



EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors

AGENDA

Wednesday July 13th, 2022

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 May 11th, 2022 Meeting Minutes ([Page 2](#))
 2. Discuss and Consider Adoption of the FY 2022-23 ESJ GWA Budget ([Page 8](#))
 3. Discuss and Consider Adoption of a Resolution to Accept the Revised Groundwater Sustainability Plan and Direct the Secretary to Submit the Plan to the California Department of Water Resources on Behalf of the Member Agencies ([Page 10](#))
- III. **Staff/DWR Reports**
 - A. Staff Reports ([Page 12](#))
 - B. DWR Report ([Page 16](#))
- IV. **Directors' Comments and Project Status Reports**
- V. **Public Comment (non-agendized items)**
- VI. **Future Agenda Items**
- VII. **Adjournment**

Next Regular Meeting

Wednesday, August 10th, 2022

10:30 a.m. – 12:00 p.m.

San Joaquin County Robert J. Cabral Agricultural Center

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

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
Board Meeting Minutes
May 11, 2022

I. Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call

The Eastern San Joaquin Groundwater Authority (GWA) Board Teleconference meeting convened, and Vice Chairman Melvin Panizza called the meeting to order, at 10:41 a.m. on May 11, 2022.

Vice Chairman Panizza led the agenda.

Mrs. Kristy Smith with San Joaquin County conducted the roll call.

In attendance were Vice Chairman Mel Panizza; Directors Jeremiah Mecham, Alan Nakanishi, Gary Tofanelli, Mike Henry, Tom Flinn, Eric Thorburn, John Herrick, Robert Holmes; Alternate Director Douglas Smith

II. Scheduled Items

A. Discussion/Action Items:

1. Approval of the April 13, 2022 Meeting Minutes

Vice Chairman Panizza called for the approval of minutes of the meeting on April 13, 2022. There were no comments by the GWA Board members and no comments by the public.

Motion:

Director Mike Henry moved, and Director Alan Nakanishi second, approval of the April 13, 2022 minutes. The motion passed unanimously.

2. DWR SGMA GSP Implementation Grant Round 1

Mr. Matt Zidar with San Joaquin County (SJC) provided an update on the DWR SGMA GSP implementation Grant Round 1 awarded to the ESJ GWA at \$7.6 million, noting representatives, Chairman Chuck Winn, and Alternate Director Mel Lytle, were able to participate in the check award ceremony on behalf of the GWA.

Mr. Zidar provided a brief outline of the final distribution amounts of the grant funds, amongst the three planned projects, noting \$3.9 million to NSJWCD project, \$300k to City of Stockton project, and \$3.3 million to the County project. Mr. Zidar advised that a letter of acceptance was drafted and required the Board's approval to submit to DWR.

Director Nakanishi questioned the length of time from application to award. Mr. Zidar noted that with the modified competitive process, it allowed for a quick turnaround time for review and award from the Fall application date. Additional discussion was had on the grant management by County Staff and where and how the staff time would be charged. Mr. Zidar noted that the application proposal included some funds for staff work on the grant contracts and management. One of the included components of the plan was \$100k for administration costs.

Additionally noted was the possibility of additional funds available around the first of the year, with a more formal application process and match amount. Ms. Chelsea Spier of DWR noted that more information to come once the State Budget is released next week, but a huge focus of funds will be on drought funding. Mr. Zidar noted a large amount of money coming for recharge projects.

Motion:

Director John Herrick moved and Director Tom Flinn second, to accept the grant award and allow the Secretary to sign and submit the award acceptance letter.
The motion passed unanimously.

3. Response to DWR GSP Comments; Schedule; Content and Approach

Mr. Zidar provided an overview of the DWR GSP Comment Response efforts, schedule, content, and approach, noting that the TAC and Policy/Legal Committees are deep in composing four Technical Memorandums (TM) to address the deficiencies in the GSP identified by DWR. Mr. Zidar added that one partial TM was already provided for review and to gather needed information for modeling and to respond to comments on the sustainable management criteria, while the other three should be completed and provided to the group later in the day or the following day, and requests for feedback from the GSAs to the TAC. Mr. Zidar provided an overview of the TMs being provided to the GSAs for review and noted that once comments are received, a redline GSP will be drafted and provided for review and ultimate adoption by the GWA. Mr. Zidar added that all GSAs must adopt the updated GSP, through their Board's noticing and adoption processes and noted that the County submitted and produced the necessary 90-day notice.

