stabilization measures lead to reoccurrence of the issue and regulators have asked the District to look at alternative solutions. Mrs. Ford stated that micro tunneling is the best alternative solution but is more expensive; the District would like to pursue FEMA Hazard Mitigation Grant Program (HMGP) funding to offset the majority of the difference in cost. She further explained the federal cost share would be approximately 66 percent and the remainder would be split 50/50 between the District and IRWD. Mrs. Ford additionally stated the agreement documents the District's commitment to match the nonfederal cost share and the Board's support.

Director Freshley asked how long FEMA will take to address the request. Mrs. Ford stated CAL OES will review the application within six months and it will then go to FEMA who will review within a year.

Director Freshley asked for a Motion.

Motion: Director Adjarian made a Motion, seconded by Director Havens to approve Resolution No. 24-7-1 Effluent Transmission Main Aliso Creek Crossing Mitigation Project FEMA Hazard Mitigation Grant Program Application Match Commitment Documentation.

Roll Call Vote:

Director Adjarian	aye
Director Freshley	aye
Director Havens	aye
Vice President Gaskins	aye
President Monin	aye

WRP Generator Radiator Replacement

Mrs. Ford explained that staff recommends replacement of the WRP Generator Radiator to uphold critical functions and operations of the WRP in the event of an emergency. She further stated that renting a standby generator is necessary during the radiator rehabilitation to ensure continued wastewater treatment in the event of a power outage.

Director Freshley asked for a Motion.

Motion: Director Adjarian made a Motion, seconded by President Monin to approve the WRP generator radiator replacement.

DAF No. 1 MCC Replacement

Mrs. Ford stated that DAF No. 1 MCC needs replacement due to corrosion on the electrical cabinet, the obsolescence of replacement parts, and to obtain an arc-flash resistant rating.

Director Freshley asked if the cabinet replacement would be stainless steel. Mrs. Ford replied yes.

Mr. Snow added that the MCC is located in a harsh environment.

Director Freshley asked staff to look into alternative material options. Mr. Cafferty stated staff will investigate less expensive options and requested approval of replacement as presented today. He further stated if staff determines that this option is the right investment, staff will proceed with project plans. All committee members agreed.

Director Freshley asked for a Motion.

Motion: President Monin made a Motion, seconded by Vice President Gaskins to approve DAF No. 1 MCC replacement.

Roll Call Vote:

Director Adjarian	aye
Director Freshley	aye
Director Havens	aye
Vice President Gaskins	aye
President Monin	aye

Additional Tertiary Filter Disks

Mrs. Ford stated that the WRP operates two tertiary filters with space for an additional four disks each. She further stated the additional disks would help increase filtration capacity and would also help reduce the overall load on disks which in turn extends useful life.

Director Freshley asked for a Motion.

Motion: Vice President Gaskins made a Motion, seconded by Director Havens to approve the additional tertiary filter disks.



New Service Contracts for R-6 Reservoir, New Warehouse/MPR, and Main Office Security Systems

Mrs. Ford stated the District recently awarded the construction of the new security systems by Convergent Technologies LLC (Convergent) for the New Warehouse site, and Johnson Controls, Inc. (JCI) currently provides security services at all sites except for the R-6 Reservoir and the Main Office cameras. She further stated that JCI has been serving the District for a long time on a month to month billing basis, and they would like to set up a long-term contract; however, District staff prefers to maintain coordination with only one security system vendor at each site where possible. Mrs. Ford stated that staff conducted an extensive evaluation, which resulted in this recommendation for 5-year contracts for support services with Convergent at the R-6 Reservoir, New Warehouse/MPR, and Main Office camera systems. She further stated that the New Warehouse/MPR costs have decreased by approximately \$8,000.00 from what is shown in the package.

Director Freshley asked for a Motion.

Motion: President Monin made a Motion, seconded by Vice President Gaskins to approve the new service contracts for R-6 Reservoir, New Warehouse/MPR, and Main Office Security Systems.

