



REGULAR BOARD MEETING

JUNE 15, 2021



**STOCKTON
EAST WATER
DISTRICT**

PROVIDING SERVICE SINCE 1948

www.sewd.net

DIRECTORS

Richard Atkins
Vice President
Division 1

Andrew Watkins
President
Division 2

Alvin Cortopassi
Division 3

Melvin Panizza
Division 4

Paul Sanguinetti
Division 5

Loralee McGaughey
Division 6

Thomas McGurk
Division 7

STAFF

Scot A. Moody
General Manager

Justin M. Hopkins
Assistant General Manager

LEGAL COUNSEL

Jeanne M. Zolezzi
General Counsel

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6767 East Main Street
Stockton, CA 95215

Post Office Box 5157
Stockton, CA 95205

MEETING NOTICE

THE REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE
STOCKTON EAST WATER DISTRICT WILL BE HELD
AT 12:30 P.M., TUESDAY, JUNE 15, 2021 AT THE
DISTRICT OFFICE, 6767 EAST MAIN STREET
STOCKTON, CALIFORNIA 95215

Assistance for the Disabled: If you are disabled in any way and need accommodation to participate in the meeting, please contact Kristin Carido, Administrative Services Manager (209) 948-0333 at least 48-hours in advance for assistance so the necessary arrangements can be made.

**DUE TO COVID-19 STOCKTON EAST WATER DISTRICT BOARD MEETINGS
WILL BE AVAILABLE BY TELECONFERENCE.**

**Please call (425) 436-6336/Access Code: 866228# to be connected to the Regular
Board Meeting, to begin at 12:30 p.m.**

Agendas and minutes are located on our website at www.sewd.net.

AGENDA

| | <u>Page No</u> |
|---|----------------|
| A. Pledge of Allegiance (Director McGaughey) & Roll Call | |
| B. Consent Calendar (None) | |
| C. Public Comment (Non-Agenda Items) | |
| D. Scheduled Presentations and Agenda Items | |
| 1. Minutes 06/08/21 Regular Meeting | 01 |
| 2. Warrants – California Public Employees’ Retirement System | 07 |
| 3. Resolution No. 21-22-05 – Adopting Appropriations Limit for Fiscal Year 2021-2022 | 09 |
| 4. Stockton East Water District – New Melones Shutdown Memo, 06/15/21 | 15 |
| 5. Stockton East Water District – Fiscal Year 2021-2022 Budgeted Vehicle Purchase Memo, 06/15/21 | 17 |
| 6. Stockton East Water District – High Service Pump Station SCADA Integration Memo, 06/15/21 | 19 |
| E. Committee Reports | |
| 1. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting, 06/09/21 | 25 |

- 2. San Joaquin County & Delta Water Quality Coalition Meeting, 06/14/21 29

- F. Report of the General Manager**

 - 1. Water Supply Report as of 06/07/21 31

 - 2. Information Items
 - a. Material Included, but Bound Separately from Agenda Packet:
 - 1. Lodi District Grape Growers Association – Local Water Forum, 9:00 a.m., 06/30/21

 - 2. Association Of California Water Agencies – Virtual Events Series – Zooming Through California: Connecting ACWA Regions, 06/23/21 – 09/22/21

 - 3. Biden Administration Releases FY 2022 Budget Proposal, ACWA eNews, 06/03/21

 - 4. DWR Releases First Assessments Of Initial Groundwater Sustainability Plans, California Department Of Water Resources, 06/03/21

 - 3. Report on General Manager Activities
 - a. Stockton East Water District Activities Update

- G. Director Reports**

- H. Communications**

- I. Agenda Planning/Upcoming Events**

 - 1. San Joaquin County Flood Control and Water Conservation District Advisory Water Commission Meeting, 1:00 p.m., 06/16/21

 - 2. ACWA State Legislative Committee Meeting, 10:00 a.m., 06/18/21

 - 3. Central Valley Project Water Association – Executive & Financial Affairs Committee, 10:00 a.m., 06/18/21

 - 4. Eastern Water Alliance Meeting, 1:00 p.m., 06/21/21

- 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)

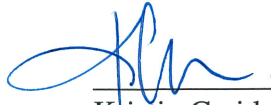
 - 2. Closed Session - Potential Litigation
Government Code 54956.9 (c) – one case

K. Adjournment

Certification of Posting

I hereby certify that on June 10, 2021 I posted a copy of the foregoing agenda in the outside display case at the District Office, 6767 East Main Street, Stockton, California, said time being at least 72 hours in advance of the meeting of the Board of Directors of the Stockton East Water District (Government Code Section 54954.2).

Executed at Stockton, California on June 10, 2021.



Kristin Carido, Administrative Services Manager
Stockton East Water District

Any materials related to items on this agenda distributed to the Board of Directors of Stockton East Water District less than 72 hours before the public meeting are available for public inspection at the District's office located at the following address: 6767 East Main Street, Stockton, CA 95215. Upon request, these materials may be available in an alternative format to persons with disabilities.

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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, JUNE 8, 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 McGurk 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 Services Manager Carido, Administrative Assistant Curtis, Legal Counsel Zolezzi and Consultant Barkett.