Discussion was had on the model and its reliability compared to models of the past years. Mr. Zidar advised that this model has been well calibrated with a sensitivity analysis and a high degree of reliability. Mr. Zidar provided a very brief explanation of the model development and water budgets created for each GSA. The group further discussed the objective to increase supply through recharge and other options planned, including in lieu projects, ponds, and spreading during wet times for future use.

Mr. Zidar provided a schedule of work to be completed, noting a very aggressive schedule to meet the final July 27th submission date of comment responses. Additionally provided were the TM1 Category A Projects, and Plan B Demand Reduction scenarios. Mr. Zidar provide information on the Project Baseline Conditions with Climate Change. The Climate Change scenarios use DWR assumptions and that are being applied most widely. He noted that climate change analysis is needed to be responsive to DWR comments. Slides were provided showing the Hydrologic Groundwater Budget Comparisons with potential effects, demand reductions needed to achieve sustainability, both with and without climate change.

Alternate Director Douglas Smith questioned how close the basin was to sustainability through reduced groundwater pumping. Mr. Zidar noted the sustainability could be achieved by pumping reduction as shown by the model but stated that the GWAs preferred approach to achieving sustainability was by developing projects and utilizing all the water available under current or applied for water rights. Additional discussion was had on the funding and financing portion and the role that each rate payer plays within the basin. It was noted that the category A Projects do go a long way in meeting basin goals and are a good start, but other projects need to occur as well to be sustainable. Mr. Zidar added that outreach to rate payers by GSAs is vital so that the public understands the problems, solutions, and can get on board to vote for appropriate assessments. Director Nakanishi questioned water rights and needing to use them. Mr. Zidar advised that yes, all unused water needs to be looked at and used to meet demand and recharge the groundwater basin, noting there are many potential partnerships amongst GSAs, and even inter-basin partnership opportunities.

Director Flinn added that the GSAs need to educate and involve their community, noting the NSJWCD tax measure structured around compliance with the GSP. Director Flinn added that the tax measure funds are needed to build and complete projects and be in compliance with SGMA, noting that if one GSA is not in compliance, then the whole basin is not in compliance.

Director Henry noted that the Category A Projects, in a normal year, would generate 91k acre feet. This would increase with a wet year and potentially decrease with a dry year.

There is a need for additional outreach by GSAs and problem solving on a basin level, which should be looked at in more depth once the current efforts of GSP Comment responses was completed.

4. FY 2022-23 Budget

Mr. Zidar provided the Board with an overview presentation of the Fiscal Year 2022-2023 Budget, noting it is a work in progress. Mr. Zidar provided details on the Budget Development, including known revenues, forecasted and planned expenses, method to determine member cost totals, and how the costs are to be allocated to the GSAs. The projected revenues include interest income, GSAs cost allocation, aid from Zone 2, grant monies, carry over, and allocated monies from reserve. Mr. Zidar provided information on the projected Expenses as well, noting current work in progress, required expenses versus desired expenses, and variable expenses, which include general office, administration, and technical engineering expenses.

Mr. Zidar noted that the three budget scenarios of low, median, high, and provided details on the known expenses as well as desired expenses. Changes in carryover were noted and the difference between the required budget and the desired budget where shown. Mr. Zidar advocated for a higher budget to increase outreach and grant writing budget line items and build reserves. Additionally reviewed were the line items for technical and engineering services, noting potential items to be included in the budget lines. Mr. Zidar noted the potential for cost sharing with the Tracy Subbasin for some of the projected expenses related to data collection, monitoring network design, data management and reporting.

He provided information on the potential approaches on allocating the GSA costs, noting the 2021/2022 approach used was based on minimum amount, plus a 60/40 pumping and population-based amount and adjustments for the Zone 2 contribution. Additionally noted was the 2020/2021 approach of allocating costs based on classes of groundwater pumping users and population classes. Mr. Zidar noted that these budget items are subject to more discussions within the Technical Advisory Committee and the Steering Committee, before being brought to the Board in June for an approval.

Director Flinn questioned the schedule for the Budget and if the Zone 2 Budget needed to go through the SJC Board of Supervisors (BOS). Mr. Zidar noted the Zone 2 Budget is part of the Special Districts Budget and goes to the BOS in June.

III. Staff and DWR Reports

A. Staff Reports

Mr. Zidar noted that Chairman Winn is working on a water sales tax measure and will be requesting further discussion and support from the GWA Board. Additionally, Mr. Zidar provided details on the June 8th and 9th Legal/Policy and GSA Summits being held by the Groundwater Resources Association of California, noting the event is a great resource for the group to attend and gather information from other GSA in the state.

