



## **STEERING COMMITTEE MEETING**

### **AGENDA**

**Wednesday, April 12, 2023**

**8:30 a.m. – 10:00 a.m.**

**San Joaquin County Robert J. Cabral Agricultural Center  
2101 E. Earhart Avenue, Stockton, CA 95206**

#### **I. Call to Order/Roll Call**

#### **II. Scheduled Items – *Presentation Materials to be Posted on ESJGroundwater.org and Emailed Prior to the Meeting.***

##### **A. Discussion/Action Items**

1. Review and Approval - March 8, 2023 Minutes ([Attachment 1 Page #3](#))
2. Review the Proposed Budget and Recommendation to the GWA Board for May Meeting ([Attachment 2 Page #6](#))
3. Monitoring Well Development and Status ([Attachment 3 Page #13](#))
4. WAF Ad Hoc Committee Nominations and Formation

#### **III. Staff Reports**

1. DWR Report
2. Other Items

#### **IV. Public Comment (Items not on agenda)**

#### **V. Director Comments**

#### **VI. Future Agenda Items**

#### **VII. Adjournment**

# EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

## Steering Committee Meeting

### AGENDA

*(Continued)*

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#### **Next Scheduled Meeting**

Wednesday, May 10th 2023

8:30 am to 10:00 am

San Joaquin County Robert J. Cabral Agricultural Center

## Eastern San Joaquin Groundwater Authority Steering Committee Meeting Minutes

Wednesday, March 8<sup>th</sup>, 2023

### I. Call to Order/Roll Call

The Eastern San Joaquin Groundwater Authority (GWA) Steering Committee meeting was held at the San Joaquin County Robert J. Cabral Agricultural Center in Stockton, California (2101 E. Earhart Avenue Conference Rm 1). At approximately 8:31 a.m. roll call was taken of members only.

In attendance were Director and Alternates: Andrew Watkins, Mike Henry, Robert Holmes, Jason Colombini, Mitch Maidrand and Chairman Robert Rickman.

### II. Scheduled Items

#### A. Discussion/Action Items

1. Approval of the February 8<sup>th</sup>, 2023, minutes

Motion: Robert Rickman

2nd: Mike Henry

The vote was unanimous.

2. Review of budget scenarios, assumptions, and costs

Chairman Rickman shared he spoke to the Governor's Office regarding the SGMA Round 2 Grant and has requested Matt Zidar to provide him with the summary for the grant application. Matt Zidar confirmed that we are asking for the full \$20 million, noting the DWR is planning on making funding recommendations in June of 2023. Matt Zidar provided a brief status on the well drilling projects funded by the earlier SGMA grants (Shallow wells) and DWR's Technical Services and Support program (deep wells). More details will be provided at the next meeting.

Mr. Zidar reviewed the method for the budget development showing known revenues, planned expenses and how the difference was derived and use to determine the revenue needed from the GSAs to balance the budget. The GSA costs allocation to generate the needed revenues to meet planned expenses was also reviewed. The Cost Allocation approach used the pumping (60%) and population (40%), a minimum charge and the East Side GSA costs adjustment method applied in prior years. The Steering Committee concurred and confirmed the approach for budget development and cost allocation to the GSA.

Mr. Zidar reviewed 3 preliminary budget scenarios: a 'Low' budget with minimal changes from prior years; a "With" SGMA R2 grant award; and a "Without" funding from a SGMA grant award. The "With" SGMA grant included the Technical and

Engineering Services Work that was part of the grant for Instrumentation, Monitoring Network Evaluation and Improvements; and funding to implement a Data Management System and support Model Development and Application. These activities have been recommended by the Ad Hoc TAC. The “Without” the SGMA R2 Grant included the same amount of funding to implement a Data Management System and support Model Development and Application; but reduced the funding for Instrumentation, Monitoring Network Evaluation and Improvements should the grant not be awarded. The work is necessary but would be covered with local resources over a longer time period should grant funding is not received. The budgets will be reviewed and discussed again in April.

3. 2022 Annual Report acceptance and submittal

Matt Zidar provided a presentation on the annual report (attached) which covered groundwater elevation data, groundwater extraction information, surface water supply used or available for use, total water use, and change in groundwater storage; also reviewing the status of the Sustainable Management Criteria as reflected by the data from the monitoring network. The status of projects and management actions within the GSAs were also reviewed and discussed. It was noted that the GWA Board had deferred action on acceptance of the Annual Report to the Steering Committee, further authorizing the Steering Committee to submit the report by the April 1<sup>st</sup> deadline should they concur and accept the report as complete. It was noted that the Annual Report would be presented at the April 12 GWA Board meeting to inform the public and obtain input. A motion was made to accept the report and direct submittal to DWR.