B. CONSENT CALENDAR (None)

C. PUBLIC COMMENT (None)

D. SCHEDULED PRESENTATIONS AND AGENDA ITEMS

1. Minutes 06/01/21 Regular Meeting

A motion was moved and seconded to approve the June 1, 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

- a. Fund 56 – Construction Fund
- b. Fund 68 – Municipal & Industrial Groundwater Fund
- c. Fund 70 – Administration Fund
- d. Fund 71 – Water Supply Fund
- e. Fund 91 – Vehicle Fund
- f. Fund 94 – Municipal & Industrial Fund
- g. Summary
- h. Short Names/Acronym List
- i. SEWD Vehicles & Equipment

Director Atkins inquired on the expense on page 9, line item 6 for Dameron Medical Group Inc. for dive exam in the amount of \$1,895.00. Manager Moody reported this cost is for 6 dive exams.

Director Atkins inquired on the expenses on page 12, line item 32 for Pace Supply Corp. for PVC for squirrel abatement in the amount of \$146.16 and line items 40 & 41 for San Joaquin County Ag Commissions for pesticide for squirrel apartment in the amounts of \$113.14 and

\$113.13. Manager Moody replied Pace was for the pipe and the Ag Commission was for the pesticides.

Director Atkins inquired on the expense on page 16, line item 83 for Uline Inc. for cabinets for storage of gear vehicle storage 1 in the amount of \$1,131.69. Manager Moody reported the storage cabinets are for construction items so they will no longer be stored with the dive equipment.

Director Cortopassi inquired on the expense on page 12, line item 38 for Rubicon Systems America Inc. for purchase of Rubicon 48" SlipMeter for 66" spillway in the amount of \$42,561.25. Assistant Manager Hopkins replied this is the vault for Peters Pipeline that crosses Mormon Slough. Manager Moody added this will allow the District to drain Peters Pipeline and release water into Mormon Slough to avoid using Calaveras water that low in the system. This was a Project that was discussed with the Ag Ops Committee during the budget review.

Director McGurk inquired on the expense on page 12, line item 39 for Rubicon Systems America Inc. for supervision and commission of slip meter at Mosher in the amount of \$750.00. Manager Moody replied this is the cost for the subscription to use the Rubicon System that the Board previously approved.

A motion was moved and seconded to approve the June 8, 2021 Warrants, as presented.

Roll Call:

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

Nays: None

Abstain: None

Absent: None

3. Stockton East Water District – Update – SGMA Projects Memo, 06/08/21

Manager Moody provided the Board with a memo regarding an update on the SGMA projects. Manager Moody reported staff is still working on the living document that was discussed last week, but wanted to take the initial step and put this information in front of the Board.

Manager Moody reported staff estimates ~32,000 acre-feet of surface water per year if all projects are completed. If the Central consolidation goes through there are several landowners waiting to get permits to begin taking surface water.

Manager Moody reported Central comes with an extra 40,000-45,000 acre-feet of water per year they are not using from their New Melones contract. This item was for information only.

4. Stockton East Water District – 2020 Urban Water Management Plan Update

a. Public Hearing

President Watkins opened the Public Hearing at 12:37 p.m. to receive comments on the 2020 Urban Water Management Plan Update. Manager Moody reported this Plan is required to be reviewed and updated every 5-years.

Manager Moody reported comments were received from Cal Water late Friday afternoon, thus were not able to make it into the Agenda Packet. The comments were sent to Provost & Pritchard, the UWMP Consultant. The Consultant explained some of what was

commented on was covered fairly well in the Plan and the remainder were based on assumptions.

Manager Moody thanked Cal Water for their comments and reported the comments will be put before the Board for further consideration. Manager Moody suggested the Board continue to move forward with consideration and approval of the Plan today and the comments will be reviewed and amendments can be made at a later date if needed.

Seeing no public comment, President Watkins closed the Public Hearing at 12:39 p.m.

- b. Resolution No. 21-22-04 – 2020 Urban Water Management Plan Update (UWMP)
Manager Moody provided the Board with Resolution No. 21-22-04 – 2020 Urban Water Management Plan Update.

A motion was moved and seconded to approve Resolution No. 21-22-04 – 2020 Urban Water Management Plan Update.

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 Steering Committee Meeting, 06/02/21
Director Watkins and Manager Moody attended the June 2, 2021 Eastern San Joaquin Groundwater Authority Steering Committee Meeting. President Watkins reported the Committee will be using the Ad Hoc's recommendation for budget and payment options for the 16 agencies and will be recommending the agreed upon options to the GWA Board. There were a couple updates from FloodMAR and comments from DWR. Manager Moody reported there was discussion on the County using Zone 2 funds to cover the white areas, which are areas that are not covered under a special district. The concern is that those areas are not contributing to the GWA as the other agencies are. Director Panizza inquired on the amount of acreage involved with the white areas. Manager Moody replied it is a significant amount. The next meeting is scheduled for July 14, 2021.
2. Eastern Water Alliance Meeting, 06/07/21
Directors McGurk, Sanguinetti and Alternate Watkins and Manager Moody and staff attended the June 7, 2021 Eastern Water Alliance (EWA) Meeting. Director McGurk reported this meeting was called as the permit conditions for the DREAM Project are not being met and there needs to be an amendment to the permit. The County Board of Supervisors (BOS) have an agenda item today that would make the Monitoring Committee for the DREAM Project official, which would then allow for the permit amendment to be taken to the BOS for consideration. Director McGurk reported there were no action items at this meeting. A meeting was scheduled for June 21st that will include an action item for improving the monitoring and operating conditions of the Project. Director Sanguinetti reported the Project must be completed by 2025 or water will be lost. Director Watkins reported there was one interesting outcome that maybe SGMA is starting to trickle down to the grower level. It seems

as if now landowners are asking to get on surface water. The next meeting has been tentatively scheduled for June 21, 2021.