B. DWR Report

Ms. Chelsea Spier with DWR provided some updates to her monthly report provided to members. Ms. Spier noted there is a webinar scheduled for June 2nd, to discuss the new requirements for County regarding drought planning for small and domestic wells. Additionally noted was a CA Financing Coordination Committee Faire scheduled for May 16th, 17th, providing available grant opportunities.

IV. Directors' Comments and Project Status Reports

Director Holmes noted his thanks to Staff and the TAC/Legal Committees for the efforts on the GSP comment responses. Additionally, Director Holmes suggested staff provide a simplified 22/23 budget for review and approval at GSA Board level, noting agreement to look at the budget deeper in the Fall when time allowed.

Mr. Zidar provided thanks to SSJID Staff and their Legal Team for getting the Legal/Policy Committee together and working.

V. Public Comment

Ms. Mary Elizabeth with the Sierra Delta Group, provided public comment, stating the following items.

- The ESJ Groundwater website, which has been the sum total of public outreach, lists two meetings under “get involved”, the Advisory Committee and Groundwater Authority Meetings. The Advisory Committee is no longer a meeting or open meeting body and as such should not be included as a means by which the public can get involved.
- SGMA calls for the GWA and GSAs to consult stakeholders during the development of the GSP, as well as during the implementation.
- Restricting of information to the public, such as not providing the Board Package on the website prior to this meeting, is problematic, as a means by which the Board can comply with public outreach requirements under SGMA.

VI. Future Agenda Items

None Provided.

VII. Adjournment:

Vice Chairman Panizza adjourned the May 11, 2022 meeting at 12:04 p.m.

Next Regular Meeting:

Wednesday, June 24, 2022

10:30 am – 12:00 pm

San Joaquin County Robert J. Cabral Agricultural Center

**BEFORE THE BOARD OF DIRECTORS OF THE
EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**

RESOLUTION R-22- xx

**Resolution Adopting the Fiscal Year 2022-2023 Budget, Establishing
Member Cost Allocations, and Authorizing the Secretary of the
Authority to Invoice the Member Agencies**

WHEREAS, the Eastern San Joaquin Groundwater Authority (“Authority”) is a Joint Powers Authority created pursuant to California statute, and which is a public entity separate and apart from the Members; and

WHEREAS, the Authority was formed to provide coordination among the Members to develop and implement a Groundwater Sustainability Plan (“GSP”) for the Eastern San Joaquin Subbasin (“Basin”) in accordance with the Sustainable Groundwater Management Act of 2014 (“SGMA”); and

WHEREAS, Article 5 of the Joint Exercise of Powers Agreement Establishing the Eastern San Joaquin Groundwater Authority (“JPA Agreement”) sets forth the Financial Provisions of the Authority; and

WHEREAS, Section 5.1 and Section 5.5 of the JPA Agreement provides that the Authority Board of Directors shall adopt a budget for the Authority for each fiscal year and Members shall share in the general operating and administrative costs of operating the Authority in accordance with the allocation determined by the Authority Board of Directors; and

WHEREAS, both the Steering Committee and Authority Board reviewed the draft proposed budget in May and June 2022, sent the draft budget to the Member Groundwater Authority Agencies (“Member Agencies”) requesting comment and scheduling the item for action at the June 24, 2022 Authority Special Board meeting; and

WHEREAS, adoption of the proposed budget and cost allocation amounts could not be adopted at that time because less than a quorum of the Directors were present; and

WHEREAS, adoption of the proposed budget and cost allocation amounts was rescheduled for action at the July 12, 2022 Authority Board meeting; and

WHEREAS, upon adoption of the proposed budget and cost allocation amounts, the Secretary of the Authority will invoice each of the Member Agencies and each Member Agency shall pay the invoice within ninety (90) days of receiving the invoice from the Secretary; and

NOW, THEREFORE, BE IT RESOLVED:

1. The Authority Board of Directors hereby adopts its Fiscal Year 2022-2023 budget to reflect total expenses for the year from July 1, 2022 through June 30, 2023, not to exceed \$8,469,700 as shown in Table 1 of Exhibit A.

Invoicing: The County of San Joaquin Public Works Director, as the Secretary of the Authority, shall bill Member Agencies for their total contributions. Each invoice will apply the cost allocation methodology set forth in Table 2 of Exhibit A.

2. No Precedent: This FY 2022-2023 budget and cost allocation methodology (including underlying assumptions about groundwater pumping amounts) are not intended to create any precedent or reflect an allocation or determination of water rights. The budget and cost allocation methodology are subject to revision for the next fiscal year.

