

Board Members:

San Joaquin County Robert Rickman - Chair

Stockton East Water District Mel Panizza - Vice Chair

California Water Service Company Jeremiah Mecham

Central Delta Water Agency George Biagi Jr.

Central San Joaquin Water Conservation District Grant Thompson

City of Lodi Alan Nakanishi

City of Manteca David Breitenbucher

City of Stockton Dan Wright

Eastside San Joaquin GSA Gary Tofanelli

Linden County Water District Myron Blanton

Lockeford Community Services District Mike Henry

North San Joaquin Water Conservation District Jason Colombini

Oakdale Irrigation District Eric Thorburn

South Delta Water Agency John Herrick

South San Joaquin Irrigation District Robert Holmes

Woodbridge Irrigation District Keith Bussman

Board of Directors

AGENDA

Wednesday, January 10, 2024 10:30 a.m. – 12:00 p.m. San Joaquin County Robert J. Cabral Agricultural Center 2101 E. Earhart Avenue, Stockton, CA 95206

- I. Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call
- II. Scheduled Items -
 - A. Discussion / Action Items:
 - 1. Approval of the September 13th, 2023 Meeting Minutes
 - 2. 2024 Calendar for Board and Steering Committee
 - 3. Discussion and Possible Action on a Draft Well Mitigation Program
 - 4. Approval of ESJ Budget Amendment Increasing Revenues and Expenditures by \$790,120.00, Authorizing Use of \$310,000.00 in Reserves, and Approving the Table of Increased Dues for ESJGWA Members to Cover Additional Appropriations
 - Approval of a Consultant Services Agreement with Woodard & Curran for the 2025 Groundwater Sustainability Plan Update for an Amount Not to Exceed \$1,130,120.00

III. Staff/DWR Reports

- A. Staff Reports
- B. DWR Report
- IV. Directors Comments and Project Status Reports
- V. Public Comment (items not on the agenda)
- VI. Future Agenda Items
- VII. Adjournment

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY Board of Directors Meeting

Please feel free to join the ESJ GWA Board Meeting virtually using the Microsoft Teams link below:

Microsoft Teams Meeting

Join on your computer, mobile app or room device

Click here to join the meeting

Meeting ID: 293 312 674 470

Passcode: fDdZHF

Download Teams | Join on the web Join with a video conferencing device

sjcisd@m.webex.com

Video Conference ID: 117 699 535 4

Alternate VTC instructions

Or call in (audio only)

+1 209-645-4071,,897690604# United States, Stockton

Phone Conference ID: 897 690 604#

Action may be taken on any item

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.

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

Next Regular Meeting

Wednesday, March 13th, 2024 10:30 a.m. – 12:00 p.m. San Joaquin County Robert J. Cabral Agricultural Center

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY Board Meeting Minutes September 13th, 2023

I. CALL TO ORDER/PLEDGE OF ALLEGIANCE & SAFETY ANNOUNCEMENT/ROLL CALL

The Eastern San Joaquin Groundwater Authority (GWA) Board Meeting convened at the Robert J. Cabral Agricultural Center in Stockton CA (2101 E. Earhart Avenue, Stockton CA). At approximately 10:30 a.m., the meeting was called to order by Chairman Robert Rickman.

In attendance were Directors and Alternates: Jeremiah Mecham, David Breitenbucher, Mike Henry, Jason Colombini, Eric Thorburn, John Herrick, Robert Holmes, Keith Bussman, Mel Panizza, Dante Nomellini, Charlie Swimley, Douglas Smith, Secretary Fritz Buchman and Chairman Robert Rickman.

II. SCHEDULED ITEMS

A. Discussion/Action Items:

1. Approval of the August 9th 2023 Meeting Minutes

Motion: David Breitenbucher

Second: Mike Henry

All in favor

2. Approve a Letter of Agreement with the South San Joaquin Irrigation District for Staff Support Services

Motion: Charlie Swimley **Second:** Mel Panizza

In favor: Jeremiah Mecham, David Breitenbucher, Mike Henry, Jason Colombini, Eric

Thorburn, John Herrick, Dante Nomellini, Douglas Smith, Robert Rickman

Abstain: Robert Holmes and Keith Bussman

3. Approve Draft Response to the San Joaquin County Civil Grand Jury

Motion to approve with the addition of clarification that the GSAs have obligations to SGMA, the GWA was formed to coordinate some but not all efforts, not mentioned is all outreach that the individual GSAs did for the amended plan. In addition, delegation to the Steering Committee to approve the response and some efforts will be implemented but not by November 1st.

Motion: Jason Colombini **Second:** David Breitenbucher

In favor: Jeremiah Mecham, Mike Henry, Eric Thorburn, John Herrick, Dante Nomellini, Douglas Smith, Robert Holmes, Mel Panizza, Robert Rickman, Charles Swimley

Abstain: Keith Bussman

4. Approve a Budget Adjustment in the Amount of \$192,571 for Remaining Grant Funds Awarded Under Proposition 68

No discussion or comment

Motion: John Herrick Second: Eric Thorburn

In favor: Jeremiah Mecham, David Breitenbucher, Mike Henry, Jason Colombini, Robert Holmes, Mel Panizza, Robert Rickman, Dante Nomellini, Charlie Swimley, Douglas Smith

Abstain: Keith Bussman

5. Direct Staff to Respond to the Department of Water Resources' Request for Model Data

Motion: Jeremiah Mecham Second: Charles Swimley

All in favor

III. STAFF Reports/DWR Report

A. Staff Report - none

B. DWR Report

Final funding went out this morning for SGMA grants.

IV. **DIRECTORS COMMENTS**

None

V. PUBLIC COMMENTS

None

VI. FUTURE AGENDA ITEMS

None

VII. ADJOURNMENT at 11:59 AM



Memo

To: Eastern San Joaquin Groundwater Authority (GWA) Board of Directors

From: Brandon Nakagawa

RE: 2024 Calendar for Board and Steering Committee

Date: January 10th, 2024

Summary: The Board will consider adoption of the annual meeting calendar

Discussion: Meeting Calendar: Bylaws Article V, Meetings, Section 1. Regular and Special Meetings states that the Board shall hold a regular meeting on the second Wednesday of each month, at 9:30 a.m., or at a time, specified by the Authority Board. The Authority's Board may designate the location of such regular meetings in a duly adopted Resolution of the Authority Board. Any regular meeting may be rescheduled on an individual basis as to date, time and place, by motion of the Authority Board or at the direction of the Authority Secretary, in the event of a conflict with holidays, Directors' schedules, or similar matters, or, in the event of a lack of a quorum. Special meetings may be called. All Board and standing committee meetings are conducted in accordance with the California Ralph M. Brown Act by the Chair, or by any nine Directors.

After adoption of the Groundwater Sustainability Plan, the Board sought to schedule meetings quarterly and schedule special meetings as necessary via notice per Section 5 of the bylaws. The proposed GWA Board Calendar below shows the quarterly meetings. The meetings are to be held at 10:30 at the Cabral Agricultural Center unless announced otherwise.

