

MINUTES OF THE REGULAR MEETING  
& OF THE  
ENGINEERING COMMITTEE MEETING

June 19, 2023

At approximately 9:10 a.m. Director Freshley called the Engineering Committee meeting to order.

Committee Members KAY HAVENS, KATHRYN FRESHLEY, MIKE GASKINS, JOSE VERGARA, and MARK MONIN participated.

Also participating were DENNIS P. CAFFERTY, General Manager, HANNAH FORD, Engineering Manager, GILBERT J. GRANITO, General Counsel, RORY HARNISCH, Project Engineer (9:50 a.m.), VISHAV SHARMA, CFO, CAROL MOORE, Laguna Woods City Council member (zoom), and POLLY WELSCH, Recording Secretary.

Consent Calendar

Director Freshley asked for a Motion.

Motion: Director Monin made a Motion, seconded by Director Gaskins and unanimously carried across the Board to approve the Consent Calendar.

Roll Call Vote:

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

Engineering Action Items

There were no action items.

## Engineering Information Items

### Asset Management Plan Digital Dashboard Demonstration

Ms. Ford stated that staff worked with Hazen and Sawyer (Hazen) to develop the Asset Management Plan's digital dashboard. She walked through a presentation demonstrating key features of the dashboard.

Ms. Ford stated that the next phase of the Asset Management Program will focus on the WRP. To wrap up the Pump Station Asset Management Plan, Hazen will submit a report documenting methodology and findings, and the District will take ownership of the PowerBI dashboards presented. Hazen and the District will also evaluate the computerized maintenance management system in order to integrate information for real-time updates of the condition scores for assets to automate remaining useful life calculations in real time.

### Capital Projects Status Report

#### R-6 Reservoir Floating Cover and Liner Replacement Project

Ms. Ford stated that the appurtenances for the control panels are not on schedule and are the most delayed piece. She further stated that filling of the Reservoir should not take place until these are installed. She stated that the existing control panels could be used to test valve operation prior to the new control panel arrival as a method to expedite schedule.

Ms. Ford stated that the dirt that was piled near the Reservoir has been reused at the Filter Building site for the hillside repairs.

Director Monin asked if we can consider gravel for the roadway instead of asphalt. Ms. Ford replied that staff will look into options.

Ms. Ford stated that staff investigated installing solar panels on the cover, but the cost of doing so, especially compared to the cost of electricity at the site, and ponding concerns caused by the additional weight of the panels on the cover would not work for this project.

#### Filter Building and Clearwell Demolition Project

Ms. Ford stated that the demolition and hillside repair are complete. She further stated that staff filed a Notice of Completion this month and plans to pay final retention and close out the project in July.

#### New Warehouse

Mr. Harnisch stated that staff executed a Construction Agreement and Notice to Proceed with the Contractor, Dumarc. He further stated that staff and the Engineer, Richard Brady & Associates (Brady), are in the submittal phase of the project and will hold the preconstruction meeting in June and continue working with Dumarc leading up to the September 1<sup>st</sup> construction start date.

#### DAF Unit 2 Retrofit and Rehabilitation

Mr. Harnisch stated that staff finalized construction bid documents in June and held a mandatory pre-bid meeting at the WRP with 3 prospective bidders in attendance. He further stated that bid opening is scheduled for July 12<sup>th</sup> via PlanetBids, and staff intends to recommend award at the July Board meeting.

Mr. Harnisch stated that staff issued a purchase order to the original equipment manufacturer, Ovivo, to pre-purchase long lead mechanical components back in December 2022. He further stated that staff approved the equipment submittal and released them for fabrication, and are scheduled for delivery in late September.

### Mathis Lift Station (Mathis) Inlet Repair

Mr. Harnisch stated that while attempting to remove a blockage from the influent drop pipe at the Mathis Lift Station, staff noticed a pipe section break at the entrance to the wet well. He further stated that the piping is encased in concrete, so sewage is not actively spilling, however the piping needs to be fixed to prevent additional blockage and erosion.

Mr. Harnisch stated that staff investigated alternatives and determined the most effective option is to install a new pipeline from the upstream manhole in Paseo de Valencia to a new manhole inside Mathis, followed by a connecting pipeline between the proposed manhole and wet well. He further stated that staff solicited Dudek to prepare construction documents and anticipates completing design by early August, bidding, and recommending for award at the September Board meeting.

### Cathodic Protection Repair on Moulton Parkway

Ms. Ford stated that the District owns and maintains a 16-inch water main in Moulton Parkway. She further stated that staff install an impressed current cathodic protection system along the Reinforced Concrete Cylinder Pipe for corrosion control in 2001.

Ms. Ford stated that in 2016 staff suspected that the pipeline was not receiving cathodic protection from the rectifier and hired the Farwest Corrosion Control Company to confirm whether there was a discontinuity, and they determined that the discontinuity was present between station ETS-D7 and ETS-D6.

Ms. Ford stated that in order to bring the cathodic protection system back into service, the District needs to determine where discontinuity is along the pipeline and repair. She further stated that as a first step Farwest will survey the 1,000 feet of piping



along Moulton Parkway to narrow the location of the discontinuity to a 20-foot radius.

Ms. Ford stated that once identified, staff will excavate and repair, install a new cathodic protection test station, and test to determine whether the repair sufficiently restored cathodic protection along the 16-inch water main. She further stated that this project was budgeted in previous fiscal years at a total cost of \$100,000, and the proposed approach will reduce cost to less than \$20,000, and should more than one discontinuity require repair, additional cost will be approximately \$8,000 per discontinuity.

#### Fleet Update

Ms. Ford stated that delivery of the Boom Truck is anticipated this week. She further stated that the District finally received the WRP forklift.

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

Director Freshley stated that she attended the ACWA Energy Committee meeting where they discussed carbon issues and electric vehicles.

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

There were no comments.

#### Adjournment

There being no further business, the Engineering Committee meeting was adjourned at approximately 10:21 a.m.

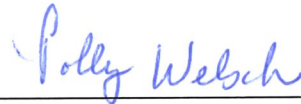
#### Attorney Report

Mr. Granito reported that there is no need for a Closed Session today, and as such the Regular Session resumed.

#### Adjournment

At approximately 10:21 a.m. the meeting was adjourned.

Respectfully submitted,



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POLLY WELSCH  
Recording Secretary

APPROVED:



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KAY HAVENS, President  
of the El Toro Water District and the  
Board of Directors thereof



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