Motion: Accept the Annual Report and Direct submittal to DWR to meet the April 1, 2023, Deadline.

Motion: Jason Colombini

2<sup>nd</sup>: Andrew Watkins

The Motion carried unanimously.

4. Assignments to Ad Hoc Water Accounting Framework (WAF) from the Chair

Matt Zidar recommended that the GSAs create an Ad Hoc work group whose purpose would be to review alternative approaches to developing a Water Accounting Framework (WAF). Robert Rickman suggested a description of the assignment to the work group. Pursuant to the JPA and bylaws, the Chairman can appoint members of an Ad Hoc work group, make specific assignments, and direct a timeline for completion. Matt Zidar will work to get nominations from the GSAs and coordinate with the Chairman to make the assignments and set a schedule. Staff will work with the modeling consultant to provide data, analysis, and information to inform discussion. The Ad Hoc work group is not a decision-making body but will conduct work and bring recommendations back to the Steering Committee and then the full Board. Jennifer Spaletta suggested committee work with the consultants to better define the elements of the water budget and develop the WAF, noting that the work group should be comprised of general managers, technical persons, and legal representatives. She also noted that we need to get working on domestic well mitigation assignments. The

meetings cannot involve a quorum of the Board. Andrew Watkins (SEWD) volunteered to lead the effort, and Robert Holmes (SSJID) offered to participate as GWA Board members. Mitch Maidrand will discuss with Mel Lytle about their participation and let the group know. Robert Rickman reminded that legal counsel must be aware and that everything will be in compliance with the Brown Act.

**III. Staff/DWR Reports**

1. DWR Reports attached to the agenda package for individual review.
2. Other Items – **none**

**IV. Public Comment – none**

**V. Directors Comment – none**

**VI. Future Agenda Items**

- GWA to consider assistance for evaluation of domestic well mitigation program
- Discuss consultants to monitor groundwater
- Budget and WAF between now and April

**VII. Adjournment at 10:05am**



**Memo**

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

**From:** Matt Zidar, Water Resources Manager

**RE:** Draft FY 23-24 Budget

**Date:** April 12, 2023

**Summary:** At the March 8, 2023, Steering Committee the budget was reviewed. This is further review to develop the recommendation to the full Board for consideration.

**Discussion:**

At the March 23' Steering Committee meeting, the group agreed to use the same budget development methodology and approach for the cost distribution to the GSAs. The budget is developed by defining known revenue and planned expense items which can vary based on the programs to be implemented. The difference between the known revenue and planned expenses is what is to be charged back to the GSAs to balance the budget (See Line 12). This allows for consideration of a range or program costs expenses and program management actions to be considered.

Table 1 shows three budget scenarios:

- Low budget which provides the basic compliance service level
- 'Without the SGMA R2 Grant'
- 'With the SGMA R2 Grant'

On difference this year as compared to last year is the inclusion of funding to pursue grants (Line 46) and to develop a Domestic Well Mitigation Program (Line 57). These program expenses are common to all scenarios.

Other variable expenses are related to programs recommended by the Ad Hoc TAC which could receive grant funding, or which may be implemented at varying levels if no grant is received. The differences between the low and 'without grant' scenario is shown in Column V. The differences are related to the amount of funding for Professional Services Public Outreach (\$55K; Line 44); and for Implementation of Instrumentation (Representative Wells; line 52), Monitoring Network Evaluation (Line 53), Monitoring Network Improvements (Line 54), DMS Implementation (Line 55) and Model Development & Support (Line 56). This is important work that would be funded by GSAs if no grant is received. Without the grant, we would scale back on the work for instrumentation, network evaluation and improvement.

The difference between the 'without grant' and 'with grant' is shown in Column Z. Grant revenues of \$500,000 are shown (Line 15). Difference in expenses would be incurred for additional grant contract administration (Line 40) and Legal Services (42); and more comprehensive work for Implementation of Instrumentation (Representative Wells), Monitoring Network Evaluation, and Monitoring Network Improvements would occur if the grant was to be received.

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Note the reserve assumptions are the same for all scenarios. On consideration would be to increase the reserves to build up funds for the five-year GSP update or to provide a contingency to cover unanticipated expenses.

Table 2 - Low Scenarios presents the Cost Allocation Based 60 percent groundwater pumping and 40 percent population, including a minimum charge to each GSA, and the adjustment for the East Side GSA to account for the Zone 2 Adjustment. This adjustment is made because the East Side GSA is not part of the Zone 2 assessment district and pays more to equalize the cost subsidy from Zone 2 paid by the other GSAs.

Table 3 show the cost distribution for the 'without grant' scenarios, and Table 4 shows the 'with grant' scenario.

Table 5 is provided to compare the GSA charges between the three different scenarios.