PASSED AND ADOPTED THIS 13TH day of July, 2022, by the following vote of the Board of Directors of the Eastern San Joaquin Groundwater Authority, to wit:

AYES:

NOES:

ABSENT:

ATTEST: FRITZ BUCHMAN
Secretary of the Eastern San
Joaquin Groundwater Authority

CHUCK WINN, Chairman
Board of Directors of the
Eastern San Joaquin
Groundwater Authority

Table 1

	A	B	C
2	2022-2023 Eastern San Joaquin Groundwater Authority Budget		
3			
4			
5	FY 22-23		
6	Revenue		Total
7			
8			
9	Interest Income		
10	Other Govt Aid (Initial Member Dues)		
11	Other Govt Aid (GSA Cost Allocation)		
12	GWA GSAs Cost Allocation	\$ 220,000	\$ 220,000
13	Other Govt Aid From Zone 2	\$ 225,000	\$ 225,000
14	P68 State (DWR) Sustainable GW Grant (Well 175K + FF 50K)	\$ 225,000	\$ 225,000
15			
16	SGMA Impl Grant Round 1	\$ 7,600,000	\$ 7,600,000
17	Rebates & Refunds		\$ -
18	Carry Over (use of fund balance)	\$ 200,000	\$ 200,000
19	Allocated from Reserve	\$ -	\$ -
20	TOTAL REVENUES	\$ 8,470,000	\$ 8,470,000
23	Expense		Total
24			
25	General Office		
26	Supplies	\$ 500	\$ 500
27	Office Expenses - General	\$ 500	\$ 500
28	Office Supplies-Purch-ISF		\$ -
29	Website Maintenance	\$ 5,000	\$ 5,000
30	Advertising		\$ -
31	Rents Structures & Grounds	\$ 4,800	\$ 4,800
32	Small Tools & Instruments		\$ -
33	Postage	\$ 1,000	\$ 1,000
34	Auditor's Payroll & A/P Charges	\$ 1,000	\$ 1,000
35	Subtotal	\$ 12,800	\$ 12,800
36	Management and Administration		
37	Meetings (Clerk and Records)	\$ 20,000	\$ 20,000
38	Budget, Contract Administration and Accounting	\$ 30,000	\$ 30,000
39	Professional Services PW Admin	\$ 60,000	\$ 60,000
40	Professional Services: GWA Legal	\$ 15,000	\$ 15,000
41	Professional Services: County Legal	\$ 12,000	\$ 12,000
42	Professional Services Public Outreach	\$ 15,000	\$ 15,000
43	Interbasin Coordination	\$ 2,000	\$ 2,000
44	Grant writing	\$ 25,000	\$ 35,000
45	Subtotal	\$ 52,000	\$ 189,000
46	Technical and Engineering Services		
47	2023 Annual Report	\$ 40,000	\$ 45,000
48	Groundwater Data Collection	\$ 16,000	\$ 16,000
49	Implementation of Instrumentation (Representative Wells)	\$ -	\$ -
50	Monitoring Network Evaluation	\$ 6,400	\$ 6,400
51	DMS Implementation	\$ 15,000	\$ 15,000
52	Response and Coordination for DWR review	\$ 25,000	\$ 40,000
53	Model Devel & Support	\$ 7,500	\$ 7,500
54	Funding and Financing (Prop 68)	\$ 125,000	\$ 140,000
55	Water Accounting Framework	\$ 100,000	\$ 115,000
56	P68 State (DWR) Sustainable GW Grant (Well 175K)	\$ 175,000	\$ 183,000
57	Grant Funded (SGMA Imple Grant Award)		\$ -
58	Grant Administration	\$ 100,000	\$ 100,000
59	Mokelumne River Water Rights Development	\$ 3,000,000	\$ 3,300,000
60	NSJWCD North Systems	\$ 3,900,000	\$ 3,900,000
61	City of Stockton Geophysical Survey	\$ 300,000	\$ 300,000
62	Subtotal	\$ 7,665,000	\$ 8,167,900
63			
64	Reserved Expenditure		
65	Reserve- dedication FY 22-23	\$ 100,000	\$ 100,000
66			\$ -
67	Subtotal	\$ 100,000	\$ 100,000
68			
69	TOTAL EXPENSES	\$ 7,829,800	\$ 8,469,700
75			
76			Reserve Balance
77	Reserve		\$ 270,000
78	FY 22/23 Reserve Contribution		\$ 100,000
79	Total		\$ 370,000