Proposed 2024 GWA Board Calendar
January 10, 2024
March 13, 2024
June 12, 2024
September 11, 2024
December 11, 2024

<u>Committees</u>: The GWA Steering Committee (SC) is the only standing committee of the Board and meetings are held at 9:30 the second Wednesday of every month. The SC coordinates activities between the meetings of the full Board and acts under direction of the Board. All meetings are subject to the Brown Act and duly noticed.



STAFF REPORT

TO: ESJGWA Board of Directors

FROM: Brandon Nakagawa, Interim Staff to the ESJGWA

SUBJECT: Draft Well Mitigation Program

Date: January 10, 2024

Recommendation

Staff recommends that Board of Directors discuss the Draft Well Mitigation Program per the recommendation of the Steering Committee on December 13, 2023.

Reasons for Recommendation

The ESJGWA made significant revisions to the 2020 Eastern San Joaquin Groundwater Sustainability Plan (GSP) to address the Department of Water Resources (DWR) initial incomplete determination. One of the items of particular concern to DWR was allowing for declines in groundwater levels ahead of reaching sustainability by 2040 (i.e. during droughts prior to the implementation of projects and management actions). Other critically overdrafted basins received similar comments from DWR and are also pursuing development of a well mitigation policy or program with varying degrees of success.

In 2022, the ESJGWA sent Technical Memorandum 2 to Paul Gosselin, DWR SGMA Chief, to specifically address domestic wells as referenced in DWR's inadequate determination comment letter. The following excerpt from Technical Memorandum 2 spells out the ESJGWA obligation to consider a well mitigation policy.

"The GSAs recognize that domestic wells may be impacted by declining groundwater levels, as well as other factors, including but not limited to, end of useful life. The GSAs intentionally set the minimum thresholds in the GSP to avoid domestic well failures due to declining groundwater levels. However, the GSAs recognize the need for a back-up process to mitigate the impact of GSP management on domestic well failures, if necessary. As part of the five-year update to the GSP, the GSAs, through the GWA, will identify additional management actions that can be implemented to address this situation, including considering development of a domestic well mitigation policy and program ("DWMP")."

Of particular relevance to the ESJGWA 2023-2024 Budget, there is \$70,000 in the currently budgeted for the development of a well mitigation program. Several GSA including North San Joaquin Water Conservation District, Stockton East Water District, and the South San Joaquin GSA, felt strongly that a consultant would not be necessary to develop the well mitigation program. Instead, the four GSAs developed the attached draft concept outline of a Well Mitigation Fund for the Steering Committee to discuss on December 13. The Steering Committee unanimously approved the recommendation that the Board also have the opportunity to provide input and direction on the draft concept.

Subsequently on December 13, the Steering Committee recommended that the \$70,000 savings be rolled into the ESJGWA Budget Amendment which is scheduled for consideration by the Board of Directors on January 10, 2024.

Attachment

Well Mitigation Fund – Admin Draft Outline – 11/21/23 – For Discussion Purposes Only

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Well Mitigation Fund - Admin Draft Outline - 11/21/23 - For Discussion Purposes Only

 Purpose – To provide mitigation for domestic wells that fail due to overdraft pumping that occurred after January 1, 2015.

2. Fund

- a. Set up initial fund at ESJ GWA with contributions from each GSA.
- b. Propose \$200,000 initial fund per next year budget (July 1, 2024) build into GWA
 budget so it is allocated same as budget is allocated.

3. Claims Process

- a. Well owner or user can contact OES, GSA, GWA or County Environmental Health re a failed well. GWA will create pamphlets to hand out that describe this claim process.
- b. GWA will establish a Committee to review and decide claims, which includes:
 - i. The District Engineer for GSA where well located
 - ii. Hydrologist hired by GWA (obtain short list of pre-approval contractors)
 - iii. SJC Environmental Health Officer
 - iv. Community Advocate (Self-Help?)

c. Interim water supply

- The Committee will provide an interim supply for up to 3 weeks while claims are processed. If claim accepted, interim water supply will continue until mitigation completed.
- ii. Can Self-Help provide this service?
- d. Types of Claims that Are Subject to Mitigation
 - Well failure due to declining water levels caused by overdraft pumping that occurred after January 1, 2015.
 - ii. Well failure or inability to use for domestic purposes due to water quality degradation caused by overdraft pumping that occurred after January 1, 2015.
 - iii. Well failure due to subsidence caused by overdraft pumping that occurred after January 1, 2015.

e. Claim Processing Protocol:

- Collect Information: The Committee shall collect and evaluate information regarding the age of well, its depth, construction, screened interval, site conditions, and circumstances surrounding its failure.
- ii. Technical Report: The Committee shall support its recommendation regarding how to mitigate or deny a claim with a written technical report to the Steering Committee and Claimant.
- iii. Form of Mitigation: The Committee shall work with the claimant to structure the form of the mitigation, which can include financial assistance to the claimant to remedy the situation, or could include work funded by the GWA or a GSA to remedy the situation, or other reasonable solutions.
- iv. Recommendation: The Committee will recommend whether and how to mitigate or deny a claim in its Technical Report, subject to final decision by the Steering Committee.
- v. Appeal: Claimant or any GSA can appeal decision of Steering Comm to GWA Board. Decision of GWA Board final.

vi. Cause of failure

 Should Committee have ability to recommend finding of specific causation to the GWA, and recommend request for reimbursement from a specific GSA or pumper/group of pumpers? Recommend defer this to future if needed.

4. Timeline

- a. Draft to Interested Stakeholders (Jane, Mary-Elizabeth, Self-Help, Fritz) by November
 22. Ask for comments back by December 6^{th.}
- b. Draft to Steering Committee by December 13, 2023 meeting
- c. Draft to GWA Board by January 2024
- d. Final for approval to GWA Board by March 2024.



STAFF REPORT

TO: ESJGWA Board of Directors

FROM: Brandon Nakagawa, Interim Staff to the ESJGWA

SUBJECT: Approval of ESJ Budget Amendment Increasing Revenues and Expenditures

by \$790,120.00, Authorizing Use of \$310,000.00 in Reserves, and Approving the Table of Increased Dues for ESJGWA Members to Cover Additional

Appropriations

Date: January 10, 2024

Recommendation

Staff recommends that the ESJGWA Board of Directors approve the following as recommended by the ESJGWA Steering Committee December 13, 2023:

- 1. Approve an ESJGWA Budget amendment to reflect a \$790,120 increase in spending authority to be offset by an increase in revenues; and,
- 2. Approve the use of \$310,000 as revenues currently held in the ESJGWA Reserves; and,
- 3. Approve the table of increased Dues for ESJGWA Members which allocates an additional \$670,120 in costs using the allocation formula currently in use by the ESJGWA.

The primary purpose of the proposed actions are to amend the budget to reflect the cost of performing the 2025 Groundwater Sustainability Plan Update.

Reasons for Recommendation

The current ESJGWA budget was originally adopted on June 9th and amended on September 13th. An additional amendment is now needed to reflect the cost of performing the 2025 GSP Update. In a subsequent action, the ESJGWA will be asked to recommend the approval of the scope of work and budget for Woodard & Curran to perform the 2025 GSP Update for a not to exceed amount of \$1,130,120.