	D	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
3	<b>Table 1. FY 2023-24 Budget Scenarios</b>		<b>DRAFT</b>											
4		<b>Low</b>			<b>Without SGMA R 2 Grant</b>			<b>With SGMA R 2 Grant</b>						
5		FY 23-24	6221100802		FY 23-24	6221100802			FY 23-24	6221100802				
6	<b>Revenue</b>	Contract /ODC	Staff	Total	Contract /ODC	Staff	Total	Delta	Contract /ODC	Staff	Total	Delta		
7														
8														
9	Interest Income													
12	GWA GSAs Cost Allocation	\$ 70,500		\$ 70,500	\$ 635,000		\$ 635,000	\$ 564,500	\$ 284,000		\$ 284,000	\$ (351,000)		
13	Other Govt Aid From Zone 2	\$ 225,000		\$ 225,000	\$ 225,000		\$ 225,000	\$ -	\$ 225,000		\$ 225,000	\$ -		
14	State (DWR) Sustainable GW Grant (Well)	\$ 175,000		\$ 175,000	\$ 175,000		\$ 175,000	\$ -	\$ 175,000		\$ 175,000	\$ -		
15	SGMA R 2 Grant (Submitted)			\$ -			\$ -	\$ -	\$ 500,000		\$ 500,000	\$ 500,000		
16	GSA Reimbursable Grant Writing	\$ 100,000		\$ 100,000	\$ 100,000		\$ 100,000	\$ -	\$ 100,000		\$ 100,000	\$ -		
17	Rebates & Refunds			\$ -			\$ -	\$ -			\$ -	\$ -		
18	Carry Over (use of fund balance)	\$ 130,000		\$ 130,000	\$ 130,000		\$ 130,000	\$ -	\$ 130,000		\$ 130,000	\$ -		
19	Allocated from Reserve	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -		\$ -	\$ -		
20	<b>TOTAL REVENUES</b>	<b>\$ 700,500</b>		<b>\$ 700,500</b>	<b>\$ 1,265,000</b>		<b>\$ 1,265,000</b>	<b>\$ 564,500</b>	<b>\$ 1,414,000</b>		<b>\$ 1,414,000</b>	<b>\$ 149,000</b>		
24	<b>Expense</b>													
25	<b>General Office</b>													
36				\$ -			\$ -	\$ -			\$ -	\$ -		
37	Subtotal	\$ 12,800	\$ 2,000	\$ 14,800	\$ 12,800	\$ 2,000	\$ 14,800	\$ -	\$ 12,800	\$ 2,000	\$ 14,800	\$ -		
38	<b>Management and Administration</b>													
39	Meetings (Clerk and Records)		\$ 40,000	\$ 40,000		\$ 40,000	\$ 40,000	\$ -		\$ 40,000	\$ 40,000	\$ -		
40	Budget, Contract Administration and Accounting		\$ 60,000	\$ 60,000		\$ 60,000	\$ 60,000	\$ -		\$ 80,000	\$ 80,000	\$ 20,000		
41	Professional Services PW Admin		\$ 60,000	\$ 60,000		\$ 60,000	\$ 60,000	\$ -		\$ 60,000	\$ 60,000	\$ -		
42	Professional Services: GWA Legal	\$ 15,000		\$ 15,000	\$ 15,000		\$ 15,000	\$ -	\$ 18,000		\$ 18,000	\$ 3,000		
43	Professional Services: County Legal	\$ 15,000		\$ 15,000	\$ 15,000		\$ 15,000	\$ -	\$ 15,000		\$ 15,000	\$ -		
44	Professional Services Public Outreach		\$ 10,000	\$ 10,000	\$ 50,000	\$ 15,000	\$ 65,000	\$ 55,000	\$ 50,000	\$ 15,000	\$ 65,000	\$ -		
45	Interbasin and DWR Coordination		\$ 7,200	\$ 7,200		\$ 7,200	\$ 7,200	\$ -		\$ 7,200	\$ 7,200	\$ -		
46	Grant writing	\$ 50,000	\$ 12,000	\$ 62,000	\$ 50,000	\$ 12,000	\$ 62,000	\$ -	\$ 50,000	\$ 12,000	\$ 62,000	\$ -		