F. REPORT OF GENERAL MANAGER

1. Water Supply Report as of 06/07/21

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 134,106 AF in storage at New Hogan Reservoir. Current releases are set at 165 cfs. Current release at Goodwin Dam to Stanislaus River are set at 1,194 cfs and release to all water users are set at 166 cfs. There are 10 irrigator(s) on New Hogan, 6 irrigator(s) on New Melones and 0 Out-of-District irrigator(s). The water treatment plant is currently processing 31 mgd. The City of Stockton is currently processing 23 mgd.

2. Information Items:

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

3. Report on General Manager Activities

a. Stockton East Water District Activities Update

Manager Moody inquired if the Board would like staff to move forward with the phytophthora study or if they would like to provide input first. Director McGurk inquired what will happen with the study after it is complete. Manager Moody replied that the intent was to refresh the old study and reassure landowners that they can use surface water without harming crops. Director Cortopassi inquired if this study is supposed to offset the fallacy that surface water ruins crops. Manager Moody replied yes. Director Cortopassi replied the study needs to be concise and verifiable so that landowners have no reason to go against the results and not pump surface water. Director Atkins inquired on the location of the samples to be taken. Assistant Manager Hopkins replied there are 40 sites, with a plan to sample each 3 times, totaling to 120 samples of soil. There will be 6 sites to sample water from the river and 20 sites to sample water where it exits the on-farm irrigation systems. Manager Moody added that staff is looking for a comprehensive overview within this study.

Director Sanguinetti reported there is also a moss issue in the water. He suggested staff look into what is causing it. Manager Moody replied staff will research. President Watkins added there is equipment that can be put in place to help landowners still pump water with moss. There are screens for pumps that would help with pumping water with moss.

G. DIRECTOR REPORTS (None)

H. COMMUNICATIONS (None)

I. AGENDA PLANNING/UPCOMING EVENTS

1. Eastern San Joaquin Groundwater Authority Joint Exercise of Powers Authority Meeting, 10:30 a.m., 06/09/21
2. San Joaquin County & Delta Water Quality Coalition Meeting, 9:00 a.m., 06/14/21

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 - Personnel
Government Code 54957

President Watkins adjourned the meeting to closed session at 1:03 p.m. to discuss closed session agenda items. The regular meeting reconvened at 1:28 p.m., with no reportable action.

K. ADJOURNMENT

President Watkins adjourned the meeting at 1:29 p.m.

Respectfully submitted,

Scot A. Moody
Secretary of the Board

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**STOCKTON EAST WATER DISTRICT
INVOICES FOR BOARD PACKAGE
CALPERS SPECIAL CHECK REQUEST
JUNE 15, 2021**

| Vendor name | District Fund# | Account # | Description | Amount | Invoice No. |
|--|----------------|-----------|---|---------------------|---------------------|
| 1 CA Public Employees Retirement System (CalPERS) | 70 | 10-5049-0 | Retirement Contributions for Payroll 06/11/21-Admin | 5,964.10 | 06/11/21 1245106351 |
| | | | Total Fund 70 Admin | \$ 5,964.10 | |
| 1 CA Public Employees Retirement System (CalPERS) | 71 | 10-5049-0 | Retirement Contributions for Payroll 06/11/21-WS-NM | 2,775.35 | 06/11/21 1245106351 |
| 2 CA Public Employees Retirement System (CalPERS) | 71 | 10-5058-0 | Retirement Contributions for Payroll 06/11/21-WS-NH | 1,258.63 | 06/11/21 1245106351 |
| | | | Total Fund 71 Water Supply | \$ 4,033.98 | |
| 1 CA Public Employees Retirement System (CalPERS) | 94 | 10-5049-0 | Retirement Contributions for Payroll 06/11/21-M&I | 17,440.11 | 06/11/21 1245106351 |
| | | | Total Fund 94 Municipal & Industrial | \$ 17,440.11 | |
| Grand Total for Special Check Request on RBM 06/15/21 | | | | \$ 27,438.19 | |

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**RESOLUTION OF THE BOARD OF DIRECTORS
OF STOCKTON EAST WATER DISTRICT**

RESOLUTION NO. 21-22-05

ADOPTING APPROPRIATIONS LIMIT FOR FISCAL YEAR 2021-2022

WHEREAS, Article XIII B of the California Constitution and Division 9, commencing with Section 7900, of Title 1 of the California Government Code require Stockton East Water District to adopt an Appropriations Limit for each Fiscal Year; and

WHEREAS, Stockton East Water District has determined that the appropriations limit for Fiscal Year 2021-2022 is \$1,647,679 while for Fiscal Year 2020-2021 it was \$1,535,725; and

WHEREAS, the documentation supporting such determination is set forth in Exhibit "A" which is attached hereto and incorporated herein by reference, and has been available to the public for over 15 days; and

WHEREAS, the estimated property tax revenue for the District for Fiscal Year 2021-2022 is \$490,000 which is substantially less than the Appropriations Limit and results in no impact on the budget;

NOW, THEREFORE, BE IT RESOLVED by the Board of Directors of Stockton East Water District that the Appropriations Limit set for the District for Fiscal Year 2021-2022 is hereby set at \$1,647,679.

