

**EAST VALLEY WATER DISTRICT
ENGINEERING AND OPERATIONS COMMITTEE MEETING
VIA TELECONFERENCE**

September 28, 2020

MINUTES

Ms. Duran called the meeting to order at 2:30 p.m. and Mr. Noelte led the flag salute.

PRESENT: Directors: Smith, Coats

ABSENT: None

STAFF: Jeff Noelte, Director of Engineering and Operations, Patrick Milroy, Operations Manager; Martha Duran, Sr. Administrative Assistant; Brenda Van Meter, Administrative Assistant; Shayla Antrim, Sr. Administrative Assistant; Christi Koide, Sr. Administrative Assistant; Ryan Ritualo, IT Manager

GUEST(s): None

PUBLIC COMMENTS

There being no written or verbal comments, the public participation section was closed.

APPROVE THE JULY 27, 2020 ENGINEERING AND OPERATIONS COMMITTEE MEETING MINUTES

The minutes for July 27, 2020 were approved by unanimous roll call vote as presented.

Operations Update - In-House Water Mains Project

Mr. Milroy provided information regarding In-House Main Projects. He stated that Field Service Staff identified six cul-de-sacs with undersized water mains and the lack of required fire hydrants.

He provided an overview of each of the projects. He stated that one water main has a long leak history running under homeowners' driveways and through front lawns on the far west side of the street with no curbing. Mr. Milroy reported that each of the streets fit the category of undersized main with a recorded leak history and being problematic.

Mr. Milroy explained that in the past these areas would have been contracted out. However, it was determined that it was in the best interest of the rate payers and the District to complete the project with District staff that was experienced with this type of work.

Mr. Milroy stated that the Field Crews installed of over 1500 linear feet of 6-inch ductile

iron pipe and six new fire hydrants, completing six individual streets. Barton is the last street with the 4-inch steel main and is 963 feet long with replacement starting at the beginning of 2020.

Director Coats inquired about why fire hydrants were not in place when the homes were built. Mr. Milroy explained that the requirements have changed over the years and were not in place at the time the homes were built. He stated that fire departments typically run long lines of hose if they need to address a fire in the area. Director Coats also inquired about whether other areas like this were present. Mr. Milroy responded that more streets are identified as undersized or lack of protection, but none were in the condition of these that were recently updated to industry standards. He said that these will be addressed in the future either with in-house staff or a contractor.

ENGINEERING UPDATES

Sterling Natural Resource Center (SNRC)

Mr. Noelte presented an overview of the progress at the Sterling Natural Resources Center. He reported the structural shells of the Administration and Operations Buildings are nearly complete. The three bio-trickling filter vessels for the odor control system have been installed. He stated the base slab for the Main Electrical Building has been constructed and much of the yard piping has been completed. Mr. Noelte discussed how the below slab piping for the Biosolids Building is constructed and the forming and pouring of that slab is upcoming. He reported that the aeration piping has been installed in the Aeration basins.

Water Tank Rehabilitation

Mr. Noelte presented information about the various tank rehabilitation work that is in progress. He expressed that the Plant 108 Reservoir bid package is 90% completed, which includes safety upgrades and coating rehabilitation.

Mr. Noelte discussed that the District has been working with a consultant to develop a bid package for the reservoir located at Plant 143. The tank requires cleaning and potential modification of the current baffle system inside the tank.

Mr. Noelte explained the options for the forebay at Plant 120. He discussed that the plant has been out of service for a few years due to sand production from the associated well, and a condition assessment of this tank has been conducted to identify repairs needed to put the plant back in service.

Plant 134 Granular Activated Carbon (GAC) Project:

Mr. Noelte stated that Plant 134 is being evaluated by design-build teams to install Granular Activated Carbon (GAC) at Plant 134. The teams have toured the facility and the proposal phase is nearly complete. He explained how the fundamental properties of GAC makes it an effective treatment technology.

Director Coats inquired as to life expectancy of granular activated carbon and how it is checked. Mr. Noelte responded that certain constituents are monitored as the flow enters and leaves the treatment vessels to determine when the GAC media needs to be replaced. When the GAC is exhausted, special equipment is used to clean out the vessels and prepare them to receive new media.

ADJOURN

The meeting adjourned at 3:13 p.m.



David Smith
Governing Board Member



Ron Coats
Governing Board Member