47	Subtotal	\$ 80,000	\$ 189,200	\$ 269,200	\$ 130,000	\$ 194,200	\$ 324,200	\$ 55,000	\$ 133,000	\$ 214,200	\$ 347,200	\$ 23,000		
49	<b>Technical and Engineering Services</b>													
50	2023 Annual Report	\$ 55,000	\$ 7,500	\$ 62,500	\$ 55,000	\$ 7,500	\$ 62,500	\$ -	\$ 55,000	\$ 7,500	\$ 62,500	\$ -		
51	Groundwater Data Collection	\$ 20,000	\$ 12,000	\$ 32,000	\$ 20,000	\$ 12,000	\$ 32,000	\$ -	\$ 20,000	\$ 12,000	\$ 32,000	\$ -		
52	Implementation of Instrumentation (Representative Wells)	\$ -	\$ -	\$ -	\$ 20,000	\$ 4,000	\$ 24,000	\$ 24,000	\$ 32,000	\$ 8,000	\$ 40,000	\$ 16,000		
53	Monitoring Network Evaluation	\$ -	\$ 5,000	\$ 5,000	\$ 150,000	\$ 15,000	\$ 165,000	\$ 160,000	\$ 205,000	\$ 15,000	\$ 220,000	\$ 55,000		
54	Monitoring Network Improvements	\$ -	\$ 5,000	\$ 5,000	\$ 150,000	\$ 15,000	\$ 165,000	\$ 160,000	\$ 205,000	\$ 15,000	\$ 220,000	\$ 235,000		
55	DMS Implementation		\$ 12,000	\$ 12,000	\$ 45,000	\$ 20,000	\$ 65,000	\$ 53,000	\$ 45,000	\$ 20,000	\$ 65,000	\$ -		
56	Model Devel & Support		\$ 7,500	\$ 7,500	\$ 25,000	\$ 15,000	\$ 40,000	\$ 32,500	\$ 25,000	\$ 15,000	\$ 40,000	\$ -		
57	Domestic Well Mitigation Program	\$ 60,000	\$ 10,000	\$ 70,000	\$ 60,000	\$ 10,000	\$ 70,000	\$ -	\$ 60,000	\$ 10,000	\$ 70,000	\$ -		
58	Water Accounting Framework	\$ 50,000	\$ 15,000	\$ 65,000	\$ 50,000	\$ 15,000	\$ 65,000	\$ -	\$ 50,000	\$ 15,000	\$ 65,000	\$ -		
63	Subtotal	\$ 185,000	\$ 74,000	\$ 259,000	\$ 575,000	\$ 113,500	\$ 688,500	\$ 429,500	\$ 697,000	\$ 117,500	\$ 814,500	\$ 126,000		
64														
65	<b>Work in Progress</b>													
66	Professional Services (WC A-18-01) Shallow Wells			\$ -			\$ -	\$ -			\$ -	\$ -		
67	Professional Services (WC A-20-01)			\$ -			\$ -	\$ -			\$ -	\$ -		
68	Funding and Financing (Prop 68)	\$ 50,000	\$ 7,500	\$ 57,500	\$ 125,000	\$ 12,500	\$ 137,500	\$ 80,000	\$ 125,000	\$ 12,500	\$ 137,500	\$ -		
69	Subtotal	\$ 50,000	\$ 7,500	\$ 57,500	\$ 125,000	\$ 12,500	\$ 137,500	\$ 80,000	\$ 125,000	\$ 12,500	\$ 137,500	\$ -		
70														
71	<b>Reserved Expenditure</b>													
72	Reserve- dedication	\$ 100,000		\$ 100,000	\$ 100,000		\$ 100,000	\$ -	\$ 100,000		\$ 100,000	\$ -		
73	Subtotal	\$ 100,000	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ -		
74	<b>TOTAL EXPENSES</b>	<b>\$ 427,800</b>	<b>\$ 272,700</b>	<b>\$ 700,500</b>	<b>\$ 942,800</b>	<b>\$ 322,200</b>	<b>\$ 1,265,000</b>	<b>\$ 564,500</b>	<b>\$ 1,067,800</b>	<b>\$ 346,200</b>	<b>\$ 1,414,000</b>	<b>\$ 149,000</b>		
81				Reserve Balance			Reserve Balance FY				Reserve Balance FY			
82	Reserve			\$ 310,000			\$ 310,000				\$ 310,000			
83	FY 23/24 Reserve Contribution			\$ 100,000			\$ 100,000				\$ 100,000			
84				\$ 410,000			\$ 410,000				\$ 410,000			