PASSED AND ADOPTED by the Board of Directors of Stockton East Water District at a regular meeting thereof held on this 15th day of June, 2021, by the following vote:

- AYES:
- NAYES:
- ABSENT:
- ABSTAIN:

DRAFT

Andrew Watkins, President
Board of Directors

ATTEST: **DRAFT**

Scot A. Moody, Secretary

**EXHIBIT A
STOCKTON EAST WATER DISTRICT
2021-2022 APPROPRIATIONS LIMIT CALCULATIONS**

Changes (as provided by the Dept. of Finance, State of California, dtd May, 2021):

| | | | | | |
|---|-------------|---|------------|---|---------------------------|
| California per Capita Personal Income Index | | | | | 5.73 |
| Population (San Joaquin County) | | | | | 1.48 |
| Per Capita converted to a ratio: | <u>5.73</u> | + | <u>100</u> | = | 1.0573 |
| | | | 100 | | |
| Population converted to a ratio: | <u>1.48</u> | + | <u>100</u> | = | 1.0148 |
| | | | 100 | | |
| Calculation of Factor for FY 2021-2022 | | | | | |
| | 1.0573 | x | 1.0148 | = | 1.0729 |
| Appropriations Limitation FY 2021-2022: | | | | | |
| 2020-2021 Limit of | \$1,535,725 | x | 1.0729 | = | <u>\$1,647,679</u> |
| | | | | | (2021-2022 Limit) |



May 2021

Dear Fiscal Officer:

Subject: Price Factor and Population Information

Appropriations Limit

California Revenue and Taxation Code section 2227 requires the Department of Finance (Finance) to transmit an estimate of the percentage change in population to local governments. Each local jurisdiction must use their percentage change in population factor for January 1, 2021, in conjunction with a change in the cost of living, or price factor, to calculate their appropriations limit for fiscal year 2021-22. Attachment A provides the change in California's per capita personal income and an example for utilizing the price factor and population percentage change factor to calculate the 2021-22 appropriations limit. Attachment B provides the city and unincorporated county population percentage change. Attachment C provides the population percentage change for counties and their summed incorporated areas. The population percentage change data excludes federal and state institutionalized populations and military populations.

Population Percent Change for Special Districts

Some special districts must establish an annual appropriations limit. California Revenue and Taxation Code section 2228 provides additional information regarding the appropriations limit. Article XIII B, section 9(C) of the California Constitution exempts certain special districts from the appropriations limit calculation mandate. The code section and the California Constitution can be accessed at the following website: <http://leginfo.legislature.ca.gov/faces/codes.xhtml>.

Special districts required by law to calculate their appropriations limit must present the calculation as part of their annual audit. Any questions special districts have on this requirement should be directed to their county, district legal counsel, or the law itself. No state agency reviews the local appropriations limits.

Population Certification

The population certification program applies only to cities and counties. California Revenue and Taxation Code section 11005.6 mandates Finance to automatically certify any population estimate that exceeds the current certified population with the State Controller's Office. **Finance will certify the higher estimate to the State Controller by June 1, 2021.**

Please Note: The prior year's city population estimates may be revised. The per capita personal income change is based on historical data. Given the stay-at-home orders due to COVID-19, growth in the coming years may be substantially lower than recent trends.

If you have any questions regarding this data, please contact the Demographic Research Unit at (916) 323-4086.

KEELY MARTIN BOSLER
Director
By:

/s/ Erika Li

Erika Li
Chief Deputy Director

Attachment

- A. **Price Factor:** Article XIII B specifies that local jurisdictions select their cost of living factor to compute their appropriation limit by a vote of their governing body. The cost of living factor provided here is per capita personal income. If the percentage change in per capita personal income is selected, the percentage change to be used in setting the fiscal year 2021-22 appropriation limit is:

Per Capita Personal Income

| Fiscal Year (FY) | Percentage change over prior year |
|------------------|-----------------------------------|
| 2021-22 | 5.73 |

- B. Following is an example using sample population change and the change in California per capita personal income as growth factors in computing a 2021-22 appropriation limit.

2021-22:

Per Capita Cost of Living Change = 5.73 percent
 Population Change = -0.46 percent

Per Capita Cost of Living converted to a ratio: $\frac{5.73 + 100}{100} = 1.0573$

Population converted to a ratio: $\frac{-0.46 + 100}{100} = 0.9954$

Calculation of factor for FY 2021-22: $1.0573 \times 0.9954 = 1.0524$

Fiscal Year 2021-22

Attachment B
Annual Percent Change in Population Minus Exclusions*
January 1, 2020 to January 1, 2021 and Total Population, January 1, 2021

| County City | <u>Percent Change</u> | <u>--- Population Minus Exclusions ---</u> | | <u>Total Population</u> |
|------------------------|------------------------------|---|---------------|------------------------------------|
| | 2020-2021 | 1-1-20 | 1-1-21 | 1-1-2021 |
| San Joaquin | | | | |
| Escalon | 0.40 | 7,471 | 7,501 | 7,501 |
| Lathrop | 6.33 | 26,806 | 28,503 | 28,503 |
| Lodi | 1.09 | 68,011 | 68,751 | 68,751 |
| Manteca | 2.92 | 84,842 | 87,319 | 87,319 |
| Ripon | 3.00 | 15,818 | 16,292 | 16,292 |
| Stockton | 0.68 | 316,357 | 318,517 | 320,876 |
| Tracy | 2.86 | 95,861 | 98,601 | 98,601 |
| Unincorporated | 0.67 | 152,925 | 153,950 | 155,691 |
| County Total | 1.48 | 768,091 | 779,434 | 783,534 |

*Exclusions include residents on federal military installations and group quarters residents in state mental institutions, state and federal correctional institutions and veteran homes.