Staff has scoured the current budget for line items that can be deferred or eliminated in the current fiscal year. Additionally, the \$310,000 held in reserves specifically for the GSP update is proposed to be reallocated as Revenues. Several line items are also proposed to be adjusted to reflect current spending trends and progress on specific tasks. The table below shows which specific line items are proposed to be adjusted or "zeroed out".

ESGWA Budget Line Items	Line Item Increase to/(Reduce to)	Net Change
REVEUES		
Additional GWA Cost Allocation (GSP Update)	670,120	670,120
Reserve Balance for Use on GSP Update	\$310,000	\$310,000
Carryover (Use of Fund Balance)	0	\$(130,000)
Reimbursement from GSAs for Grant Writing	0	\$(60,000)
EXPENDITURES		
MANAGEMENT AND ADMINISTRATION		
Meetings (Clerk and Records)	\$20,000	\$(20,000)
Professional Services PW Admin.	\$50,000	\$(10,000)
Professional Services Public Outreach, Communications,	0	\$(62,000)
Interbasin & DWR Coordination	0	\$(6,000)
Grant Writing	0	\$(112,000)
TECHNICAL AND ENGINEERING SERVICES		
Accelerated GSP Modeling Work	\$60,000	\$60,000
GSP 2025 Update	\$1,130,120	\$1,130,120
Groundwater Data Collection	\$60,000	\$28,000
Implementation of Instrumentation (Representative Wells)	0	\$(7,500)
Monitoring Network Evaluation	0	\$(5,000)
Monitoring Network Improvements (wells; SW/GW Interact)	0	\$(5,000)
DMS Implementation	0	\$(23,000)
Model Development & Support	\$15,000	\$(7500)
Domestic Well Mitigation Program	0	\$(70,000)
CONTRIBUTIONS TO RESERVES		
Reserve Dedication	0	\$(100,000)
	Net Change in Revenues	\$790,120
	Net Change in Expenditures	\$790,120

The net shortfall in the ESJGWA budget is typically made up using Member Dues which is projected to be \$670,120 in the proposed Budget Amendment. The proposed increase in Member Dues is additive and in addition to the \$370,000 currently allocated to Members. The table below reflects the additional allocation to each Member GSA based on the net \$670,120 2023-24 ESJGWA Budget shortfall. It should also be noted that minimum dues are proposed to be increased from \$7,500 to \$15,000 to reflect the sizeable jump in proposed Member Dues. The ESJGWA Board of Director's consideration of the proposed Budget Amendment triggers the Super-majority vote clause (2/3 of Director's present) in Section 4.7.a. of the ESJGWA Joint Exercise of Powers Agreement.

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GSA	Total Pumping- Projected (AFY)	Population (2017)	Minimum	Pumping	Population	Additional Allocation	Current Allocation	Total	%
CDWA	9,611	1,629	\$15,000	\$3,102	\$468	\$18,569	\$8,575	\$27,144	2.8%
CSJWCD	138,809	8,047	\$15,000	\$44,797	\$2,310	\$62,107	\$33,880	\$95,987	9.3%
Eastside GSA	63,500	10,498	\$15,000	\$20,493	\$3,013	\$38,506	\$36,162	\$74,668	5.7%
LCSD	1,153	1,558	\$15,000	\$372	\$447	\$15,819	\$6,976	\$22,795	2.4%
LCWD	485	2819	\$15,000	\$157	\$809	\$15,966	\$7,061	\$23,027	2.4%
Lodi	14,520	58,174	\$15,000	\$4,686	\$16,696	\$36,382	\$18,928	\$55,310	5.4%
Manteca	18,985	64,279	\$15,000	\$6,127	\$18,448	\$39,575	\$20,784	\$60,359	5.9%
NSJWCD	146,158	21,977	\$15,000	\$47,169	\$6,307	\$68,476	\$37,582	\$106,058	10.2%
OID	39,952	1,890	\$15,000	\$12,894	\$542	\$28,436	\$14,309	\$42,745	4.2%
SDWA	4,532	7,136	\$15,000	\$1,463	\$2,048	\$18,511	\$8,540	\$27,051	2.8%
SEWD	165,025	41,134	\$15,000	\$53,258	\$11,806	\$80,063	\$44,317	\$124,380	11.9%
SJC #1	74,448	16,859	\$15,000	\$24,026	\$4,839	\$43,865	\$23,277	\$67,142	6.5%
SJC #2	8,183	39,779	\$15,000	\$2,641	\$11,417	\$29,057	\$14,671	\$43,728	4.3%
SSJ GSA	60,031	38,080	\$15,000	\$19,374	\$10,929	\$45,303	\$24,113	\$69,415	6.8%
Stockton	23,035	277,120	\$15,000	\$7,434	\$79,534	\$101,968	\$57,049	\$159,016	15.2%
WID GSA	31,238	8,488	\$15,000	\$10,081	\$2,436	\$27,517	\$13,776	\$41,293	4.1%
	799,665	599,467	\$240,000	\$258,072	\$172,048	\$670,120	\$370,000	\$1,040,120	100.0%

ESJ GWA Proposed Amendment No. 2 FY 2023-24 Budget

Revenue			020 2		
Revenue	Eastern San Joaquin Groundwater A	uthority			
GWA GSAS Cost Allocation (2025 GSP Update) 370,000	(Fund 21451)	Contract	Staff	Total	
GWA GSAs Cost Allocation (2025 GSP Update)	Revenue				
Reserve Enand-dedication Characteristics Contemor Country Contemor C	GWA GSAs Cost Allocation	370,000		370,000	
Other Govt Aid from Zone 2 State (DWR) Sustainable GW Grant Prop. 1 Retention Reimbursement					
State (DWR) Sustainable GW Grant					
Prop. 1 Retention Reimbursement					
Reimbursement from GSAs for Grant Writing Exp	, ,				
Carryover (use of fund balance)					
Interest Income	The moderate monit of the transfer the many Exp			00,000	
Interest Income	Carryover (use of fund balance)	130,000		130,000	
Expense		0		0	
Supplies	TOTAL REVENUES	960,000		960,000	
Supplies	Expense				
Office Expense 500 0 500 Website Maintenance 5,000 2,000 7,000 Rents Structures & Grounds 5,000 0 0 0 Rents Structures & Grounds 5,000 0 5,000 0 5,000 Postage 1,000 0 1,000 0 1,000 Auditor's Payroll & A/P Charges 1,000 0 1,000 0 1,000 Mulditor's Payroll & A/P Charges 1,000 0 1,000 0 1,000 Mulditor's Payroll & A/P Charges 1,000 0 1,000 0 1,000 Mulditor's Payroll & A/P Charges 1,000 0 1,000 0 1,000 0 1,000 1,000 1,000 0 1,000 1,500 1,000 1,	General Office				
New State Maintenance	Supplies	500	0	500	
Website Maintenance 5,000 2,000 7,000 Rents Structures & Grounds 0	Office Expense	500	0	500	
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Postage	Rents Structures & Grounds			· ·	
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	Reserve Balance June 30, 2024			410,000	

