

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 1, 2023 AT 12:30 P.M.

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

President Atkins called the regular meeting to order at 12:30 p.m., and President Atkins led the Pledge of Allegiance.

Present at roll call at the District were Directors Atkins, Cortopassi, McGaughey, McGurk, Sanguinetti and Watkins. Director Panizza arrived at 12:37 p.m. Also present were Manager Hopkins, Assistant Manager Vega, Finance Director Ram, District Engineer Evensen, Administrative Assistant Wood and Legal Counsel Zolezzi. Administrative Services Manager Celestine was present via teleconference. Consultant Barkett was absent.

**B. CONSENT CALENDAR (None)**

**C. PUBLIC COMMENT**

**D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS**

1. DCSE, Inc – 2022 GROWMAS Technical Report Draft

Manager Hopkins introduced Ali Diba, the Chief Technology Officer at DCSE, Inc. Mr. Diba provided the Board with a presentation regarding the Geospatial Resources of Water Management for Agricultural System (GROWMAS) Technical Report. The subject of the technical report is the application of Net-To-From Groundwater (NTFGW) to estimate annual and monthly groundwater pumping and recharge for three of the water districts in the East San Joaquin subbasin: Stockton East Water District (SEWD), North San Joaquin Water Conservation District (NSJWCD), and Central San Joaquin Water Conservation District (CSJWCD). The report provided parcel and district-level NTFGW results for 2022 and a comparative analysis between district-level NTFGW results for 2021 and 2022. DCSE, Inc. used various sources of data which include; surface water delivery data for over 400 agricultural parcels within SEWD and CSJWCD boundaries, gridded precipitation data from the PRISM Climate Group and OpenET, an online platform that provides evapotranspiration (ET) estimates for defined geographic boundaries.

Mr. Diba reported the total NTFGW for SEWD in 2022 is -104,754. The negative NTFGW value indicates that more pumping occurred than recharge. Thus, the district had a net groundwater use of 104,753 AF, with annual pumping being 117,947 AF and annual recharge being 13,193 AF. NTFGW becomes increasingly negative between April and July, a period when ET increases. By November and December, NTFGW is positive, signaling a period of groundwater recharge or percolation. These two months are characterized by high precipitation and low ET. The 2022 NTFGW estimate for CSJWCD is -137,985 AF. Net groundwater consumption is 137,985 AF, with an annual pumping of 140,059 AF and recharge is 2,074 AF. NTFGW declines from March to July, a period of high ET (Figure 6). Like SEWD, NTFGW becomes positive in November and December due to the intense rainfall and low ET. NTFGW for NSJWCD is -88,676 AF. Thus, net pumping for 2022 is estimated to be 88,676 AF, with annual pumping being 100,325 AF and recharge being 11,649 AF. In June, there was a decrease in ET.

For 2022, all districts have negative NTFGW values, indicating that more groundwater was extracted than recharged across the board. However, despite being a larger area, NSJWCD net

consumption of groundwater was lower than SEWD and CSJWD. Two factors potentially contributed to this outcome: 1) NSJWCD received more rainfall than CSJWCD and SEWD in 2022, and 2) total annual ET for NSJWCD in 2022 is similar to the other districts. An analysis of district-wide annual NTFGW results shows a reduction in net groundwater consumption for SEWD from 2021 to 2022. According to the current NTFGW estimates, SEWD is the only district to have reduced groundwater consumption in 2022. Mr. Diba reported this may be due to increased surface water deliveries and a lower total annual ET for SEWD in that year. While NSJWCD extracted less groundwater in 2022 than any other district, their groundwater consumption was higher in 2022 than in 2021. The increase in groundwater consumption may be attributed to a decrease in precipitation for 2022.

Director McGurk inquired if the data shows the consumptive use of groundwater and surface water by crop. Mr. Diba responded the ET is the representation of the consumptive use of the crops. Director Cortopassi inquired if the ET shows the same data for various types of crops. Mr. Diba responded there is an infrared band present in the satellite imagery which determines the ET regardless of the type of crop irrigated.

President Atkins inquired how often will the satellites produce images for analysis. Mr. Diba responded there are two satellites; Landsat 8 and Landsat 9 that provide four images per month.

The Board thanked Mr. Diba for his presentation.

## 2. Minutes 07/25/23

A motion was moved and seconded to approve the July 25, 2023 Regular Board Meeting Minutes, as presented.

### Roll Call:

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

Nays: None

Abstain: None

Absent: None

## 3. Warrants

- a. Fund 68 – Municipal & Industrial Groundwater Fund
- b. Fund 70 – Administration Fund
- c. Fund 71 – Water Supply Fund
- d. Fund 91 – Vehicle Fund
- e. Fund 94 – Municipal & Industrial Fund
- f. Payroll
- g. Summary
- h. SEWD Vehicles & Heavy Equipment
- i. Short Names/Acronym List

A motion was moved and seconded to approve the August 1, 2023 Warrants, as presented.