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Memorandum

To: Scot Moody, General Manager
From: Justin Hopkins, Assistant General Manager
Date: June 15, 2021
Re: New Melones Shutdown

Background

As part of the Stockton East Water District's (District) contract with the U.S. Army Corps of Engineers (Corps), the District is required to cease flows in the New Melones conveyance system each fall to allow for the Corps' inspection of Farmington Dam. During the seven to ten-day outage, the District schedules maintenance and project work in the Upper and Lower Farmington Canals that can only be performed when the canals are empty.

Summary

The District's FY21-22 budget funds four construction projects that must be completed while the New Melones conveyance system is out of service. The construction projects include:

1. Construction of one new low water crossing for the Whittle Ranch
2. Replacement of the Cooks low water crossing
3. Installation of the Funck Road Travelling Screens
4. Construction of a new flow measurement structure at the Goodwin Tunnel Outlet

Due to the scope and quantity of projects, District staff cannot complete all of the construction projects within the seven to ten-day outage required for the Corps' inspection. The estimated amount of time to complete each project is summarized in **Table 1**. All available Water Supply and Construction staff are required to complete the projects; however, the District does not have the resources or staff experience to complete the Tunnel Outlet Meter project.

| Line | Project | Est. Duration (weeks) |
|------|------------------------------|-----------------------|
| 1 | Whittle Ranch Crossing | 2 |
| 2 | Cooks Low Water Crossing | 4 |
| 3 | Funck Road Travelling Screen | 2 |
| 4 | Tunnel Outlet Meter* | 8 |
| 5 | Total | 8 |

* Constructed concurrently with other projects

Table 1. Project Duration Summary

Even with efforts to minimize the New Melones system outage by performing some projects concurrently, constructing concrete forms during the summer, hiring temporary labor, and contracting construction of the Tunnel Outlet Meter project, staff will still require an approximately 8-week long shutdown of the New Melones conveyance system. The New Melones shutdown could be decreased by allowing contractors less than eight weeks for

construction of the Tunnel Outlet Meter project, however a shorter construction window will directly increase the contract cost for construction. The estimated additional cost for contractor construction of the Tunnel Outlet Meter is \$163,800. The District is saving an estimated \$321,200 by allowing District forces to construct the Whittle Ranch crossing (\$92,000), the Cooks low water crossing (\$154,700), and the Funck Road Travelling Screen (\$74,500), compared to the estimated costs for contractor construction.

Next steps:

Confirming the allowable timeframe for construction and determining the estimated construction start date is necessary so staff can advertise for construction bids in a timely manner. Confirmed dates and time frames will also decrease the chances of change orders after bid award. Pending no objection from the Board, staff will:

- Continue preparing the bid documents for the Tunnel Outlet Meter project;
- Make all necessary arrangements for construction of the Whittle Ranch Crossing, Cooks Low Water Crossing Replacement, and Funck Road Traveling Screens projects;
- Plan for a New Melones system shutdown of eight weeks beginning on or about October 18, 2021.

Memorandum

To: Scot A. Moody – General Manager
From: Justin M. Hopkins – Assistant General Manager
Date: June 15, 2021
Re: FY2021 – 2022 Budgeted Vehicle Purchase

Background

The approved FY21-22 budget includes \$55,000 for the purchase of two new, additional, light duty pick-up trucks for water supply operations. The new trucks will be used in-lieu of the District's current heavy duty service body trucks. The heavy duty service body trucks will be repurposed for maintenance and construction staff use.

Summary

District staff have considered the vehicles available through the State Contract and determined a four-wheel drive Ford F-150 extended cab is the least expensive and best suited option for the intended use. The District received a quote of \$31,743.46, which includes the State Contract cost for the vehicle plus a 3% increase for the 2022 model year (\$25,991), Bluetooth/cruise control (\$1,099), a spare key (\$189), and all taxes and fees (\$4,464.46). The total cost for two trucks is \$63,486.92. The purchase may require a future budget amendment to Fund 91 to increase the budget, however staff estimates the overall Fund 91 expenses will be less than the total Fund 91 budget of \$214,000.

Recommendation

Staff recommends the Board authorize the General Manager to purchase two new trucks, as detailed in attached Quote No. 42627, for \$63,486.92 plus a 5% contingency for a total not to exceed cost of \$66,661.27. The estimated 32-week or less lead time allows sufficient time to receive the new trucks prior to the end of the fiscal year.

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Memorandum

To: Scot A. Moody – General Manager
From: Justin Hopkins – Assistant General Manager
Date: June 15, 2021
Re: HSPS SCADA Integration

Background

The Stockton East Water District's (District) annual budget for fiscal year 2021/2022 includes the integration of the High Service Pump Station (HSPS) into the District's existing Supervisory Control and Data Acquisition (SCADA) system. Staff developed a scope of work for the HSPS integration and released the scope of work to Control Point Engineering to receive a proposal.