R-23-02 Amendment No. 1 9/13/2023									
Contract	Staff	Total							
370,000		370,000							
225 000		225,000							
225,000 367,571		367,571							
60,000		60,000							
130,000		130,000							
0		0							
1,152,571		1,152,571							
500	0	500							
500	0	500							
5,000	2,000	7,000							
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5,000 0	0	5,000							
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215,000	77,500	292,500							
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367,571	7,500	375,071							
367,571	7,500	375,071							
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875,571	277,000	1,152,571							
		\$310,000							
		\$100,000 \$410,000							

R-24- Proposed Amendment No. 2									
Contract	1/10/2024 Staff	Total							
Contract	Stan	Total							
370,000		370,000							
670,120		670,120							
310,000		310,000							
225,000		225,000							
367,571		367,571							
0		0							
0		0							
0		0							
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Contract	Staff								
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15,000	0	15,000							
15,000	0	15,000							
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0	0	0							
30,000	130,000	160,000							
1,130,120	0	1,130,120							
55,000	7,500	62,500							
60,000	7,300	60,000							
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STAFF REPORT

TO: ESJGWA Board of Directors

FROM: Brandon Nakagawa, Interim Staff to the ESJGWA

SUBJECT: Approval of a Consultant Services Agreement with Woodard & Curran for the

2025 Groundwater Sustainability Plan Update for a Not to Exceed Cost of

\$1,130,120

Date: January 10, 2024

Recommendation

Per the ESJGWA Steering Committee recommendation at their December 13 Meeting, the ESJGWA Board of Directors is recommended to approve a consultant services agreement with Woodward & Curran to perform the 2025 Groundwater Sustainability Plan (GSP) Update for a not to exceed cost of \$1,130,120:

Reasons for Recommendation

As directed by the Steering Committee on October 11th, staff has been negotiating with Woodward & Curran on a scope of work and budget to perform the 2025 GSP Update. At the November 8th Steering Committee meeting, Woodard & Curran presented detailed information on items driving the costs of GSP Updates across the San Joaquin Valley. Initial Eastern San Joaquin GSP Update estimates were well above the \$1.5 Million figure. Staff indicated that they would go back to Woodard & Curran with specific cuts to the scope of work, explore ways to leverage existing grant funds, explore facilitation services provided by DWR, and to scour the current budget for items that can be deferred or reduced. Even with these efforts, staff indicated that a significant increase in GSA Member dues would likely be necessary to cover the cost of 2025 GSP Update.

Reducing the cost of the GSP Update needed to be balanced with the goal of producing a GSP Update that has a fighting chance of meeting DWR's expectations. The Steering Committee and staff are very aware that a sub-par effort would likely put the Eastern San Joaquin Subbasin in jeopardy of having its 2025 GSP Update being deemed inadequate setting the stage for intervention by the State Water Resources Control Board.

Woodard & Curran has provided the attached scope of work and fee for the not to exceed amount of \$1,130,120. The following bullet points highlight the measures taken to reduce costs or leverage existing resources:

- Focus efforts on DWR requirements (Tasks 3, 4, and 5);
- Eliminate all "want to have" tasks i.e. Data Management System Upgrades and Monitoring Network Evaluation;
- Leverage \$50,000 in existing grant funds to create a fundable list of GSP implementation items.

- Explore utilizing DWR Facilitation Support Services to assist with outreach and stakeholder engagement (discussions with Stantec are in progress).
- Allocate a portion of ESJGWA consultant support to an optional task accessible only if needed and authorized by the ESJGWA Administrator.
- Reduce Woodard & Curran hours to attend meetings and make presentations to the ESJGWA Board and Steering Committee.
- Recommend creation of a GSA lead Project Management Committee to drive the GSP Update process across the finish line.

The Steering Committee unanimously recommended approval of a Consultant Services Agreement with Woodard& Curran at their meeting on December 13. If approved, staff will execute the agreement and issue a notice to proceed as soon as reasonably possible (target date: January 18).

Attachments

Woodard & Curran Scope of Work and Cost Estimate

ESJ 2025 GSP Update Scope of Work December 2023

ALREADY AUTHORIZED WORK

HCM and ESJWRM Updates - \$60K for W&C

This task includes expedited work required to address DWR's Recommended Corrective Actions and to update tools required for the GSP amendment in a timely manner. Work under this task includes the following:

Process AEM Data

The Department of Water Resources (DWR) is working on airborne electromagnetic (AEM) surveys for all of California's high- and medium-priority groundwater basins where data collection is feasible. AEM survey results in continuous images showing the distribution of electrical resistivity values of the subsurface materials that can be interpreted for lithologic properties. The resulting information will provide a standardized, statewide dataset that improves the understanding of large-scale aquifer structures and supports the development or refinement of hydrogeologic conceptual models and can help identify areas for recharging groundwater. The survey covering the Subbasin (Survey Area 6) was completed in April 2022 with data reports and datasets published May 2023. Consultant shall download, process, and review the AEM data covering the Subbasin and evaluate how it can improve the understanding of the Subbasin aquifers. AEM work can support updates to the HCM and model.

Review and Revise HCM Based on Updated Information

The update of the Hydrogeologic Conceptual Model (HCM) will utilize the most recent and readily available data since the 2020 GSP. Updates to the GSP's HCM section may include:

- Regional geologic and structural setting, and faults and structural features based on the AEM data and the fault studies.
- Geologic stratigraphy based on TSS monitoring wells.

Evaluate Model Updates

The existing Eastern San Joaquin Water Resources Model (ESJWRM) will be updated to incorporate the additional data and information that has been made available since adoption of the GSP. The following activities will be evaluated and may start immediately:

- Model Layering: Existing layering is based on an older version of C2VSimFG. ESJWRM will evaluate removing the deep saline layer, adding a shallow alluvium layer (based on evaluation of AEM data), and adjusting other layers based on updates in understanding or based on more recent data from C2VSimEG.
- Delivery Areas: Delivery areas need to be adjusted based on updated information from GSAs and due to finer analysis. Data has been made available to evaluate the surface water delivery to areas including riparian corridors, NSJWCD, and SEWD.

- Land Use: Model land use is current through 2016. More recent land use will be processed on and element scale for addition to the model.
- Farmington Reservoir: Recharge is not directly simulated in the model. Evaluate available data and consider explicitly adding recharge from Farmington Reservoir in the model.
- Begin Research on Changes to Datasets: Datasets that have long been earmarked as potentially needing changes include evapotranspiration, unsaturated zone, and boundary flows. Begin coordination and research on potential updates to these datasets.

ALREADY FUNDED WORK; NEEDS AUTHORIZATION

Work Plan for GSP Implementation - \$50K in Prop 68 SGP Round 2 funding

The SGMA Regulations provide a comprehensive description of what a GSP must include, but leaves it up to the GSAs to develop a plan for implementation. The big questions of how groundwater resources are to be shared, and how GSP implementation costs are allocated must dealt with early in the process to ensure an on-time GSP completion that is equitable and fair with maximum support of the stakeholder community. To provide support in answering this question, Woodard & Curran proposes the development of a work plan for the next 5 years of GSP implementation. This work plan would provide a implementation fee estimate and schedule for the GSAs to use in planning for resource and fiscal expenditures, and will include:

- 1. Developing a list of GSP (non-project) items to be implemented through 2030;
- 2. Developing cost estimate for the aforementioned list;
- 3. Develop a schedule for implementation of the aforementioned items;
- 4. Create a CIP-esque planning document that presents what funding is required and when;
- 5. Provide an overview of possible funding mechanisms with recommendations for obtaining outside funding to support GSA fiscal expenditures.