### Roll Call:

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

Nays: None

Abstain: None

Absent: None

4. Stockton East Water District – Installation of New Extraction Well No. 2 and Proposed Budget Amendment Memo

Manager Hopkins presented the Board with a memo regarding the installation of a new extraction well and a proposed budget amendment. Manager Hopkins reported the District has planned the construction of a new extraction well to supplement the available surface water with banked groundwater as part of the District’s 2020 Urban Water Management Plan (UWMP).

As part of the District’s 2022-2023 budget, the Board approved \$750,000 for the drilling and installation of a new extraction well. District staff solicited a proposal from Purviance Drillers Inc. (Purviance) and procured a quote of \$217,905.52 for drilling, casing installation and pump testing the new extraction well. The Board approved execution of the contract with Purviance Drillers Inc. (Purviance) on July 5, 2022 for a project amount of \$261,487 and the District executed a contract with Purviance. Due to adverse weather conditions and Purviance sustaining damage to their drilling equipment that required repairs, the project was delayed into the new Fiscal Year (FY), 2023-2024 and FY 2023-2024 did not include the extraction well project.

The FY 2023-2024 budget included \$960,000 for Ozonation Design. Although discussions are ongoing with the Urban Contractors about the desire to design and build an ozone addition to the District’s Treatment Plant, the likelihood of approval and expenditure of those funds are low this fiscal year. Staff recommends the Board authorize the General Manager to approve proposed budget transfer from account 10-5323-0 Maintenance and Repair TP – Ozonation Design in the amount of \$605,000 to account 10-5323-0 Maintenance and Repair TP – Extraction Well No. 2 to construct a new well and other project related costs and contingencies.

Director Cortopassi inquired why the budget transfer is in the amount of \$605,000 and not \$261,487 for the project price. Manager Hopkins clarified the budget transfer is an estimate which includes the contract amount, PGE expenses, well pump, valving, electrical equipment and other equipment needed to install an extraction well.

A motion was moved and seconded to approve a budget transfer from account 10-5323-0 Maintenance and Repair TP – Ozonation Design in the amount of \$605,000 to account 10-5323-0 Maintenance and Repair TP – Extraction Well No. 2 to construct a new well and other project related costs and contingencies, as presented.

Roll Call:

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

Nays: None

Abstain: None

Absent: None

5. Stockton East Water District – Budget Amendment for Variable Frequency Drives for P1 Pump Replacement and P27 and Associated Installation Costs as well as Purchase of VFD for P27 Memo

Manager Hopkins provided the Board with a memo regarding a budget amendment for a Variable Frequency Drives (VFD) for P1 Pump Replacement and P27. Manager Hopkins reported the District’s Fiscal Year (FY) 2023-2024 approved budget includes funding for the replacement of the Low Lift Pump Station’s (LLPS) Pump P-1. Currently, the District has purchased the replacement pump, check valve and butterfly valve for the P-1 Replacement Project. The VFDs for the P-1 Replacement Project and P27, a previously purchased but yet to be delivered VFD, were not included in this fiscal year’s budget.

Manager Hopkins reported District Staff received a quote from Wille Electric Supply Company for an ABB VFD in the amount of \$68,264. The District has standardized on ABB VFDs for their quality and availability. The installation of LLPS P-1 is tentatively scheduled for the end of February 2024 based upon the lead time given by the manufacturer of the previously purchased 250 HP pump. The installation of the pump and associated piping will need to be contracted later this fiscal year, but staff has obtained preliminary estimates for the work to be done to install the pump. These preliminary estimates have been above the original engineering estimate of the cost to install the pump and new piping in LLPS and the need for more funding has been identified.

In addition to the above listed VFD purchase and funding of installation of P-1, the VFD for P-27 was ordered last fiscal year under its own approved budget in the amount of \$125,374 and, due to industry delays, was not delivered last fiscal year. The current delivery date for the VFD is estimated for November 2023.

The original budget for the LLPS Pump P-1 Replacement project was \$380,000. Thus far the District has purchased the 250 HP replacement pump, check valve and butterfly valve, leaving \$46,302 in the budget for all other electrical materials, appurtenances, and installation. The cost of the VFD for pump P-1 plus a 10% contingency will be \$75,090. The preliminary estimate of the installation of the pump plus a 10% contingency will be approximately \$165,000, and the estimated cost of all other electrical materials for P-1 is \$20,000. These three items total in the amount of \$260,090. The current project budget will not be sufficient to cover the expected costs for the electrical, installation and VFD. The Budget amendment required to cover these costs will be \$213,789. Additionally, the cost of the VFD for P-27 from Rexel is \$125,374.