Summary

Control Point Engineering (CPE) submitted a proposal to upgrade the HSPS programmable logic controller (PLC) and integrate the facility into the District's SCADA system for a cost of \$539,437. CPE has been supporting the District's SCADA efforts since 2018 through development of the SCADA system, integration of the raw water system, integration of the filters, development of PLC programming standards, and development of HMI programming standards. Continued engagement of CPE for integration of the HSPS will provide a seamless continuation of the District's SCADA integration efforts and the integration will be in alignment with the District's standards.

Recommendation

District staff recommends the Board authorize the General Manager to execute a Professional Services Agreement with Control Point Engineering for the proposal amount of \$539,437, plus a 10% contingency for a total approval amount of \$593,380. The cost is within the approved budget of \$757,200.



June 7, 2021

Mr. John Vernier
Special Projects Manager
Stockton East Water District
6767 E Main Street
Stockton, CA 95215-1527
JVernier@sewd.net

RE: Proposal for High Service Pump Station PLC & SCADA Upgrade

Project Number: SEWD21-009

Mr. Vernier:

This document describes our proposal to provide a comprehensive PLC & SCADA upgrade for all the processes connected to the High Service Pump Station (HSPS) PLC. These processes include the Finished Water Reservoir, High Service Pumps, Backwash Pumps, Constant Head Tank, and Standby Engine Generators. Spare I/O will be incorporated into the design for the future Sludge Polymer System and the future Utility Water Pump Station.

The attached fee summary details the associated labor tasks and their costs. The attached materials list contains a complete bill of material for the new control panel components. The attached project schedule illustrates the proposed workflow, task durations, and monthly personnel hours required to complete the project within the time period specified in the District's request for proposal (RFP).

Whether specifically listed in this document or not, our offer includes all of the tasks and deliverables itemized within the District's RFP.

Scope of Work

Our offer includes the following:

1. Project Management
2. Field Investigations & Verification of Existing Panel Drawings
3. Design Meetings & Submittals
4. PLC Upgrade Design
5. Back Panel Assembly & Testing
6. PLC Programming
7. SCADA System Development
8. Software Bench Testing
9. Cutover Plan & Testing Signoff Forms
10. Site Acceptance Testing
11. System Cutover: Installations, Loopchecks, Function Tests, Operational Tests
12. As-Built Documentation
13. Training
14. Materials



1. Project Management

We have included time for bi-weekly project management meetings and ongoing project-related correspondence and coordination throughout the project. We anticipate a total of 20 bi-weekly meetings over the 9-month duration of the project, with an average duration of 1.5 hours for each meeting.

Labor: 76 hours Cost: \$15,360

2. Field Investigations & Verification of Existing Panel Drawings

The existing HSPS control panel, pump control panels, and field devices will be investigated and verified against the existing panel drawings. Redlines will be made for any discrepancies that are discovered. It is necessary to have all of the existing panel wiring and devices field-verified and inventoried so that everything is accounted for prior to the design and cutover activities.

Labor: 64 hours Cost: \$10,240

3. Design Meetings & Submittals

We anticipate several meetings and submittals will be needed in order to complete the control panel design and develop a comprehensive control strategy for all of the processes controlling by the HSPS PLC. Our design submittals will include control panel drawings and control strategy document iterations.

Labor: 56 hours Cost: \$8,400

4. PLC Upgrade Design

We will use the existing and abandoned P-29 enclosure to house a new redundant PLC section and two Remote I/O (RIO) sections. The existing enclosure will receive new backpanels with new PLC hardware, terminal blocks, fuses, breakers, and panel wiring. We will design all-new backpanels for each of the three (3) panel sections and detail the wiring for every PLC I/O point. The existing HSPS control panel will remain in place and serve as a Marshalling Panel. This will allow the existing wiring between the field devices and the existing HSPS Control Panel to remain in place. The design will incorporate new conduit and wire from the existing HSPS Control Panel (repurposed as a Marshalling Panel) to the new HSPS Control Panel.

We will also write detailed control strategies for all processes connected to the HSPS PLC. These written control strategies will serve as the roadmap for the PLC programming and SCADA development tasks.

Labor: 254 hours Cost: \$34,760

5. Back Panel Assembly & Testing

Once the new control panel design is approved, we will procure, assemble, and test three (3) new 72"H x 33"W back panels per the design drawings.

Labor: 156 hours Cost: \$26,400



6. PLC Programming

A new pair of redundant PLCs will be programmed per the control strategies developed in Task 4 and the District's PLC standards. The existing HSPS PLC code will not be re-used and all-new code will be developed within the RSLogix 5000 Studio software environment.

The new processor pair will be installed in the new HSPS Control Panel and will communicate to the plant's SCADA and PLC Networks through redundant Ethernet cards.

Labor: 532 hours Cost: \$81,480

7. SCADA System Development

We will develop new control graphics and tag templates within the District's new Ignition® SCADA application, while also providing process visualization, setpoint manipulation, alarming, and trending for all processes connected to the HSPS PLC. These new SCADA controls will replace the functionality of the existing Panelviews at the HSPS and the plant Control Room. A new Ignition® Edge SCADA node will be provided, configured, and installed at the HSPS to provide local process control and visualization of the HSPS processes. Control and visualization for the other parts of the plant will be available from the new HSPS SCADA node.

Labor: 768 hours Cost: \$92,920

8. Software Bench Testing

We will demonstrate and test the new PLC code alongside the new SCADA application objects in our development lab alongside District witness(es). This labor-intensive exercise provides an opportunity to find development bugs prior to field deployment. We will test display points, setpoints, alarms, and control strategy functions during this exercise.