Roll Call Vote:

Director Adjarian	aye
Director Freshley	aye
Director Havens	aye
Vice President Gaskins	aye
President Monin	aye

## Engineering Information Items

### ETWD Operations Report

Mr. Hopkins stated that there was an update to the Lead and Copper Rule Revisions report on page 146 so that the locations are shown on the map. Mr. Cafferty added that the orange dots on the graph indicate the 542 out of 1,045 locations where field surveys have been completed.

Mr. Cafferty stated we are waiting for ELAP to finalize the BOD sampling re-certification.

### El Toro Water District Capital Project Status Report

#### Grit Chamber Rehabilitation

Mrs. Ford stated the contractor is now on site conducting their work and are on track to complete their work by the scheduled end date. She further stated that the District added construction management support to its contract from Carollo Engineers Inc. to assist the engineering team's workload constraints.

#### New Warehouse

Mrs. Ford stated the last change order was finalized and resulted in a net deduct of \$52,264.61 to the total Project cost. She further stated that staff continues efforts to coordinate construction timelines with Dumarco, MET, and AQMD.

#### WRP Main Electrical Power Breaker

Mrs. Ford stated that the third shut down was successfully administered, and the fourth pole was installed on the new ATSS, which closes out this project. She further added there are plans to potentially reuse the ATSS that were removed which would save on future costs.

#### Westline Lift Station Main Switchboard Replacement Project

Mrs. Ford stated that this is a new project that was budgeted in the new fiscal year. She further stated that the main switchboard was flagged as a high priority project and the purchase order for the replacement is less than \$30,000.00 but installation costs will be over \$100,000.00 and will be recommended for award to the Board in approximately one year once the switchboard arrives.

#### Lead and Copper Rule Revisions Compliance

Mrs. Ford stated that the external contractor will begin excavations today.

#### Aliso Creek Lift Station Rehabilitation Project

Mrs. Ford stated that design and Geotech analysis has begun, and the design team is working hard to develop the 60% design so that the District can pursue grant funding.

Director Gaskins asked if the District's system will be able to handle the increased capacity that the Laguna Hills Mall Project will incur, considering the additions will be mostly residential, and if it will affect the lift station project. Mrs. Ford stated, yes the Laguna Hills Mall Project will directly impact the design flow for Aliso Creek Lift Station, and she is waiting for a flow update from the developers.

Mr. Cafferty added that Laguna Hills Mall Project was originally proposed to include retail, professional office, and residential components; however, the professional office component may be replaced with additional residential, but the details have not been provided. He added that those details will be used to calculate discharge flow and to anticipate any impacts on District projects.

#### Headworks and Secondary Clarifier No. 1 Rehabilitation Project

Mrs. Ford stated that the District received 60% design submittal. She further stated that staff continues to use the free polymer test skid; full analysis will be done when the pilot is complete.

#### Northline Coating Improvement Project

Mrs. Ford stated that the project is scheduled to be wrapped up next week.

#### Engineering Items Discussed at Various Conferences and Meetings

There were no comments.

#### Comments Regarding Non-Agenda Engineering Committee Items

Director Freshley asked if there was a follow up on the investigation of the WRP battery storage system data. Mr. Cafferty stated this is an ongoing process and will report back when staff has received a fully informed answer.

#### Adjournment

There being no further business, the Engineering Committee meeting was adjourned at approximately 8:43 a.m.

Mr. Granito reported that there is a need for a Closed Session today on item two as reflected on today's agenda.

#### Closed Session

At approximately 8:47 a.m. the meeting went into a closed session. At this time, everyone left the meeting except for the Board members, general counsel, and the General Manager.

#### Regular Session

At approximately 9:38 a.m. regular session resumed. Also, at this time Mrs. Melendez returned to the meeting.



Attorney Report

Mr. Granito reported that no reportable action was taken during the closed session.

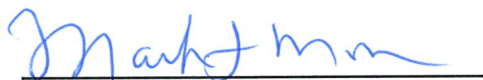
Adjournment


There being no further business to come before the Board, the meeting was adjourned at 9:39 a.m.

Respectfully submitted,

  
MARISOL MELENDEZ  
Recording Secretary

APPROVED:

  
MARK MONIN, President  
of the El Toro Water District and the  
Board of Directors thereof

  
DENNIS P. CAFFERTY, Secretary  
of the El Toro Water District and the  
Board of Directors thereof