The GSAs can then utilize this work plan as a basis for allocating anticipated costs and to incorporate into their internal fiscal planning.

Deliverables

Work Plan for GSP Implementation through 2030

TASK 1: PROJECT MANAGEMENT AND COORDINATION

Task 1 focuses on the administrative and managerial efforts required to execute the project. This task includes general project activities internal to the GSP development team; project management meetings, budgeting, contract management, agency coordination, and project reporting.

1.1 Kick-Off Meeting

Upon Notice to Proceed from the ESJ GWA, the Project Manager will convene a kick-off meeting with the GWA Project Management Committee and principal Task Leaders. The meeting will review the roles and responsibilities, schedule, and required deliverables. An internal roster and communication protocol will be outlined. An initial schedule of internal coordination meetings will be provided, as well as a high-level plan for the suite of meetings outlined in Task 2. In preparation for this meeting, a project work plan will be prepared, detailing the key technical tasks; meetings, topics, and decision points; and milestones / deliverables throughout project execution. The work plan will serve as a guide that identifies how and

when technical work products will be reviewed by the various groups of stakeholders identified in Task 2. This road map will be updated throughout the project as part of Task 1.2.

Deliverables

• Kick-off meeting roster, agenda, project "road map", summary, and proposed meeting schedule

1.2 PMC Coordination Meetings

W&C will prepare for and attend bi-weekly meetings (every 2 weeks) with the Project Management Committee (PMC). The purpose of these meetings will be to communicate progress, coordinate the work effort, and troubleshoot challenges. These meetings will be 1-hour in length and conducted virtually. An estimated total of 30 PMC Coordination Meeting will be scheduled over the course of GSP evaluation, revision/amendment, and adoption. Discussion topics and a summary of key issues and decisions will be developed for each meeting.

Deliverables

Bi-weekly coordination meeting discussion topics and summaries of key issues and decisions

Assumptions

- All meetings will be held virtually and be 1-hour in length.
- Two members of the W&C team will attend every meeting; one other member of the W&C will attend 23 meetings; two other members of the W&C team will attend 8 meetings.
- If additional W&C support is requested, funds from the optional Task 6 could be authorized.

1.3 Website Updates

In coordination with the County and Stantec (acting under a Facilitation Support Services agreement to the GWA), Woodard & Curran will coordinate updates to the ESJ Subbasin website. This website will be the primary tool used for public communication and outreach, and will provide information about SGMA, proposed GSP revisions to address the Recommended Corrective Actions identified in the Department of Water Resources (DWRs) determination letter, meeting schedules, and any other information required for public outreach and communication.

1.4 DWR Coordination

On an as-needed basis, Woodard & Curran will outreach to DWR to facilitate discussions around proposed modifications and amendments to the ESJ GSP to address the Recommended Corrective Actions, to obtain feedback as required to inform decisions, and to generally solicit input as to acceptability on revised GSP chapters.

1.5 Contract Administration

Subtask 1.5 will cover contract administration activities including contract execution, monthly invoicing and progress reporting, general communications with the County, and other actions required to complete the scope of work identified in the project contract.

TASK 2: OUTREACH & COMMUNICATIONS

It is anticipated that outreach and communication will be directed to five primary groups of stakeholders during the 2025 GSP Update process:

- 1. Groundwater Authority (GWA) Board
- 2. Steering Committee
- 3. GSAs and GSA staff
- 4. Stakeholder Group
- 5. General Public

The GWA will utilize the Facilitation Support Services (FSS) available through DWR to provide the majority of the facilitation and outreach required as part of the update process. W&C's work under this task will support those efforts from a technical perspective and is anticipated to include the following tasks.

2.1 ESJ GWA Board Meetings

W&C will prepare for, attend, and present at three (3) meetings of the GWA JPA Board of Directors. These meetings are assumed to be a progress presentation, the draft GSP update, and the final adoption.

Deliverables

- Powerpoint presentations
- Summary of relevant GSP-related decisions/direction

Assumptions

- Two members of the W&C team will attend each of these meetings in-person; no other members will attend either in-person or remotely.
- If additional W&C support is requested, funds from the optional Task 6 could be authorized.

2.2 Steering Committee Meetings

W&C will prepare for, attend, and present at four (4) meetings of the Steering Committee. These meetings are assumed to be two (2) progress presentations, the draft GSP update, and the final GSP update.

Deliverables

- Powerpoint presentations
- Summary of relevant GSP-related decisions/direction

Assumptions

- Two members of the W&C team will attend each of these meetings in-person. For two of the four meetings, one additional member of the W&C team will attend virtually.
- If additional W&C support is requested, funds from the optional Task 6 could be authorized.

2.3 Stakeholder Group & General Public

This scope assumes that all outreach and engagement work with the Stakeholder Group and the general public will be completed under the FSS with DWR. Beyond providing already prepared materials for use, this scope assumes no W&C involvement and thus no budget for this task. If W&C is needed to support outreach and engagement to the Stakeholder Group and general public, Optional Task 6, described below, could be authorized.

2.4 GSAs & GSA Staff

This scope assumes that the GSAs and GSA representatives will take on the majority of the reporting out to their respective GSA that will be necessary as part of the GSP update process. It is assumed that GSA representatives will repurpose information from other W&C prepared presentations for their own

presentations. The budget assumes no cost for this task. If W&C is needed to support the GSAs, funds from the contingency could be authorized.

TASK 3: COMPLIANCE ACTIONS

Task 4 includes all work efforts required to update and calibrate the ESJWRM model and to address DWR's Recommended Corrective Actions as contained in their July 6, 2023 Approved Determination of the Revised Groundwater Sustainability Plan Submitted for the San Joaquin Valley – Eastern San Joaquin Subbasin. Also included in this task are two optional tasks recommended based on recent conversations, presentations and communications by both DWR and the State Water Resources Control Board regarding the six groundwater basins that were deemed to be inadequate.

3.1 ESJWRM Model Update and Recalibration

In their July 2023 Determination Letter, DWR staff recommended that "...in the first periodic evaluation of the GSP, only water budgets developed from the most recent or best available data be included. As currently presented, it is unclear whether the sustainable yield estimate and estimated groundwater offset required to achieve sustainability are based on the updated modeling results (based on ESJWRM Version 2.0) or are from the modeling scenarios presented in the original GSP submitted in 2020" (Recommended Corrective Action 3). To address this recommended corrective action, the ESJWRM numerical flow model will need to be updated to incorporate the latest data and to extend the modeling period to 2023. After incorporating the significant new data, the model will need to be recalibrated to ensure that the model is simulating the water budgets properly. Once calibrated, the model can then be used to develop new projected water budgets and to refine the sustainable yield estimate. In order to provide a discussion on the estimated level of accuracy of the sustainable yield estimate in the amended GSP, sensitivity analyses will be conducted to evaluate the range of uncertainty associated with the updated model. The resulting work will then be presented in both the Periodic Evaluation Report and in the Amended ESJ GSP Basin Setting and SMC sections.