All deficiencies captured during the testing activities will be corrected. We have also included time in this task to incorporate minor improvements that have not been previously considered.

Labor: 184 hours Cost: \$25,520

9. Cutover Plan & Testing Signoff Forms

The cutover activities for this project will require careful coordination with District staff and as such we have provided time for cutover planning meetings with the District. Deliverables from this task include a written Cutover Plan document, Acceptance Testing Signoff forms, and Alarm Testing Signoff forms.

Labor: 80 hours Cost: \$13,520

10. Site Acceptance Testing

We will demonstrate and test each of the three (3) new back panels onsite with plant staff. It is important to thoroughly test each panel's wiring and PLC/HMI functionality prior to the cutover activities. We want to make the cutover activities go as smoothly as possible by carefully testing each back panel section in a consequence-free environment. We will simulate and test each of the panel I/O points against the HMI control screens in the presence of operations and maintenance staff.

Labor: 200 hours Cost: \$29,760



11. System Cutover: Installations, Loopchecks, Function Tests, Operational Tests

After careful planning and in alignment with the District's operations and maintenance groups, we will install the new back panels inside the existing P-29 control panel. Once installed, and in accordance with the Cutover Plan developed in Task 9, new field wiring from the existing HSPS Control Panel (i.e. Marshalling Panel) will be landed on the new panel terminal blocks. Pumps and processes will be cutover one at a time and with the existing HSPS PLC still in service. Each I/O point that is cutover will be loop checked to/from the corresponding field device and through the Marshalling Panel. Once loop checks are completed, the PLC code and HMI functionality will be tested. Functional tests will be performed with operations staff as each pump and field device are cutover. We have planned for our programming team and our installer to be onsite during each of the pump cutovers.

Labor: 312 hours Cost: \$48,240

12. As-Built Documentation

Our final documentation package reflecting all field changes made during the cutover activities will be provided to the District. At minimum, our final documentation package will include the following:

1. Cutover Plan
2. Control System Handbook
3. IO Index Spreadsheet
4. Control Panel Drawings
5. SCADA Architecture Diagram
6. PLC Architecture Diagram
7. PLC Programs
8. SCADA Applications
9. SCADA Training Manual
10. Acceptance Testing Signoff Forms
11. Alarm Testing Signoff Forms

Labor: 52 hours Cost: \$7,200

13. Training

We will provide PLC Panel, PLC code, and SCADA Application training for the Maintenance group.

We will also provide SCADA Application User training sessions for the Operations group. The training sessions for Operations will focus on the capabilities and features of the SCADA application.

Labor: 64 hours Cost: \$10,240

14. Materials

We will provide all of the equipment listed in the attached Materials List.

Cost: \$135,397

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Board of Directors Meeting

AGENDA

Wednesday, June 9, 2021

10:30 a.m. – 12:00 p.m.

Teleconference Only

Call-In Information Provided

- I. **Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call** (*Please remember to keep your phone line muted and unmute when announcing yourself for attendance or speaking)
- II. **SCHEDULED ITEMS – *Presentation materials to be posted on ESJGroundwater.org and emailed prior to the meeting. Copies of presentation materials will be available at the meeting.***
 - A. **Action/Discussion Items:**
 1. Approval of minutes of March 10, 2021 (Attached)
 2. Approval of FY 21/22 budget (Attached)
 3. Resolution rescinding R-20-06 and adopting a resolution authorizing the secretary of the GWA to approve expenditures and execute contracts within the designations and limitations of the approved budget (Staff Report and Resolution Attached)
 4. DWR comment response plan (Staff Report & DWR Handout Attached)
 5. FIROMAR concept, DWR opportunity and consistency with the GSP
 6. Basin accounting framework
 - B. **Staff/DWR Report**
 1. Drought Conditions and Response
 2. DWR Update
- III. **Directors' Comments and GSA Status Reports** (2021 Annual Report Table A-1 Project Progress Attached)
 1. Central Delta Water Agency (CDWA)
 2. Central San Joaquin Water Conservation District (CSJWCD)
 3. City of Stockton
 4. City of Lodi
 5. City of Manteca
 6. City of Stockton
 7. Eastside San Joaquin GSA
 8. Linden County Water District (LCWD)
 9. Lockeford Community Services District (LCSD)
 10. North San Joaquin Water Conservation District (NSJWCD)
 11. Oakdale Irrigation District (OID)
 12. San Joaquin County #1
 13. San Joaquin County #2 (Cal Water)

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors Meeting

AGENDA

(Continued)

14. South Delta Water Agency (SDWA)
15. South San Joaquin Irrigation District (SSJID)
16. Stockton East Water District (SEWD)
17. Woodbridge Irrigation District (WID)

- IV. **Secretary Report**
- V. **Public Comment (non-agendized items)**
- VI. **Future Agenda Items**
- VII. **Adjournment**

NOTICE: Coronavirus COVID-19

See Attached Notice Regarding COVID 19, Closure of Board Chambers to the Public During the Eastern San Joaquin Groundwater Authority Board of Directors Meeting and Teleconference Information

Next Regular Meeting

Wednesday, September 8, 2021

10:30 a.m. – 12:00 p.m.