President Atkins inquired on the estimated delivery time for the VFD's. Manager Hopkins replied the lead time is 20 weeks.

A motion was moved and seconded to approve a budget transfer from account 10-5323-0 Maintenance and Repair TP – Ozonation Design to account 10-5323-0 Maintenance and Repair TP – P27 VFD in the amount of \$125,400 and to account 10-5323-0 Maintenance and Repair TP – LLPS1 Replacement in the amount of \$214,000 and authorize the General Manager to approve a purchase of the VFD from Willie Electric in the amount of \$68,264 plus a 10% contingency for a total of \$75,090 and make all necessary approvals, as presented.

Roll Call:

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

Nays: None

Abstain: None

Absent: None

6. Water Year 2022 – Accounts Receivable Credits for Refund for AG and Municipal & Industrial (M&I)

Manager Hopkins provided the Board with a list of Accounts Receivable Credits for reimbursement. Manager Hopkins reported the refunds are a result of overpayment of the groundwater assessment.

Manager Hopkins directed the Board's attention to line item 4 under the M&I Credit Refund table for City of Stockton's refund in the amount of \$837,928.34. Manager Hopkins reported the groundwater assessment was based off of 2021 pumping. However, in 2022 the City of Stockton

started taking water from the North Stockton Pipeline resulting in a decrease in groundwater pumping.

Finance Director Ram reported the total refund amount for the 2022 water year is less than previous years, excepting the City of Stockton's refund.

Director Cortopassi inquired if there are meters installed on these customer's pumps. Manager Hopkins responded there are meters installed for surface water users however not for all groundwater users.

Director McGurk inquired if we can apply a credit balance instead of processing a refund. Manager Hopkins replied the District's rules state a refund will be issued for any overpayments.

A motion was moved and seconded to approve payment of the Accounts Receivable Credits for Refund for Water Year 2022, as presented.

Roll Call:

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

Nays: None

Abstain: None

Absent: None

7. Statement of Consistency Pursuant to Execute Order N-7-22 and Findings of Fact Stockton East Water District Groundwater Sustainability Agency Statement of Consistency Pursuant to Executive Order N-7-22 – Well Permit Application for 6699 E Route 88, Stockton, CA. San Joaquin County – Statement of Consistency Pursuant to Execute Order N-7-22 6699 E Route 88, Stockton CA Agreement

Manager Hopkins provided the Board with a Statement of Consistency and Well Permit Application. Manager Hopkins reported the District received the well permit application from the San Joaquin Environmental Health Department. The District is required to submit a statement of consistency to San Joaquin County stating the replacement well would be consistent with the District's Groundwater Sustainability Plan.

Director McGurk reported the application incorrectly lists the GSA as South Delta Water Agency. Manager Hopkins replied staff will reach out to San Joaquin County to correct the error.

Director Panizza inquired if any other GSA's need to approve this well application. Manager Hopkins replied only the district the address resides within.

A motion was moved and seconded to approve the Statement of Consistency Pursuant to Execute Order N-7-22 and Findings of Fact Stockton East Water District Groundwater Sustainability Agency Statement of Consistency Pursuant to Executive Order N-7-22 – Well Permit Application for 6699 E Route 88, Stockton, CA. San Joaquin County – Statement of Consistency Pursuant to Execute Order N-7-22 6699 E Route 88, Stockton CA Agreement, as presented.

Roll Call:

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

Nays: None

Abstain: None

Absent: None

8. Stockton East Water District – Eight Mile Dam Replacement NEPA Compliance Services Memo

Manager Hopkins provided the Board with a memo regarding the Eight Mile Dam Replacement Project. Manager Hopkins reported the District’s FY 2023-2024 approved budget includes funding for the Eight Mile Dam Replacement Project in the amount of \$280,000. Subsequent to budget approval, the District was awarded a United States Bureau of Reclamation (USBR) WaterSMART grant for \$100,000. In order to comply with the grant agreement, National Environmental Policy Act (NEPA) permitting must be completed.

NEPA permitting requires a cultural and biological report. Staff reached out to three environmental consultants (Dokken Engineering, ECORP Consulting, Inc., and Condor Environmental Inc.) to receive quotes for the cultural report, biological report, and the necessary NEPA correspondence. Dokken Engineering and ECORP Consulting, Inc. responded to the District’s request. Dokken Engineering provided a significantly lower quote in the amount of \$25,990.

Staff recommends the Board authorize the General Manager to approve the scope of work with Dokken Engineering in the amount of \$25,990 plus a 10% contingency of \$2,599 for a total amount of \$28,589, and make all other necessary approvals.

Director Watkins inquired if the District had not been awarded the grant funding, would the District be required to conduct a cultural and biological report. Manager Hopkins replied the District is only required per the grant agreement. Director Watkins cautioned staff about accepting the grant funding to avoid conducting cultural surveys.