Table 2

Required Cost Allocation Based 60/40 w/ Membership Minimum and East Side Z2 Adj

	1	2	3	GSA Funding			7	8	
GSA	Total Pumping-Projected (AFY)	Population (2017)	Minimum	Pumping	Population	EastSide GSA Non-Zone 2 Adjustment	Total	%	
CDWA	9,611	1,629	\$ 8,500	\$ 1,327	\$ 200	\$ (1,000)	\$ 9,027	2.8%	
CSJWCD	138,809	8,047	\$ 8,500	\$ 19,164	\$ 988	\$ (1,000)	\$ 27,652	8.6%	
Eastside SJ GSA	63,500	10,498	\$ 8,500	\$ 8,767	\$ 1,289	\$ 15,000	\$ 33,556	10.5%	
LCSD	1,153	1,558	\$ 8,500	\$ 159	\$ 191	\$ (1,000)	\$ 7,850	2.5%	
LCWD	485	2819	\$ 8,500	\$ 67	\$ 346	\$ (1,000)	\$ 7,913	2.5%	
Lodi	14,520	58,174	\$ 8,500	\$ 2,005	\$ 7,142	\$ (1,000)	\$ 16,647	5.2%	
Manteca	18,985	64,279	\$ 8,500	\$ 2,621	\$ 7,892	\$ (1,000)	\$ 18,013	5.6%	
NSJWCD	146,158	21,977	\$ 8,500	\$ 20,178	\$ 2,698	\$ (1,000)	\$ 30,376	9.5%	
OID	39,952	1,890	\$ 8,500	\$ 5,516	\$ 232	\$ (1,000)	\$ 13,248	4.1%	
SDWA	4,532	7,136	\$ 8,500	\$ 626	\$ 876	\$ (1,000)	\$ 9,002	2.8%	
SEWD	165,025	41,134	\$ 8,500	\$ 22,783	\$ 5,050	\$ (1,000)	\$ 35,333	11.0%	
SJC #1	74,448	16,859	\$ 8,500	\$ 10,278	\$ 2,070	\$ (1,000)	\$ 19,848	6.2%	
SJC #2	8,183	39,779	\$ 8,500	\$ 1,130	\$ 4,884	\$ (1,000)	\$ 13,514	4.2%	
SSJ GSA	60,031	38,080	\$ 8,500	\$ 8,288	\$ 4,675	\$ (1,000)	\$ 20,463	6.4%	
Stockton	23,035	277,120	\$ 8,500	\$ 3,180	\$ 34,024	\$ (1,000)	\$ 44,704	14.0%	
WID GSA	31,238	8,488	\$ 8,500	\$ 4,313	\$ 1,042	(1,000)	\$ 12,855	4.0%	
	799,665	599,467	\$ 136,000	\$ 110,400	\$ 73,600	\$ -	\$ 320,000	100.0%	

Table 3 Percentage

	% Split	GW	Pop
		60%	40%
Medium Cost			
Need	\$ 320,000	\$ 192,000	\$ 128,000
Balance after Minimum	\$ 184,000	\$ 110,400	\$ 73,600
Minimums total	\$ 136,000		

**BEFORE THE BOARD OF DIRECTORS OF THE
EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**

RESOLUTION R-22-xx

**Resolution to Accept the Revised Groundwater Sustainability Plan
and Direct the Secretary to Submit the Plan to the California Department of Water
Resources on Behalf of the Member Agencies**

WHEREAS, the Eastern San Joaquin Groundwater Authority ("Authority") is a Joint Powers Authority created pursuant to California statute, and which is a public entity separate and apart from the Members, and which consists of 16 Groundwater Sustainability Agencies (GSAs); and

WHEREAS, the Authority was formed to provide coordination among the Members to develop and implement a Groundwater Sustainability Plan ("GSP") for the Eastern San Joaquin Subbasin ("Basin") in accordance with the Sustainable Groundwater Management Act of 2014 ("SGMA"); and

WHEREAS, the Authority coordinated among the Members the development of the GSP covering the entire Basin and submitted the GSP to California Department of Water Resources (DWR) in January 2020; and

WHEREAS, The GSP, originally adopted by the GSA members of the Authority, was submitted to the Department of Water Resources ("DWR") on January 29, 2020 in compliance with SGMA; and

WHEREAS, DWR completed its two-year review and by letter dated January 28, 2022, determined the GSP to be incomplete, and identified corrective actions that must be completed within 180 days of this determination and submitted to DWR by July 27, 2022; and

WHEREAS, the staff and consulting team prepared a series of Technical Memorandums addressing the deficiencies and corrective actions and provided the basis for preparing a redline and strikeout revision to the GSP; all of which have been reviewed by the Ad Hoc Technical Advisory Committee and Ad Hoc Legal & Policy Committee over a series of meetings between November 2021 and July 2022; and

WHEREAS, on April 15, 2022, on behalf of the GSAs, the Authority noticed the intent to adopt and amended GSP pursuant to California Water Code Section 10728.4, noting each of the GSAs intent to hold separate, duly noticed public hearings to consider adoption of the amended GSP after July 15, 2022, which is no earlier than ninety (90) days from the date of this notice; and

WHEREAS, the Technical Memorandum and Revised GSP are posted on the Authority website and have been discussed by the Authority at regular public meetings.