**Table 2 - Low Scenarios, Cost Allocation Based 60/40 w/ Minimum and East Side z2 Adjustment**

**DRAFT**

	1	2	3	4	5	6	7	8	
						GSA Funding			
GSA	Total Pumping-Projected (AFY)	Population (2017)	Minimum	Pumping	Population	EastSide GSA Non-Zone 2 Adjustment	Total	%	
CDWA	9,611	1,629	\$ 4,500	\$ (11)	\$ (2)	\$ (1,000)	\$ 3,488	4.9%	
CSJWCD	138,809	8,047	\$ 4,500	\$ (156)	\$ (8)	\$ (1,000)	\$ 3,336	4.7%	
Eastside SJ GSA	63,500	10,498	\$ 4,500	\$ (71)	\$ (11)	\$ 15,000	\$ 19,418	27.5%	
LCSD	1,153	1,558	\$ 4,500	\$ (1)	\$ (2)	\$ (1,000)	\$ 3,497	5.0%	
LCWD	485	2819	\$ 4,500	\$ (1)	\$ (3)	\$ (1,000)	\$ 3,497	5.0%	
Lodi	14,520	58,174	\$ 4,500	\$ (16)	\$ (58)	\$ (1,000)	\$ 3,425	4.9%	
Manteca	18,985	64,279	\$ 4,500	\$ (21)	\$ (64)	\$ (1,000)	\$ 3,414	4.8%	
NSJWCD	146,158	21,977	\$ 4,500	\$ (164)	\$ (22)	\$ (1,000)	\$ 3,314	4.7%	
OID	39,952	1,890	\$ 4,500	\$ (45)	\$ (2)	\$ (1,000)	\$ 3,453	4.9%	
SDWA	4,532	7,136	\$ 4,500	\$ (5)	\$ (7)	\$ (1,000)	\$ 3,488	4.9%	
SEWD	165,025	41,134	\$ 4,500	\$ (186)	\$ (41)	\$ (1,000)	\$ 3,273	4.6%	
SJC #1	74,448	16,859	\$ 4,500	\$ (84)	\$ (17)	\$ (1,000)	\$ 3,399	4.8%	
SJC #2	8,183	39,779	\$ 4,500	\$ (9)	\$ (40)	\$ (1,000)	\$ 3,451	4.9%	
SSJ GSA	60,031	38,080	\$ 4,500	\$ (68)	\$ (38)	\$ (1,000)	\$ 3,394	4.8%	
Stockton	23,035	277,120	\$ 4,500	\$ (26)	\$ (277)	\$ (1,000)	\$ 3,197	4.5%	
WID GSA	31,238	8,488	\$ 4,500	\$ (35)	\$ (8)	\$ (1,000)	\$ 3,456	4.9%	
	<b>799,665</b>	<b>599,467</b>	<b>\$ 72,000</b>	<b>\$ (900)</b>	<b>\$ (600)</b>	<b>\$ -</b>	<b>\$ 70,500</b>	<b>100.0%</b>	
							<b>\$ 70,500</b>		

**Percentage**

		GW	Pop
	% Split	60%	40%
<b>Low Cost</b>			
Need and without minimum	\$ 70,500	\$ 42,300	\$ 28,200
Balance after Minimum	\$ (1,500)	\$ (900)	\$ (600)
<b>Minimums total</b>	<b>\$ 136,000</b>		

**Table 3 - w/o Grant Cost Allocation Based 60/40 w/ Membership Minimum and East Side z2 Adj DRAFT DRAFT**

	1	2	3	4	5	6	7	8	
				GSA Funding					
GSA	Total Pumping-Projected (AFY)	Population (2017)	Minimum	Pumping	Population	EastSide GSA Non-Zone 2 Adjustment	Total	%	
CDWA	9,611	1,629	\$ 8,500	\$ 3,598	\$ 542	\$ (1,000)	\$ 11,641	1.8%	
CSJWCD	138,809	8,047	\$ 8,500	\$ 51,971	\$ 2,679	\$ (1,000)	\$ 62,150	9.8%	
Eastside SJ GSA	63,500	10,498	\$ 8,500	\$ 23,775	\$ 3,495	\$ 15,000	\$ 50,770	8.0%	
LCSD	1,153	1,558	\$ 8,500	\$ 432	\$ 519	\$ (1,000)	\$ 8,450	1.3%	
LCWD	485	2819	\$ 8,500	\$ 182	\$ 939	\$ (1,000)	\$ 8,620	1.4%	
Lodi	14,520	58,174	\$ 8,500	\$ 5,436	\$ 19,370	\$ (1,000)	\$ 32,306	5.1%	
Manteca	18,985	64,279	\$ 8,500	\$ 7,108	\$ 21,402	\$ (1,000)	\$ 36,011	5.7%	
NSJWCD	146,158	21,977	\$ 8,500	\$ 54,723	\$ 7,318	\$ (1,000)	\$ 69,540	11.0%	
OID	39,952	1,890	\$ 8,500	\$ 14,958	\$ 629	\$ (1,000)	\$ 23,088	3.6%	
SDWA	4,532	7,136	\$ 8,500	\$ 1,697	\$ 2,376	\$ (1,000)	\$ 11,573	1.8%	
SEWD	165,025	41,134	\$ 8,500	\$ 61,786	\$ 13,696	\$ (1,000)	\$ 82,983	13.1%	
SJC #1	74,448	16,859	\$ 8,500	\$ 27,874	\$ 5,613	\$ (1,000)	\$ 40,987	6.5%	
SJC #2	8,183	39,779	\$ 8,500	\$ 3,064	\$ 13,245	\$ (1,000)	\$ 23,809	3.7%	
SSJ GSA	60,031	38,080	\$ 8,500	\$ 22,476	\$ 12,679	\$ (1,000)	\$ 42,655	6.7%	
Stockton	23,035	277,120	\$ 8,500	\$ 8,624	\$ 92,271	\$ (1,000)	\$ 108,395	17.1%	
WID GSA	31,238	8,488	\$ 8,500	\$ 11,696	\$ 2,826	\$ (1,000)	\$ 22,022	3.5%	
	<b>799,665</b>	<b>599,467</b>	<b>\$ 136,000</b>	<b>\$ 299,400</b>	<b>\$ 199,600</b>	<b>\$ -</b>	<b>\$ 635,000</b>	<b>100.0%</b>	

