MINUTES OF THE REGULAR MEETING
& OF THE
ENGINEERING COMMITTEE MEETING

April 22, 2024

At approximately 8:07 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, HANNAH FORD, Director of Engineering, SCOTT HOPKINS, Operations Superintendent, GILBERT J. GRANITO, General Counsel, MIKE MIAZGA, IT Manager (Zoom), SHERRI SEITZ, Public Affairs Manager (Zoom), VICKI TANIOUS, Senior Accountant/Payroll, (Zoom), CAROL MOORE, Laguna Woods City Council Member (Zoom), and POLLY WELSCH, Recording Secretary.

Consent Calendar

Director Freshley asked for a Motion.

Motion: Director Adjarian made a Motion, seconded by Director Havens 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

Lead and Copper Rule Revisions (LCRR) Compliance

Ms. Ford stated that the District has been working with MWDOC's consultant, Hazen and Sawyer (Hazen), to provide compliance with the latest LCRR from the EPA. She further stated that staff had to inventory all of the District's service lines on the customers' side and the District's side.

Ms. Ford stated that of the 13,000 lines that have been inventoried, there are only 1,500 that we could identify as non-lead. She further stated that staff does not expect to find any lead in the water distribution system.

Ms. Ford stated that Hazen has developed a method in talking to DDW that allows us not to have to confirm every one of the unknowns and instead run a statistical analysis on our unknowns so that we can attain a 95% confidence level that the District has non-lead. She further stated that we have two options; we could hire external help, or we could add these field investigations to staff's work load.

Ms. Ford stated that we have until the end of July to do this work. She further stated that three Departments have agreed to accomplish the field investigations in-house: Engineering, Customer Service, and Operations.

Ms. Ford stated that in addition we have to excavate outside of the meter box to determine if there is any material change between the meter box and the riser to the home at 20 percent of the field investigation sites. She further stated that Hazen's subcontractor will perform these excavations. Ms. Ford stated that Hazen will provide training to staff and compile all results from staff and its subcontractor and submit to the Division of Drinking Water prior to the October 16, 2024 deadline.

Mr. Cafferty stated that if lead is found, additional work will be necessary.

Director Freshley asked for a Motion.

Motion: Director Havens made a Motion, seconded by Director Adjarian to authorize the General Manager to amend the existing cost sharing agreement with the Municipal Water District of Orange County in the amount of $51,209 for Phase 2 engineering services from Hazen and Sawyer as part of its Lead and Copper Rules Revision compliance assistance program.

Roll Call Vote:

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

Resolution No. 24-4-1 Integrated Climate Adaptation and Resiliency Program (ICARP) Adaptation Planning Grant Program

Ms. Ford stated that ICARP is a state-run program that offers grants for programs that improve climate resilience. She further stated that this grant offers 100% funding and prefers applicants, like the District, that provide benefits for over 50% disadvantage communities.

Ms. Ford stated that the grant scope structure is very collaborative with community outreach to disadvantaged communities and other agencies. She further stated that the Plan will evaluate wastewater and urban runoff as sources of supply, and potable reuse could reduce imported water demand by 31%.

Ms. Ford stated that this grant requires a community-based organization as a partner. She further stated that the grant also requires us to write a letter of support for ourselves, which passing this resolution would benefit.

Director Freshley asked for a Motion.

Motion: President Monin made a Motion, seconded by Director Havens to adopt Resolution No. 24-4-1 authorizing the General Manager, or designee, to apply for, receive, and enter into a cooperative agreement, and administer a grant for the Integrated Climate Adaptation and Resiliency Program Adaptation Planning Grant Program.

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. Cafferty discussed the District's recycled water numbers and weather impacts on usage.

Capital Projects Status Report

R-6 Reservoir Floating Cover and Liner Replacement Project

Ms. Ford stated that staff refilled the R-6 Reservoir this month prior to the Allen-McColloch Pipeline (AMP) shutdown and the concentration of the Total Trihalomethanes (TTHM) was 49.2 micrograms per liter, which is below the maximum contaminant level.

New Warehouse

Ms. Ford stated that we have finalized the Change Order No. 2 and 3 with Dumarc to address an existing utility conflict, reduced asphalt paving scope, light fixture layout, and bollard installations.

Ms. Ford stated that next month we will recommend to the Board award for implementing a security system at the new warehouse. She further stated that staff is working with AQMD who has been at the site in order for the contractor to install a concrete pad, electrical duct bank, and equipment.

Mathis Lift Station Inlet Piping Improvement Project

Ms. Ford stated that the work at Mathis is complete and the Lift Station is now fully functional. She further stated that this is a non-budgeted project that is funded through accumulated capital.

Aliso Creek Lift Station Improvement Project

Ms. Ford stated that the Alternatives Analysis is complete, and we have selected Alternative 1C which provides a 12-foot diameter wet well with three submersible pumps, a valve vault, a discharge flow meter vault, a relocated entrance gate for improved site accessibility, and an additional 20,000 gallons of emergency storage by converting the existing dry well.

Ms. Ford stated that Tetra Tech assisted in the Alternatives Analysis Final Report, and the next step is developing the final design. She further stated that staff has solicited a RFP and held a pre-proposal meeting, which was attended by five consultants.

Headworks and Secondary Clarifier No. 1 Rehabilitation Project

Ms. Ford stated that Carollo Engineers, Inc. completed Part One and Part Two of the basis of design effort, and the District received a free polymer test unit from Velodyne to begin testing polymer to thicken sludge prior to hauling to SOCWA by the end of this month.

New Turbo Blower

Ms. Ford stated that one of the three blowers at the WRP catastrophically failed in February. She further stated that the blowers motor inlet bearing erupted and interrupted the shaft.

Ms. Ford stated that staff pursued an interim solution by purchasing a used centrifugal blower to provide backup during emergencies. She further stated that the lead time for a new Turbo blower is seven months so staff will bring this back to the Board next month for approval.

Tertiary Disinfection Optimization Project

Ms. Ford stated that staff is waiting for the Division of Drinking Water to return comments on the tracer study this month.

Asset Management Program

Ms. Ford stated that included in the Board package are the results of the Pump Stations and WRP Departments on the same dynamic, digital dashboards. She further stated that staff is meeting with Computerized Maintenance Management System vendors to develop real-time integration of workorder completion with asset management inventory condition scoring, and has narrowed software providers to four vendors and continues to refine scope and cost prior to selection.

WRP Main Electrical Power Breaker

Ms. Ford stated that staff coordinated a shutdown on April 3rd to install the new Automatic Transfer Switches (ATSs). She further stated that the fourth pole on the ATSs was not installed due to lack of direction from Schneider Electric to their installer, ASCO and that Schneider will schedule a return visit to correct that deficiency.

R-6 Reservoir Security System

Ms. Ford stated that the R-6 Reservoir Security System installation will begin this week.

Northline Coating Improvement Project

Ms. Ford stated that we are nearing completion with this project and planning to complete final repairs by the end of this month or early next month.

Engineering Items Discussed at Various Conferences and Meetings

There were no comments.

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 9:18 a.m.

Regular Session

Attorney Report

Mr. Granito report that there is no need for a Closed Session today, and as such Regular Session continued.

Adjournment

There being no further business to come before the Board, the meeting was adjourned at 9:18 a.m.

Respectfully submitted,

Polly Welsch

POLLY WELSCH
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