NOW, THEREFORE, BE IT RESOLVED that in accordance with the provisions of SGMA, the Authority, on behalf of its Members, authorizes and directs the Authority Secretary to submit the Revised GSP to DWR on or before July 27, 2022.

PASSED AND ADOPTED this 13th day of July, 2022, by the following vote of the Board of Directors of the Eastern San Joaquin Groundwater Authority, to wit:

AYES:

NOES: None

ABSENT:

ATTEST: Fritz Buchman
Secretary of the
Eastern San Joaquin
Groundwater Authority

CHUCK WINN, Chairman
Board of Directors of the
Eastern San Joaquin
Groundwater Authority

Staff Report

TO: GWA Board Steering Committee

FROM: Matt Zidar

Date: June 17, 2022

Subject: FY 2022-23 Budget

Attachment: GSP Budget Tables 1- & 2

The Eastern San Joaquin Groundwater Authority (GWA) Board (Board) adopts an annual budget each fiscal year (July 1 to June 30). A preliminary draft budget was presented to the Board at their May 11th meeting and further discussed at the Steering Committee on June 1st where they formulated the attached recommendation to the Board for consideration at today's meeting.

Budget Scenarios

Attached are the following budget tables.

Table 1. FY 2022-23 Budget Scenarios shows the recommended budget from the steering committee with one change as discussed further below. As in prior years, the approach is to define known revenues, generate expense scenarios and calculate the difference between known revenues and planned expenses. These costs are then distributed to the Groundwater Sustainability Agencies (GSAs) to generate revenue and balance the budget as described in Table 2.

The recommended budget was selected from several scenario and represents the most cost-effective way to continue complying with SGMA requirements and implementing the Groundwater Sustainability Plan (GSP).

Revenues are from member GSA contributions, grants, and Zone 2 of the San Joaquin County Flood Control and Water Conservation District (District) and costs allocated to the GSAs (lines 9-19). The Revenue include all sources of funding from existing grants under contract and the pending DWR SGMA Implementation Round 1 Grant that was recently awarded to the GWA (\$7.6 M). The highlighted cell shows the GSA costs based on the method above.

Expenses were categorized into General Office, Management and Administration, Technical and Engineering, Work in Progress and Reserves. Under the Technical and Engineering Services expenses, the Desired Scenario includes work items that are shaded green that may be eligible for grant funding and would support implementing the GSP (lines 49-53) should grant funding be obtained. Some of these may be cost shared with the Tracy Subbasin GSAs, represent project management actions included in the response to DWR comments, or investments that would result in cost savings to the GSAs over time. The green shaded items not fully funded unless grants are obtained include the following.

- Implementation of Instrumentation (Representative Wells). This would be to put solid state data recorders, transducers, and telemetry on representative monitoring wells. This would improve data collection, reduce the cost for field visits, increase the data available and provide

more accurate information. This is a three-to-five-year effort to put in between 5-10 collection platforms per year.

- **Monitoring Network Evaluation.** The purpose of this work is to evaluate and redesign the groundwater level and quality monitoring network to reduce the overall cost while keeping or improving the information quality and representativeness.
- **DMS Implementation.** The purpose of this task is to coordinate with the Tracy subbasin to identify and implement a Data Management Systems that would serve both basins; and improve quality control, data management, analysis and required reporting. There are currently two different systems. These and other alternatives would be evaluated, demonstrated, and selected by an interbasin work group and then implemented to meet business needs.
- **Model Development & Support.** The model was upgraded and has been applied to the analysis of the priority projects. This budget is to support the further analysis of the water accounting framework and to evaluate other projects that may seek to be grant funded so that benefits may be quantified, and impacts evaluated. Some of these costs could be borne by project proponents but it is recommended some funds be allocated to this purpose should it be necessary to further apply the model to demonstrate to DWR that the proposed project management actions would help achieve sustainability goals.