**Percentage**

% Split	GW		Pop	
	60%		40%	
<b>Medium Cost</b>				
Need	\$ 635,000	\$ 381,000	\$ 254,000	
Balance after Minimum	\$ 499,000	\$ 299,400	\$ 199,600	
	\$ 136,000			

**Table 4 - Cost Allocation Based 60/40 w/ Membership Minimum and East Side z2 Adj (Old Format)**

	1	2	3	4	5	6	7	8
				GSA Funding				
GSA	Total Pumping-Projected (AFY)	Population (2017)	Minimum	Pumping	Population	EastSide GSA Non-Zone 2 Adjustment	Total	%
CDWA	9,611	1,629	\$ 8,500	\$ 1,067	\$ 161	\$ (1,000)	\$ 8,728	3.1%
CSJWCD	138,809	8,047	\$ 8,500	\$ 15,414	\$ 795	\$ (1,000)	\$ 23,709	8.3%
Eastside SJ GSA	63,500	10,498	\$ 8,500	\$ 7,051	\$ 1,037	\$ 15,000	\$ 31,588	11.1%
LCSD	1,153	1,558	\$ 8,500	\$ 128	\$ 154	\$ (1,000)	\$ 7,782	2.7%
LCWD	485	2819	\$ 8,500	\$ 54	\$ 278	\$ (1,000)	\$ 7,832	2.8%
Lodi	14,520	58,174	\$ 8,500	\$ 1,612	\$ 5,745	\$ (1,000)	\$ 14,857	5.2%
Manteca	18,985	64,279	\$ 8,500	\$ 2,108	\$ 6,348	\$ (1,000)	\$ 15,956	5.6%
NSJWCD	146,158	21,977	\$ 8,500	\$ 16,230	\$ 2,170	\$ (1,000)	\$ 25,901	9.1%
OID	39,952	1,890	\$ 8,500	\$ 4,437	\$ 187	\$ (1,000)	\$ 12,123	4.3%
SDWA	4,532	7,136	\$ 8,500	\$ 503	\$ 705	\$ (1,000)	\$ 8,708	3.1%
SEWD	165,025	41,134	\$ 8,500	\$ 18,325	\$ 4,062	\$ (1,000)	\$ 29,888	10.5%
SJC #1	74,448	16,859	\$ 8,500	\$ 8,267	\$ 1,665	\$ (1,000)	\$ 17,432	6.1%
SJC #2	8,183	39,779	\$ 8,500	\$ 909	\$ 3,928	\$ (1,000)	\$ 12,337	4.3%
SSJ GSA	60,031	38,080	\$ 8,500	\$ 6,666	\$ 3,761	\$ (1,000)	\$ 17,927	6.3%
Stockton	23,035	277,120	\$ 8,500	\$ 2,558	\$ 27,367	\$ (1,000)	\$ 37,425	13.2%
WID GSA	31,238	8,488	\$ 8,500	\$ 3,469	\$ 838	(1,000)	\$ 11,807	4.2%
	<b>799,665</b>	<b>599,467</b>	<b>\$ 136,000</b>	<b>\$ 88,800</b>	<b>\$ 59,200</b>	<b>\$ -</b>	<b>\$ 284,000</b>	<b>100.0%</b>

**Percentage**

% Split	GW	Pop
	60%	40%

**Medium Cost**

Need	\$ 284,000	\$ 170,400	\$ 113,600
Balance after Minimum	\$ 148,000	\$ 88,800	\$ 59,200

