

THE REGULAR MEETING OF THE BOARD OF DIRECTORS  
OF STOCKTON EAST WATER DISTRICT WAS HELD AT THE DISTRICT OFFICE  
6767 EAST MAIN STREET, STOCKTON, CA  
ON TUESDAY, AUGUST 10, 2021 AT 12:30 P.M.

**A. PLEDGE OF ALLEGIANCE AND ROLL CALL**

President Watkins called the regular meeting to order at 12:30 p.m. and Director Panizza led the Pledge of Allegiance.

Present at roll call at the District were Directors Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti and Watkins. Also present were Manager Moody, Assistant Manager Hopkins, Finance Director Vega, Administrative Clerk Feliciano and Legal Counsel Zolezzi.

**B. CONSENT CALENDAR (None)**

**C. PUBLIC COMMENT (None)**

**D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS**

1. Minutes 08/03/21 Regular Meeting

A motion was moved and seconded to approve the August 3, 2021 Regular Board Meeting Minutes, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins  
Nays: None  
Abstain: None  
Absent: None

2. Warrants – California Public Employees’ Retirement System

A motion was moved and seconded to approve the August 10, 2021 Warrants – California Public Employees’ Retirement System, as presented.

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins  
Nays: None  
Abstain: None  
Absent: None

3. Bulk Sodium Hypochlorite System 30% Design Presentation

Chris Cleveland, P.E., Carollo Engineers, Inc. (Carollo) provided a presentation to the Board with discussion focused on the Disinfection Project 30% design including an overview of the project, updated cost estimate, design discussions and next steps. Mr. Cleveland reported there will be two buildings; a hypochlorite storage facility and hypochlorite feed building which will replace the chlorine gas system. Sodium hypochlorite is a high strength bleach that the water industry uses in place of chlorine gas due to limited supply, risk and liability cost of chlorine gas.

Manger Moody inquired what the impact was in the last year to the hypochlorite manufacturer. Mr. Cleveland stated there were significant challenges in hypochlorite production in the Western United States in the last three months, with a major electrical issue in Oregon that shut down production for the entire Pacific Northwest, an emergency response period occurred and the plant is now operational; this is not a concern in this area because there are multiple suppliers in both California and Nevada.

Mr. Cleveland reported on some changes to the Project which includes; expanding grading/paving to make room for the facilities and access for trucks, aging pipeline replacement, and other opportunities for upgrades while the work is being done. These changes will allow for trucks to pull into contained areas designed for chemical spills. Director Panizza inquired if grass and shrubbery will be removed and what the size of that area will be. Mr. Cleveland stated the edge of the pavement is not being modified, the planting areas will be removed which would include a couple large size trees, the area is ~30-40 feet and the east side expansion is ~20-24 feet.

Director Atkins inquired about spillage and containment of the sodium hypochlorite. Mr. Cleveland replied yes; there are a couple different disposal options to make it as easy as possible to recover from a spillage event, easily neutralize it and dispose of the chemical. Mr. Cleveland reported Carollo is designing a new trench to take chemical feed lines to their application points; two application points in the filter structure and an application point to the existing raw water pipeline in the basement and a new duct bank that is going to feed the electrical into the control system in the Operations Building. The two facilities; the hypochlorite storage facility (north building) and the hypochlorite feed building (south building) with the containment area and trench drain collector in-between will allow easy access for staff to walk back and forth. Director Sanguinetti inquired what the capacity is for the containment area. Mr. Cleveland replied it is measured by the size of one entire tank which the tanks are designed to take a truck load, and code requires twenty minutes of sprinkler volume in addition to the tank or truck load.

Director McGurk inquired what would happen if a truck was to collide with the storage facility. Mr. Cleveland replied that it is unlikely to happen as they plan to install bollards.

Director Cortopassi inquired if the hypochlorite is a harmful irritant. Mr. Cleveland replied it is toxic and requires personal protective equipment (PPE) for close proximity exposure, but is not harmful outside the designated PPE required areas.

Director Atkins inquired how much water will one tank treat. Mr. Cleveland replied the total storage is sized to annual peak chlorine demand at peak production capacity of the Plant for a minimum of 14 days of storage.