3.2 Corrective Actions Evaluations

As previously discussed, DWR's July 2023 Determination Letter included eight (8) Recommended Corrective Actions; these are summarized as follows:

- Corrective Action 1 Justify GWL MT and Undesirable Results
- Corrective Action 2 Subsidence SMC justification using direct subsidence monitoring data
- Corrective Action 3 Updated Water Budgets using Recalibrated Model
- Corrective Action 4 Revised estimate for reduction of groundwater storage volume undesirable definition
- Corrective Action 5 Additional justification for 2,000 mg/L chloride isocontour line
- Corrective Action 6 Revised ISW SMC, monitoring network and metrics
- Corrective Action 7 Improved RMN for GWQ
- Corrective Action 8 Development of chloride isocontour line in western portion of Subbasin

Some of these corrective actions (such as Corrective Actions 1 and 5) will require additional analyses or documentation to justify or defend the analyses, results or parameters contained in the 2022 ESJ GSP. Other corrective actions (such as Corrective Action 2, 6 and 7) will require revisions to the GSP, including some of the SMC and representative monitoring networks (RMN). Finally, other corrective actions (such as Corrective Action 8) will require new analyses, which will ultimately be included in the Amended ESJ GSP. Work efforts

conducted under this task will provide the required analyses, justifications, and/or modifications to address each Recommended Corrective Action in DWR's July 2023 Determination Letter.

TASK 4: ESJ 5-YEAR PERIODIC EVALUATION

Water Code § 10728.2. requires that GSAs conduct periodic evaluations of its GSP, assess changing conditions in the basin that may warrant modification of the plan or management objectives, and may adjust components in the plan. GSP Regulations § 356.4. requires GSAs to evaluate their GSP at least every five years and whenever the Plan is amended and provide a written assessment to DWR. The assessment is required to describe whether the Plan implementation, including implementation of projects and management actions, are meeting the sustainability goal in the basin. Water Code Section 10728.2 identifies the criteria that GSAs should consider when conducting their GSP evaluation and Section 356.4 of the GSP Regulations further details the components of a Periodic Evaluation.

Recently, DWR released *Groundwater Sustainability Plan Implementation: A Guide to Annual Reports, Periodic Evaluations, & Plan Amendments.* This document provides guidance of the type of periodic evaluation DWR is anticipating and provides a recommended outline for the stand-alone report. This Periodic Evaluation Report will be prepared under this task and will include the following recommended sections:

- Executive Summary provides a high-level overview of GSP implementation activities, address whether implementation is on track for reaching the basin's sustainability goal and provide an overview of significant new information received and included in the assessment.
- New Information Collected describes any new information that the GSA has acquired during the evaluation cycle and whether the new information warrants changes to any aspect of the GSP.
- Groundwater Conditions Relative to SMC evaluates current groundwater conditions for each applicable sustainability indicator relative to the SMC established in the GSP.
- Status of Projects and Management Actions summarizes the GSA implementation activities
 related to projects and management actions that took place over the course of the evaluation
 cycle,
- Basin Setting Based on New Information or Changes in Water Use provides an evaluation of the basin setting based on new information or changes in basin water use.
- Monitoring Networks provides an assessment of the GSP's monitoring networks for the sustainability indicators.
- GSA Authorities and Enforcement Actions describes any new authorities the basin's GSAs have gained, established or exercised since the GSP submittal and summarizes what has been implemented to advance groundwater sustainability.
- Outreach, Engagement and Coordination with Other Agencies describes the coordination efforts and activities that occurred between the GSAs, between hydrologically connected basins, and with land use agencies in addition to federal, state, and local agency coordination that was relative to SGMA implementation.
- Other Information includes any additional information that helps describe progress made towards achieving the sustainability goal for the basin.
- Summary of Proposed or Compiled Revisions to Plan Elements summarizes the key take-aways from the Periodic Evaluation, including a brief overview of next steps and how the GSAs intend to use this evaluation to continue moving the basin towards their sustainability goal.

An Administrative Draft ESJ GSP Evaluation Report will be prepared for GSA review. Comments received will be incorporated into the document to produce a Draft ESJ GSP Evaluation Report. Per DWR's recommendations, the Draft ESJ GSP Evaluation Report will be posted on the Eastern San Joaquin Water Authority website at http://www.esjgroundwater.org/ for public review. Comments received will be considered and incorporated into the evaluation as appropriate. The Final ESJ GSP Evaluation Report will be submitted to DWR before January 29, 2025 as required by DWR's determination letter.

TASK 5: ESJ GSP AMENDMENT

As noted above, as part of the Periodic Evaluation of GSPs, a GSA is required to evaluate new information gathered during the evaluation cycle and determine if the significant new data warrants changes to any aspect of the GSP, including the evaluation of the basin setting, measurable objectives, minimum thresholds, or the criteria defining undesirable results. Additionally, the periodic evaluation needs to determine whether those changes associated with the new information leads to a Plan Amendment and to articulate whether a Plan Amendment is needed. For the ESJ GSP, significant new data have been generated during the evaluation cycle, predominantly from the State's AEM surveys and from new monitoring wells constructed to address data gaps. In addition, responses to the Recommended Corrective Actions in the 2022 ESJ GSP Determination Letter will result in significant changes to the SMCs for groundwater quality, interconnected surface waters (ISWs) and subsidence, as such a GSP Amendment is recommended.

Per the Water Code and DWR's recent guidance document any time a GSA submits a Plan Amendment, a Periodic Evaluation must accompany that submittal providing a high-level description of the amended sections of the GSP and explaining the rational for the Amendment. DWR requests that amended sections of a GSP should not be copied and pasted into a Periodic Evaluation; rather, redline strikethrough text highlighting where changes were made in the Amended Plan be provided along with a clean copy of the entire amended GSP.

5.1 ESJ GSP Amendment

Using the analyses, model updates and other work efforts completed under Task 4, each chapter in the 2022 ESJ GSP will be evaluated and revised as appropriate. It is anticipated that significant revisions will be required for the Basin Setting section (including HCM, Groundwater Conditions and Water Budgets), the SMC section (including definitions of undesirable results and SMC), the Monitoring Networks section, the Projects and Management Actions section and the Stakeholder Engagement and Outreach section to incorporate revisions to address DWR's Recommended Corrective Actions. Minor revisions may be needed in other GSP chapters, including the Plan Area, Agency Information, and Data Management sections to reflect current GSP implementation.

All GSP chapter and appendices revisions will be completed in redline strikeout versions as requested by DWR. Once each revised chapter has been reviewed by the GSA, comments will be incorporated, again in a redline strikeout version by chapter or appendix. Once all chapter/appendices revisions have completed, clean versions of each will be prepared and compiled into an Amended ESJ GSP, which will then be editorially reviewed for compliance with ADA requirements.