**Table 5 Comparison of Scenarios**

**DRAFT**

GSA	Low		w/o Grant		w/ Grant	
	Total	%	Total	%	Total	%
CDWA	\$ 3,488	4.9%	\$ 11,641	1.8%	\$ 8,728	3.1%
CSJWCD	\$ 3,336	4.7%	\$ 62,150	9.8%	\$ 23,709	8.3%
Eastside SJ GSA	\$ 19,418	27.5%	\$ 50,770	8.0%	\$ 31,588	11.1%
LCSD	\$ 3,497	5.0%	\$ 8,450	1.3%	\$ 7,782	2.7%
LCWD	\$ 3,497	5.0%	\$ 8,620	1.4%	\$ 7,832	2.8%
Lodi	\$ 3,425	4.9%	\$ 32,306	5.1%	\$ 14,857	5.2%
Manteca	\$ 3,414	4.8%	\$ 36,011	5.7%	\$ 15,956	5.6%
NSJWCD	\$ 3,314	4.7%	\$ 69,540	11.0%	\$ 25,901	9.1%
OID	\$ 3,453	4.9%	\$ 23,088	3.6%	\$ 12,123	4.3%
SDWA	\$ 3,488	4.9%	\$ 11,573	1.8%	\$ 8,708	3.1%
SEWD	\$ 3,273	4.6%	\$ 82,983	13.1%	\$ 29,888	10.5%
SJC #1	\$ 3,399	4.8%	\$ 40,987	6.5%	\$ 17,432	6.1%
SJC #2	\$ 3,451	4.9%	\$ 23,809	3.7%	\$ 12,337	4.3%
SSJ GSA	\$ 3,394	4.8%	\$ 42,655	6.7%	\$ 17,927	6.3%
Stockton	\$ 3,197	4.5%	\$ 108,395	17.1%	\$ 37,425	13.2%
WID GSA	\$ 3,456	4.9%	\$ 22,022	3.5%	\$ 11,807	4.2%
	<b>\$ 70,500</b>		<b>\$ 635,000</b>		<b>\$ 284,000</b>	



**Memo**

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

**From:** Matt Zidar, Water Resources Manager

**RE:** Status of Well Drilling

**Date:** April 12, 2023

**Summary:** At the March 8, 2023 Steering Committee there was request for an update regarding the status of the monitoring wells being drilled for the GWA.

**Discussion:**

The Eastern San Joaquin Subbasin (Subbasin) applied for, and received funding for, additional monitoring wells in the Subbasin to fill data gaps identified in the Eastern San Joaquin (ESJ) Groundwater Sustainability Plan (GSP). Specifically, the Subbasin received \$210,000 in grant funding under the Proposition (Prop) 1 Sustainable Groundwater Planning (SGP) grant program for monitoring wells to monitoring for impacts to interconnected surface waters (ISW), and \$400,000 in grant funding under the Prop 68 SGP grant program for monitoring wells in the portion of the Subbasin adjoining the Sacramento-San Joaquin Delta (Delta) to monitoring for impacts relating to saline water intrusion and to fill an informational gap identified in the Subbasin’s groundwater flow model. Additionally, the Subbasin applied for the construction of additional monitoring wells under the California Department of Water Resources (DWR’s) Technical Support Services (TSS) program. The locations for the wells discussed below are shown in the attached figure.

Under the TSS program, the ESJ Subbasin applied for the construction of three multi-completion monitoring wells – Data Gap Well Sites B, F and G. Properties were identified, and access ultimately secured for the construction of two multi-completion monitoring wells at Sites B and F. Both TSS monitoring wells were constructed between November 2020 and January 2021.