There is one variance from the SC June 1 recommendation related to the Response and Coordination for DWR Comments (line 52). The FY 21-22 budget included \$100,000 for the response to comments. There were cost above the budgeted amount of approximately \$30,000 through April, and we anticipate additional expenses estimated at \$20,000. A total of \$50,000 is included in the FY 2022-23 budget to cover the additional expenses. The additional expenses were related to the gathering data on GSA projects to model the benefits; modeling and reporting of the with projects, demand reduction and climate change scenarios; preparing presentations and documentation, multiple rounds of edits on the TMs, extensive meetings with GWA and the committees, work to complete the GSP redline, meetings with DWR and coordinating the final package with the GWA and GSAs.

The orange highlighted expense line items show how the pending DWR Implementation Grant funding will be allocated. Work in Progress includes existing contracted work, most of which has been grant funded.

The Reserve expenditure (line 69) is to build funding for the five-year update or to serve as a contingency fund for the GWA to allocate as issues or opportunities arise (e.g.; grants).

Cost Allocation

Tables shows the Cost Allocation Based 60/40 w/ Minimum GSA Charge and East Side Zone 2 Adjustment. This method is based on proportionate distributing costs to the GSAs based on 60% groundwater pumping and 40% population, a minimum cost of \$8,500 and apportionment of the Zone 2 benefits to those within the zone. Only the East Side GSA is not in Zone 2 and therefore cannot receive the benefit.

Table 1

	A	B	C
2	2022-2023 Eastern San Joaquin Groundwater Authority Budget		
3			
4			
5	FY 22-23		
6	Revenue		Total
7			
8			
9	Interest Income		
10	Other Govt Aid (Initial Member Dues)		
11	Other Govt Aid (GSA Cost Allocation)		
12	GWA GSAs Cost Allocation	\$ 220,000	\$ 220,000
13	Other Govt Aid From Zone 2	\$ 225,000	\$ 225,000
14	P68 State (DWR) Sustainable GW Grant (Well 175K + FF 50K)	\$ 225,000	\$ 225,000
15			
16	SGMA Impl Grant Round 1	\$ 7,600,000	\$ 7,600,000
17	Rebates & Refunds		\$ -
18	Carry Over (use of fund balance)	\$ 200,000	\$ 200,000
19	Allocated from Reserve	\$ -	\$ -
20	TOTAL REVENUES	\$ 8,470,000	\$ 8,470,000
23	Expense		Total
24			
25	General Office		
26	Supplies	\$ 500	\$ 500
27	Office Expenses - General	\$ 500	\$ 500
28	Office Supplies-Purch-ISF		\$ -
29	Website Maintenance	\$ 5,000	\$ 5,000
30	Advertising		\$ -
31	Rents Structures & Grounds	\$ 4,800	\$ 4,800
32	Small Tools & Instruments		\$ -
33	Postage	\$ 1,000	\$ 1,000
34	Auditor's Payroll & A/P Charges	\$ 1,000	\$ 1,000
35	Subtotal	\$ 12,800	\$ 12,800
36	Management and Administration		
37	Meetings (Clerk and Records)	\$ 20,000	\$ 20,000
38	Budget, Contract Administration and Accounting	\$ 30,000	\$ 30,000
39	Professional Services PW Admin	\$ 60,000	\$ 60,000
40	Professional Services: GWA Legal	\$ 15,000	\$ 15,000
41	Professional Services: County Legal	\$ 12,000	\$ 12,000
42	Professional Services Public Outreach	\$ 15,000	\$ 15,000
43	Interbasin Coordination	\$ 2,000	\$ 2,000
44	Grant writing	\$ 25,000	\$ 35,000
45	Subtotal	\$ 52,000	\$ 189,000
46	Technical and Engineering Services		
47	2023 Annual Report	\$ 40,000	\$ 45,000
48	Groundwater Data Collection	\$ 16,000	\$ 16,000
49	Implementation of Instrumentation (Representative Wells)	\$ -	\$ -
50	Monitoring Network Evaluation	\$ 6,400	\$ 6,400
51	DMS Implementation	\$ 15,000	\$ 15,000
52	Response and Coordination for DWR review	\$ 25,000	\$ 40,000
53	Model Devel & Support	\$ 7,500	\$ 7,500
54	Funding and Financing (Prop 68)	\$ 125,000	\$ 140,000
55	Water Accounting Framework	\$ 100,000	\$ 115,000
56	P68 State (DWR) Sustainable GW Grant (Well 175K)	\$ 175,000	\$ 183,000
57	Grant Funded (SGMA Imple Grant Award)		\$ -
58	Grant Administration	\$ 100,000	\$ 100,000
59	Mokelumne River Water Rights Development	\$ 3,000,000	\$ 3,300,000
60	NSJWCD North Systems	\$ 3,900,000	\$ 3,900,000
61	City of Stockton Geophysical Survey	\$ 300,000	\$ 300,000
62	Subtotal	\$ 7,665,000	\$ 8,167,900
63			
64	Reserved Expenditure		
65	Reserve- dedication FY 22-23	\$ 100,000	\$ 100,000
66			\$ -
67	Subtotal	\$ 100,000	\$ 100,000
68			
69	TOTAL EXPENSES	\$ 7,829,800	\$ 8,469,700
75			
76			Reserve Balance
77	Reserve		\$ 270,000
78	FY 22/23 Reserve Contribution		\$ 100,000
79	Total		\$ 370,000