A motion was moved and seconded to authorize the General Manager to approve the scope of work with Dokken Engineering in the amount of \$25,990 plus a 10% contingency of \$2,599 for a total amount of \$28,589, and make all other necessary approvals, as presented.

Roll Call:

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

**E. COMMITTEE REPORTS**

**F. REPORT OF GENERAL MANAGER**

1. Water Supply Report as of 07/25/23

Manager Hopkins 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 214,477 AF in storage at New Hogan Reservoir. Current releases are set at 226 cfs. There is 2,035,948 AF in storage at New Melones Reservoir. Current releases are set at 2,125 cfs. Current release at Goodwin Dam to Stanislaus River are set at 1,501 cfs and release to all water users are set at 3,078 cfs. There are 14 irrigators on New Hogan, 3 irrigators on New Melones, and 2 irrigators out of District. The water treatment plant is currently processing 48 mgd. The City of Stockton is currently processing 22 mgd.



2. Information Items:

Manager Hopkins noted item: F2a-1

3. Report on General Manager Activities

a. Stockton East Water District Activities Update

Manager Hopkins reported the District received the approved Hosie Project Permit from the Central Valley Flood Protection Board. Manager Hopkins reported a portion of Mormon Slough will be shut down to accommodate dewatering and installation of the bypass which affects eight customers. Water Supply staff will reach out to notify those customers. President Atkins inquired how many days will these customers be out of water. Manager Hopkins responded staff is estimating three to five days.

Manager Hopkins reported the Department of Water Resources would like to host a media event at the Bellota site to present the District with a check in the amount of \$12.3M for awarded grant funding. The event is proposed to be held on either September 6<sup>th</sup> or September 7<sup>th</sup> at 10:00am.

Manager Hopkins reported the Sodium Hypochlorite Project has a tentative start-up date scheduled for Tuesday, September 5<sup>th</sup>. Manager Hopkins suggested the District schedule a Special Meeting and host a ribbon cutting ceremony before the Regular Board Meeting. Staff will coordinate the ribbon cutting event with the Stockton Chamber of Commerce.

Manager Hopkins reported he discussed a project with San Joaquin Area Flood Control Agency (SJAFCA) to reestablish the Mormon Channel. The District previously opposed the project and should continue to oppose the project if minimum instream flows must be diverted from the District's surface water allocations.

## G. DIRECTOR REPORTS

1. San Joaquin Farm Bureau Federation Monthly Water Committee Meeting, 07/25/23

Director Watkins and Assistant Manager Vega attended the San Joaquin Farm Bureau Federation Monthly Water Committee Meeting on July 25<sup>th</sup>. Assistant Manager Vega reported North San Joaquin Water Conservation District provided an update on their south system pipeline, General Manager recruitment and new hydrogeologist.

Lesla MacIntosh, an East Bay Municipal Utility District (EBMUD) board member attended the meeting and provided information on who would be attending the meetings in the future.

Oakdale Irrigation District (OID) and South San Joaquin Irrigation District (SSJID) is estimating to use 215,000 out of 300,000 of their allotted water. SSJID reported their Proposition 218 hearing passed which will allow them to increase their rates over the next five years.

The San Joaquin County gave an update on the Mokelumne Conjunctive Use Study.

2. Eastern San Joaquin Water Accounting Framing Workshop #2, 07/26/23

Director Watkins and Legal Counsel Zolezzi attended the Eastern San Joaquin Water Accounting Framing Workshop #2 on July 26<sup>th</sup>. Director Watkins reported the GSA's will need to review the model components and raw data in more detail so there is a clearer understanding of the information being presented. Woodard & Curran will be sending the raw data out for review

before the next meeting. Manager Hopkins stated District Engineer Evensen is working on obtaining a proposal for a hydrogeologist to better assist the District in understanding the data.

## **H. COMMUNICATIONS**

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

1. Stockton East Water District Ad-Hoc Committee Meeting – Central San Joaquin Water Conservation & Stockton East Water District, 2:00 p.m., 08/03/23  
Manager Hopkins reported this meeting is being rescheduled to next month.
2. CVP Water Association – Executive and Financial Affairs Committees Meeting, 10:00 a.m., 08/04/23

### **J. REPORT OF THE COUNSEL**

1. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION  
Potential exposure to litigation – Government Code Section 54956.9 – one case
2. CONFERENCE WITH LEGAL COUNSEL – Personnel Government Code 54957

President Atkins adjourned the meeting to closed session at 2:02 p.m. to discuss closed session agenda items. The regular meeting reconvened at 2:27 p.m., with no reportable action.

### **K. ADJOURNMENT**

President Atkins adjourned the meeting at 2:28 p.m.

Respectfully submitted,



Justin M. Hopkins  
Secretary of the Board

hmw