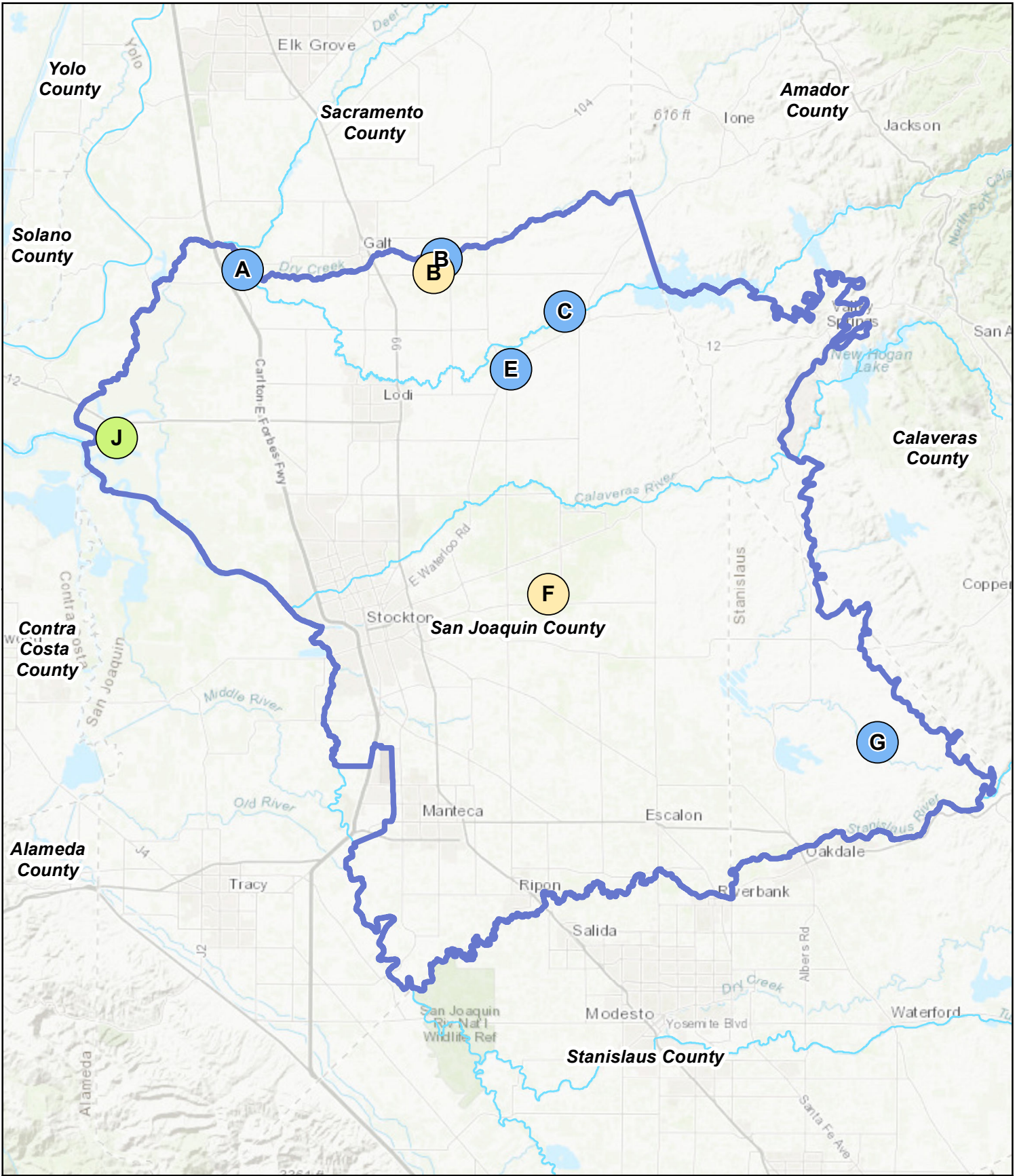
Under the Prop 1 SGP grant program, the ESJ Subbasin received funding to construct up to 10 ISW monitoring wells. Locations for these wells were initially identified in 2018 and later refined in 2019; however, the wells were never constructed due to the COVID pandemic. Work on constructing the new ISW monitoring wells resumed in 2021, but at that time it became evident that the initially identified locations would not be feasible due to access agreement issues with the property owners. Locations for the new ISW monitoring wells were subsequently reviewed and revised in late 2021 and early 2022 to identify properties owned by San Joaquin County in the identified data gap areas on which wells could be located. Ultimately, seven (7) suitable monitoring well locations were identified. Well construction permits and environmental documentation were subsequently prepared for those seven locations, and a bid package for well construction assembled and released in July of 2022. Bids for well construction were received in August 2022, and well construction occurred in November 2022. Five ISW monitoring wells were constructed at Data Gap Well Sites A, B, C, E and G. Monitoring wells were not constructed at Well Site D due to issues with the existing levees at that location or at Well Site H due to overhead obstruction.

Under the Prop 68 SGP grant program, the ESJ Subbasin received funding to construct at least one (1) multi-completion monitoring well at locations in the Subbasin adjoining the Delta. In coordination with the well

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siting that occurred for the ISW monitoring wells, County-owned properties at Data Gap Well Sites D and J were identified for the Delta Monitoring Wells. A site visit was subsequently conducted to both locations, and it was determined that Well Site D was not a suitable drilling site due to existing levees. A bid package for Data Gap Well Site J was subsequently prepared and released on April 3, 2023. Bids for this well construction are subsequently pending and are due by April 21<sup>st</sup>. At present, the well construction is scheduled to begin in June 2023, allowing time for execution of site access agreements and permitting, and to allow for the proposed well site to dry from recent storm events.

Figure Exported: 4/5/2023, By: gvalenzuela, Using: \\woodardcurran.net\Shared\Projects\RM\CS\F0541 - ESJ Groundwater Authority\0011679\_01\_GSP\_Implementation\_Tasks\2 - MW Network Expand\Task 2 - MW Siting and Pre-Design\GIS\MAXD\16 - Subbasin Map.mxd




# New Monitoring Wells

East San Joaquin GSP

## Well Overview

Legend

 East San Joaquin Subbasin

 Delta Well

 ISW Well

 TSS Well



0 2 4 8 Miles

Map Created: April 2023