5.2 Provide Public Notice of Intent to Adopt Plan, 90-Day Comment Period & Public Hearing

Per the Water Code § 10728.4, when considering the development of a Plan Amendment, all requirements of the GSP Regulations (Article 5 – Plan Contents) apply. These actions include:

• Outreach and engagement, including notification to the list of interested persons.

- Proper public notice (90 days) and address comments and requests for consultation.
- Adoption by a governing board (proof of adoption needs to be submitted).

As such, after the clean public draft version of the Amended ESJ GSP has been completed in Task 6.1, the document will be released for public review and a public notice on the intent of the GWA to adopt the GSP will be posted. All registered stakeholders will be notified using the stakeholder list kept in the communications tracking tool developed in Task 2. Comments will be received and reviewed during a 90-day period after the public notice, during which a public hearing will be held.

Following the public review period, all comments received will be tabulated, reviewed and incorporated as appropriate into the Amended ESJ GSP. The amended GSP will then be finalized for adoption.

5.3 Amended ESJ GSP Adoption Support and Submittal

The Final Amended ESJ GSP will be adopted by the GWA and each of the GSAs, a process expected to require two months. Once adopted the GSP will be submitted to DWR no later than January 29, 2025. In parallel with preparation of the final amended GSP, an updated Elements Guide will be prepared and submitted to DWR along with updates to any modified representative monitoring network and SMC.

Deliverables

- Draft and Final adopted Amended ESJ GSP
- Provide copy of Public Notice to DWR
- Compiled comments
- Record of public hearing
- Resolution of Adoption by the GWA and GSAs
- Submittal of adopted Amended ESJ GSP, Elements Guide and Representative Monitoring Network data to DWR

OPTIONAL TASK 6: ADDITIONAL MEETING SUPPORT

Additional meeting support may be needed during the course of the GSP Update. This task, authorized only by the Steering Committee, may be used to provide that additional support. This may include additional W&C staff presence at meetings, additional Steering Committee and/or GWA Board Meetings, and/or outreach and engagement support for the Stakeholder Group and general public.

Stakeholder Group & General Public

As noted above, the GWA will utilize the FSS available through DWR to conduct much of the community and engagement required as part of the GSP Update. It is assumed that the FSS team will own the C&E Plan and make updates or adjustments as needed and be responsible for facilitating any stakeholder group and general public open houses.

W&C will provide technical-related support for up to four Stakeholder Group meetings and one event for the general public. It is assumed that information prepared for these meetings will be information repurposed from other meetings. Budget assumes some coordination time between W&C and the FSS team to prepare for the five meetings/events.

Deliverables

- Powerpoint presentations
- Summary of relevant GSP-related decisions/direction

Assumptions • Two members of the W&C team will attend each of the 5 meetings in-person.									

Eastern San Joaquin Groundwater Authority Fee Estimate 5-Year GSP Evaluation and Amendment 12/01/23