Mr. Cleveland explained the design of the bulk hypochlorite storage facility; which includes four tanks and fill stations, which are completely contained; access to multiple safety showers around the facility; steps down to the hypochlorite feed building; sump for spill collection and disposal; and a transfer pump to transfer from one tank to another.

Director Sanguinetti inquired if there is a settlement time. Mr. Cleveland replied yes, the hypochlorite can have precipitate that settles and a maintenance procedure will be done to go

in and clean out the tanks annually; access to the hypochlorite is on the top of the tank to minimize leaking gaskets.

Mr. Cleveland reported the hypochlorite feed building is designed with a bulk area, access doors, four chemical metering pumps, safety showers, PPE storage, flat roof, roll up door, fire raiser and main water, tempered water, secondary containment with grating, and additional storage and sink. Mr. Cleveland added the demolition of the gas system will be performed after full commissioning, startup, training, and operational period of new facilities.

Director Cortopassi inquired about keeping the gas chlorine as a backup for the sodium hypochlorite. Manager Moody replied a backup would be beneficial but the District will benefit more from removing the gas chlorine because of the amount of money and time spent on training and the emergency response plan which costs the District ~\$100,000 every couple of years. Manager Moody added staff has experience working with this type of system. Mr. Cleveland replied liquid chemicals are already on-site and similar practices are already being used, only the chemical is new.

Director Sanguinetti inquired about the piping, if the pipes would be above ground or underground. Mr. Cleveland replied they will be in a trench system with double contained pipe that can be assessed in certain areas for leaks.

Director Atkins inquired on the timeframe the sodium hypochlorite has to expire. Mr. Cleveland replied it depends on the temperature, concentration and sunlight; the lower the concentration the slower degradation, with 12.5 being industry standard, the design of the roof will minimize temperature and sunlight.

Director Atkins inquired how much each truck delivers. Mr. Cleveland replied each truck holds ~5,000-6,000 gallons.

Director Sanguinetti inquired about what would happen if our area had freezing weather causing the pipes and materials to freeze. Mr. Cleveland replied the tanks are large and would take a long time to freeze and the transfer pump would move the liquid between the two tanks; the pipes are tubing with high velocity constantly causing friction which will create heat to help from freezing.

Mr. Cleveland presented the cost estimate which was the same as presented at the preliminary engineering stage with a 30% contingency added at this stage to cover components that have not been added to the Project yet; at the 90% design the contingency will go down and more will be added to the cost.

Director McGurk inquired what work needs to be done after the 30% design. Mr. Cleveland replied Carollo with advise the contractor of the concepts and describe the work; work with the contactor to make sure they know limitations at the District, choose fittings, materials, controls, wiring, and panels for the Project. Mr. Cleveland added they have not designed the motor control center which would develop at that time.

Manager Moody inquired if the existing generation system has the capacity to handle the electrical needs of the facilities. Mr. Cleveland replied yes, there is existing power in the MCC

and can be fed from the generators; the booster pumps will also be removed to allow for more capacity.

Mr. Cleveland presented the current design discussion which includes Plant shutdown, laydown/staging area for contactors and the additional District needs for the Project which includes expanding grading/paving site improvements and pipe replacement; this Project will likely take 12 months. Mr. Cleveland added the District will then have agency reviews to conduct with the Department of Drinking Water (DDW) to approve the modified operating permit, and other agencies like the fire department. Mr. Cleveland reported the next steps include the 90% design which will be delivered on October 18<sup>th</sup>, 2021 and a design review and workshop will be held on October 27<sup>th</sup>; the final bid step will be ready for Board approval in early January 2022.

Manager Moody inquired if this Project can use a form of design build. Mr. Cleveland replied it can be used, but if interested, that process would need to begin now, the 90% design will begin and with the option of a design build, a contractor is needed. Manager Moody stated it was successful in the past to avoid change orders, staff will work with Carollo to come up with a plan including a design build and present to the Board at a later date.

4. Eastern San Joaquin County Groundwater Basin Authority – Recommendation to Terminate The Eastern San Joaquin County Groundwater Basin Authority (GBA)

a. Agreement To Terminate The Joint Exercise Of Powers Agreement Of The Eastern San Joaquin County Groundwater Basin Authority

Manager Moody reported the District received an email with a letter from the Eastern San Joaquin County Groundwater Basin Authority (GBA) asking all members to sign the agreement included with the letter to dissolve the GBA.