Location TBD

Action may be taken on any item

Agendas and Minutes may also be found at <http://www.ESJGroundwater.org>

Note: If you need disability-related modification or accommodation in order to participate in this meeting, please contact San Joaquin County Public Works Water Resources Staff at (209) 468-3089 at least 48 hours prior to the start of the meeting.

Important Notice Regarding COVID 19 and Closure of Board Chambers to the Public During Eastern San Joaquin Groundwater Authority Board of Directors Meetings

On March 18, 2020, Governor Gavin Newsom issued Executive Order N-29-20 recognizing that COVID 19 continues to spread throughout our community resulting in serious and ongoing economic harm. Governor Newsom has therefore waived certain requirements of the Ralph M. Brown Act relating to public participation and attendance at public meetings.

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors Meeting

AGENDA

(Continued)

Based on guidance from the California Department of Public Health and the California Governor's Officer, *effective immediately* and while social distancing measures are imposed, Board chambers will be closed to the public during the Eastern San Joaquin Groundwater Board of Directors Meetings.

In order to minimize the spread of the COVID 19 virus, the following options are available to members of the public to listen to these meetings and provide comments to the Board of Directors before and during the meeting:

1. You are strongly encouraged to listen to the Eastern San Joaquin Groundwater Authority Board of Directors meetings by attending the teleconference:

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+1 209-645-4071 United States, Stockton

Phone Conference ID: 239 455 833#

[Find a local number](#) | [Reset PIN](#)

[Learn More](#) | [Meeting options](#)

If you are connecting to Microsoft Teams for the first time, you will need to download the program to you PC. You can also download the Microsoft Teams App to you Apple or Android device by visiting the App Stores.

Once connected, we request you kindly mute your phone.

2. If you wish to make a comment on a specific agenda item, please submit your comment via email by 5:00 p.m. on the Tuesday prior to the meeting. Please submit your comment to the Clerk/Secretary of the Board at kmsith@sjgov.org. Your comment will be shared with the Board members and placed into the record at the meeting. Every effort will be made to read comments received during the meeting into the record but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

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SAN JOAQUIN COUNTY AND DELTA
WATER QUALITY COALITION
STEERING COMMITTEE MEETING

Monday, June 14, 2021
9:00 am to 10:30 am

Join Zoom Meeting:
<https://us02web.zoom.us/j/86016155024?pwd=UGt1L2I5UTU1Tzg2dFo4VDdncWRnQT09>
Phone: 1 669 900 9128

Meeting ID: 889 6687 6702
Passcode: 451832
One tap mobile: +16699009128,,88966876702#,,,,*451832#

AGENDA

1. **Call to Order** 9:00am (Michael Wackman)
Roll Call/Introduction of Guests
Acceptance of Agenda
2. **Approval of Minutes**
3. **Financial Report** (Michael Wackman)
 - a. Coalition Financials
4. **Membership** (Ruth Mulrooney)
 - a. Update on Membership
5. **Program Manager's Report** (MLJ-LLC) –
 - a. Program Report
6. **WDR Implementation** (Michael Wackman)
 - a. Grower meetings
 - i. Groundwater - Almond grower outreach
 - ii. Surface Water – Watershed pyrethroid exceedences grower outreach
7. **Old Business**
 - a. Delta Regional Monitoring Program
 - b. CV Salts
8. **New Business -**
9. **Public Comments** (Limited to 3 minutes per speaker)

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| Weekly Water Report | As of: June 7, 2021 | As of: June 14, 2021 |
|-------------------------------------|------------------------|-------------------------|
| New Hogan (NHG) TOC | 317,100 | AF |
| Storage: | 134,106 | AF |
| Net Storage Change: | -2,750 | AF |
| Inflow: | -9 | CFS |
| Release: | 165 | CFS |
| New Melones (NML) Allocation | 75,000 | AF |
| Storage: | 1,337,729 | AF |
| Net Storage change: | -24,641 | AF |
| Inflow: | 334 | CFS |
| Release: | 2,846 | CFS |
| Source: CDEC Daily Reports | | |

| Goodwin Diversion (GDW) | | |
|--|------------|-----|
| Inflow (Tulloch Dam): | 2,801 | CFS |
| Release to Stanislaus River (S-98): | 1,194 | CFS |
| Release to OID (JT Main): | 782 | CFS |
| Release to SSJID (SO Main): | 383 | CFS |
| Release to SEWD: | <u>166</u> | CFS |
| Total Release | 2,525 | CFS |
| Source: Tri-Dam Operations Daily Report | | |
| Farmington Dam (FRM) | | |
| Diverted to SEWD: | N/A | CFS |
| Diverted to CSJWCD: | 0 | CFS |
| Source: USACE WCDS Hourly Report | | |

| Surface Water Used | | |
|-----------------------------------|----|-----|
| Irrigators on New Hogan: | 10 | |
| Irrigators on New Melones: | 6 | |
| Out-Of-District Irrigators: | 0 | |
| DJWWTP Production: | 31 | MGD |
| North Stockton: | 0 | MGD |
| South Stockton: | 7 | MGD |
| Cal Water: | 24 | MGD |
| City of Stockton DWSP Production: | 23 | MGD |

| District Ground Water Extraction | | |
|---|----------|------------|
| 74-01 | 0 | GPM |
| 74-02 | 0 | GPM |
| North | 0 | GPM |
| South | 0 | GPM |
| Extraction Well # 1 | <u>0</u> | GPM |
| Total Well Water Extraction | 0 | GPM |

Note: All flow data reported here is preliminary and subject to revision.

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