Tasks							Labor							Outside	e Services	1 0	DCs	Total
i dSKS		Senior Technical	Modeler	Project Manager	Engineer	Geologist	Software	Junior Engineer/		Website	Graphics/Admn			Outside	e Services	J.	Des	Total
		Leader					Engineer		Technician	Maint.		Total Hours	Total Labor	Subtotal	Sub Consultant		Total ODCs	Total
	A	Leslie/Ali/Jeanna	Sara	Katie Cole	TBD	Emily \$260	£100	Adrien/Devin	£100	£160	6160 6140		Costs (1)		Total Cost (2)		(3)	Fee
Task 1: Project Management & Coordination	Assumptions	\$360	\$290	\$320	\$260	\$260	\$190	\$210	\$160	\$160	\$160 \$140							
1.1 Kick-off Meeting 1.2 PMC Coordination Meetings	Assume 30 meetings, 2x/month 1hr/ea + prep & follow up. Katie, Eng	4		12				10			2 2	30	\$7,980	\$0	\$0	\$0	\$0	\$7,980
·	attend all; Leslie attend 23; Ali & Sara attend 8.	93	24	90	90							297	\$92,640		\$0	\$0	\$0	\$92,640
1.3 Website Updates 1.4 DWR Coordination		8	8	8	8				0	40		40 32	\$6,400 \$9,840	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$6,400 \$9,840
1.5 Contract Administration	Invoicing, progress reports, schedule mgmt, other (3 hrs/mos; 15 mos)			30	-						15	45	\$12,000	\$0	\$0	\$0	\$0	\$12,000
Subtot Task 2: Outreach & Communications	al Task 1:	105	32	140	98	0	0	10	0	40	17 2	444	\$128,860	\$0	\$0	\$0	\$0	\$128,860
2.1 ESJ GWA Board Meetings	3 meetings (progress, draft, final). Katie & Eng in person.	12	6	36	36							90	\$26,940	\$0	\$0	\$1,500	\$1,650	\$28,590
2.2 ESJ Steering Committee Meetings	4 meetings (2 progress, draft, final). Katie & Eng in person; Leslie/Ali virtua at 1 meeting.	al 16	8	48	48							120	\$35,920	\$0	\$0	\$2,000	\$2,200	\$38,120
2.3 Stakeholder Group & General Public	No W&C support; work completed under FSS (see optional Task 6)											0	\$0	\$0	\$0	\$0	\$0	\$0
2.3 GSAs & GSA staff	No W&C support; GSA staff responsible for this outreach using other meeting material											0	\$0	\$0	\$0	\$0	\$0	\$0
Subtot Task 3: Compliance Actions	al Task 2:	28	14	84	84	0	0	0	0	0	0 0	210	\$62,860	\$0	\$0	\$3,500	\$3,850	\$66,710
13sk 5: Compliance Actions 3.1 ESJWRM Model Update and Recalibration												0	\$0	\$0	\$0	\$0	\$0	\$0
Update model data to incorporate additional data and extend to 2023		16 8	64 24		312 120			164 40				556 192	\$139,880 \$49,440	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$139,880 \$49,440
Perform model-recalibration Develop updated historical and projected water budget estimates		8	24		120	-		40		<u> </u>	4	192	\$49,440	\$0	\$0	\$0	\$0	\$49,440
Evaluation of range of uncertainty of re-calibrated model		8	24 24		40			24				96	\$25,280	\$0	\$0	\$0	\$0	\$25,280
Update Crop ET estimates 3.2 Corrective Actions Evaluations		8	24		16			48				96 0	\$24,080 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$24,080 \$0
Corrective Action 1 - Justify GWL MT and Undesirable Results					16							0	\$0	\$0	\$0	\$0	\$0	\$0
CA1a - Explain selection of 25% exceedance as undesirable (statistical well impact analysis) CA1b - Additional evaluation of impacts to environmental users and uses				4	16 16	1		24				44 44	\$10,480 \$10,480	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$10,480 \$10,480
CA1c - Evaluate MT relative to depths of nearby PWS and State small water system wells				2				16				18	\$4,000	\$0	\$0	\$0	\$0	\$4,000
CA1d - Detailed plan describing assessment of GWQ relative to declining GWL Corrective Action 2 - Subsidence SMC justification using direct subsidence monitoring data		16		16 8	24 16			32				56 58	\$17,120 \$14,160	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$17,120 \$14,160
Corrective Action 3 - Updated Water Budgets using Recalibrated Model	Most work for this completed in Task 3.1		8		8			32				16	\$4,400	\$0	\$0	\$0	\$0	\$4,400
Corrective Action 4 - Revised estimate for reduction of groundwater storage volume undesirable definition Corrective Action 5 - Additional justification for 2,000 mg/L chloride isocontour line		2	4	2	16 16							24 18	\$6,680 \$4,800	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$6,680 \$4,800
Corrective Action 6 - Revised ISW SMC, monitoring network and metrics		4	8	16	32			16				76	\$20,560	\$0	\$0	\$0	\$0	\$20,560
Corrective Action 7 - Improved RMN for GWQ		2		8	24 16			16				34 42	\$9,520 \$10,800	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$9,520 \$10,800
Corrective Action 8 - Development of chloride isocontour line in western portion of Subbasin Subtot	al Task 4:	76	180	70	792	0	0	444	0	0	0 0	1562	\$401,120	\$0	\$0	\$0	\$0	\$401,120
Task 4: ESJ 5-Year Periodic Evaluation 4.1 GSP Evaluation Assessment										1		0	¢0	60	\$0	60	¢0	\$0
Executive Summary				1				2				3	\$740	\$0	\$0	\$0	\$0	\$740
New Information Collected	Brainstorm list of new information; summarize in table	1 4		1				2 12				4 18	\$1,100 \$4,600	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,100 \$4,600
Groundwater Conditions Relative to SMC Status of PMAs		2		2				8				12	\$3,040	\$0	\$0	\$0	\$0	\$3,040
Basin Setting Based on New Information or Changes in Water Use - HCM		1		4				2				4	\$1,280 \$780	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$1,280 \$780
- HCM - Groundwater Conditions		1						8				9	\$2,040	\$0	\$0	\$0	\$0	\$2,040
- Water Use Changes and Associated Water Budget		1	2					8				11	\$2,620 \$940	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$2,620 \$940
- Model Updates Monitoring Networks		2		1	4							7	\$2,080	\$0	\$0	\$0	\$0	\$2,080
GSA Authorities and Enforcement Actions		1		1				1				3	\$890	\$0	\$0 \$0	\$0 \$0	\$0 \$0	\$890
Outreach, Engagement, and Coordination with Other Agencies Other Information		1		1				2			1	4	\$1,480 \$1,100	\$0 \$0	\$0	\$0	\$0	\$1,480 \$1,100
Summary of Proposed or Completed Revisions to Plan Elements				1				1				2	\$530	\$0	\$0 \$0	\$0	\$0	\$530
4.2 GSP Evaluation Assessment Review Subtot	al Task 5:	4 19	4	22	4	0	0	54	0	0	0 0	14 103	\$4,200 \$27,420	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$4,200 \$27,420
Task 5: ESJ GSP Amendment											1		to.	to.	40	to.	40	\$0
5.1 ESJ GSPAmendment Update Stakeholder Engagement Strategy		2		4	8							14	\$0 \$4,080	\$0 \$0	\$0	\$0 \$0	\$0 \$0	\$4,080
Update Agency Information, Plan Area, & Communication Section		2		8	16							26	\$7,440	\$0	\$0	\$0	\$0	\$7,440
Update Hydrogeologic Conceptual Model and Incorporate AEM Data Update Groundwater Conditions	Most work done in model update in Task 3	16 8		16 16	32 32			40				64 96	\$19,200 \$24,720	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$19,200 \$24,720
Update Water Budget and Sustainable Yield Section	Most work done in model update in Task 3	16			40							56	\$16,160	\$0	\$0	\$0	\$0	\$16,160
Update Undesirable Results Statements Update Monitoring Networks		16 16	16	24 16	64 80			40				120 152	\$34,720 \$40,080	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$34,720 \$40,080
Update Sustainability Criteria (MTs, MOs, IMs)		16	16	16	96			48				192	\$50,560	\$0	\$0	\$0	\$0	\$50,560
Update Data Management Section		2 4	16	16 16	32 48		16	48				66 132	\$17,200 \$33,760	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$17,200 \$33,760
Update Projects and Management Actions Update GSP Implementation Plan		2		8	48 24			32		<u> </u>		66	\$16,240	\$0	\$0	\$0	\$0	\$16,240
Respond to Comments on Updated Drafts of GSP Sections	Plan for 30 - 60 day public review period of Public Draft Revised GSP	16	40	40 32	80			32				208	\$57,680	\$0	\$0	\$0	\$0	\$57,680
Draft GSP Update Compilation and Preparation 2 Public Comment and Final GSP Update Preparation		24	24 24	40	80 45							140 133	\$39,440 \$40,100	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$39,440 \$40,100
.3 Amended ESJ GSP Adoption Support and Submittal		32	8	16	24		4.5	2.40				80	\$25,200	\$0	\$0	\$0 \$0	\$0	\$25,200
Subtot OPTIONAL Task 6: Additional Meeting Support	al Task 5:	176	144	268	701	0	16	240	0	0	0 0	1545	\$426,580	\$0	\$0	\$0	\$0	\$426,580
Stakeholder Group & General Public	4 SHG mtgs (Katie & Eng in person, Leslie or Ali virtual at 2 mtgs); 1 public	c																
Contingency Meeting Support	meeting (Katie & Eng in person)	9 30	6 30	60 30	60 30			1 1 1 1 1				135 120	\$39,780 \$36,900	\$0 \$0	\$0 \$0	\$2,500 \$0	\$2,750 \$0	\$42,530 \$36,900
Subtotal OPTIONA		39	36	90	90	0	0	0	0	0	0 0	255	\$76,680	\$0	\$0	\$2,500	\$2,750	\$79,430
TOTAL without Optior TOTAL with Optior	nal Tasks	404 443	374 410	584 674	1679 1769	0	16 16	748 748	0	40 40	17 2 17 2		\$1,123,520 \$1,200,200		\$0 \$0	\$6,000 \$8,500	\$6,600 \$9,350	\$1,050,690 \$1,130,120
ALREADY FUNDED			710				10								70	30,300		
Work Plan for GSP Implementation - \$50k in Grant HCM and ESJWRM Updates - \$60K for interim work	Note: funded by \$50,000 from Prop 68 SGP Round 2 funding Process AEM data; Review/revise HCM based on updated information;	8		28	80			80				196	\$49,440	\$0	\$0		\$0	\$49,440
TICH and EDWINN Opuates - gook tot litteriii work	Evaluate model updates	12	6	6	49	53		124			2	252	\$60,820	\$0	\$0		\$0	\$60,820

The individual hourly rates include salary, overhead and profit.
 Subconsultants will be billed at actual cost plus 10%.
 Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
 WRC reserves the right to adjust its hourly rate structure and ODC markup at the beginning of the calendar year for all ongoing contracts.
 Additional Woodard & Curran staff may perform work on the project, based on our standard billing rate schedule currently in effect.