A motion was moved and seconded to approve the Agreement To Terminate The Joint Exercise Of Powers Agreement Of The Eastern San Joaquin County Groundwater Basin Authority

Roll Call:

Ayes: Atkins, Cortopassi, McGaughey, McGurk, Panizza, Sanguinetti, Watkins

Nays: None

Abstain: None

Absent: None

**E. COMMITTEE REPORTS**

1. Eastern San Joaquin Groundwater Authority Ad-Hoc Technical Advisory Committee (TAC) Meeting, 08/05/21

President Watkins and Assistant Manager Hopkins attended the August 5, 2021 Eastern San Joaquin Groundwater Authority Ad-Hoc Technical Advisory Committee (TAC) Meeting. Assistant Manager Hopkins reported the Department Water Resources (DWR) will provide an additional \$157,000 in grant funding to allow GWA to put in another monitoring well which is part of an ongoing project to benefit North San Joaquin and Stockton East Water District. Assistant Manager Hopkins stated the model consultant gave an overview on the modeling process, data, and the updates of 2020 and 2021; the data is being integrated from Oakdale Irrigation District and Modesto Subbasin and Delta models. Assistant Manager

Hopkins reported the model overdraft is on average ~34,000 acre feet and the previous model was twice that amount; the District uses ~70,000-80,000 acre feet as a current overdraft number. Director McGurk inquired if the average was set at ~34,000 acre feet, could that end up hurting our GSA from receiving grant money. Director Watkins explained the new information still has to be collected and the model will change with that data for the GSP basin wide model. Assistant Manager Hopkins reported the State has extra funds and has contacted the Drought Taskforce to identify drought mediation projects. The next meeting is scheduled for September 2, 2021.

## **F. REPORT OF GENERAL MANAGER**

### **1. Water Supply Report as of 08/10/21**

Manager Moody provided a handout of the Water Supply Report for information only that included storage, release, and production data collected from various sources as of midnight last night.

There is 107,028 AF in storage at New Hogan Reservoir. Current releases are set at 189 cfs. Current release at Goodwin Dam to Stanislaus River are set at 1,505 cfs and release to all water users are set at 255 cfs. There are 14 irrigator(s) on New Hogan, 4 irrigator(s) on New Melones and 3 Out-of-District irrigator(s). The water treatment plant is currently processing 30 mgd. The City of Stockton is currently processing 22 mgd.

Director Cortopassi suggested the District indicate where the New Melones water is going for the public that reads the minutes.

### **2. Information Items:**

Manager Moody noted items: F2a-1, F2a-2 and F2a-3.

### **3. Report on General Manager Activities**

#### **a. Stockton East Water District – PG&E Demand Response Program Memo, 08/10/21**

Manager Moody reported PG&E has offered the District an opportunity to work with them during peak times involving rolling black and brown outs; the District would switch over to our backup generator system and PG&E will pay the District for the time on backup generator power. Director Watkins inquired if solar can still be produced while also running the generators at the same time. Assistant Manager Hopkins replied he believes they can but will speak with Staff to confirm.

#### **b. Stockton East Water District Activities Update**

There was nothing to report.

## **G. DIRECTOR REPORTS (None)**

## **H. COMMUNICATIONS (None)**

## **I. AGENDA PLANNING/UPCOMING EVENTS**

1. Eastern San Joaquin Groundwater Authority Steering Committee Meeting, 8:30 a.m., 08/11/21

**J. REPORT OF THE COUNSEL**

1. Closed Session - Existing Litigation  
Stockton East Water District vs. City of Stockton, et al.  
Government Code 54956.9 (a)
  
2. Closed Session - Potential Litigation  
Government Code 54956.9 (c) – two cases
  
3. Closed Session – Personnel  
Government Code 54957

President Watkins adjourned the meeting to closed session at 1:42 p.m. to discuss closed session agenda items. District staff, with the exception to Manager Moody, were excused from the closed session meeting at 2:04 p.m. The regular meeting reconvened at 2:10 p.m., with no reportable action.

**K. ADJOURNMENT**

President Watkins adjourned the meeting at 2:11 p.m.

Respectfully submitted,



Scot A. Moody  
Secretary of the Board

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