Table 2

Required Cost Allocation Based 60/40 w/ Membership Minimum and East Side Z2 Adj

	1	2	3	GSA Funding			7	8	
GSA	Total Pumping-Projected (AFY)	Population (2017)	Minimum	Pumping	Population	EastSide GSA Non-Zone 2 Adjustment	Total	%	
CDWA	9,611	1,629	\$ 8,500	\$ 1,327	\$ 200	\$ (1,000)	\$ 9,027	2.8%	
CSJWCD	138,809	8,047	\$ 8,500	\$ 19,164	\$ 988	\$ (1,000)	\$ 27,652	8.6%	
Eastside SJ GSA	63,500	10,498	\$ 8,500	\$ 8,767	\$ 1,289	\$ 15,000	\$ 33,556	10.5%	
LCSD	1,153	1,558	\$ 8,500	\$ 159	\$ 191	\$ (1,000)	\$ 7,850	2.5%	
LCWD	485	2819	\$ 8,500	\$ 67	\$ 346	\$ (1,000)	\$ 7,913	2.5%	
Lodi	14,520	58,174	\$ 8,500	\$ 2,005	\$ 7,142	\$ (1,000)	\$ 16,647	5.2%	
Manteca	18,985	64,279	\$ 8,500	\$ 2,621	\$ 7,892	\$ (1,000)	\$ 18,013	5.6%	
NSJWCD	146,158	21,977	\$ 8,500	\$ 20,178	\$ 2,698	\$ (1,000)	\$ 30,376	9.5%	
OID	39,952	1,890	\$ 8,500	\$ 5,516	\$ 232	\$ (1,000)	\$ 13,248	4.1%	
SDWA	4,532	7,136	\$ 8,500	\$ 626	\$ 876	\$ (1,000)	\$ 9,002	2.8%	
SEWD	165,025	41,134	\$ 8,500	\$ 22,783	\$ 5,050	\$ (1,000)	\$ 35,333	11.0%	
SJC #1	74,448	16,859	\$ 8,500	\$ 10,278	\$ 2,070	\$ (1,000)	\$ 19,848	6.2%	
SJC #2	8,183	39,779	\$ 8,500	\$ 1,130	\$ 4,884	\$ (1,000)	\$ 13,514	4.2%	
SSJ GSA	60,031	38,080	\$ 8,500	\$ 8,288	\$ 4,675	\$ (1,000)	\$ 20,463	6.4%	
Stockton	23,035	277,120	\$ 8,500	\$ 3,180	\$ 34,024	\$ (1,000)	\$ 44,704	14.0%	
WID GSA	31,238	8,488	\$ 8,500	\$ 4,313	\$ 1,042	(1,000)	\$ 12,855	4.0%	
	799,665	599,467	\$ 136,000	\$ 110,400	\$ 73,600	\$ -	\$ 320,000	100.0%	

Table 3 Percentage

	% Split	GW	Pop
		60%	40%
Medium Cost			
Need	\$ 320,000	\$ 192,000	\$ 128,000
Balance after Minimum	\$ 184,000	\$ 110,400	\$ 73,600
Minimums total	\$ 136,000		

Grants

California Grants Portal

The California State Library, in partnership with the Department of Water Resources and other state grantmaking agencies, has launched the California Grants Portal – your one destination to find all state grant and loan opportunities provided on a first-come or competitive basis. Visit grants.ca.gov to find funding opportunities for you and your community.

DWR: IWRM Grant Funding Final Guidelines and Proposal Solicitation Package Announced

We are pleased to announce the release of the FINAL 2022 IRWM Grant [Program Guidelines](#) and [Proposal Solicitation Package](#) for the [Proposition 1 - Round 2 IRWM Implementation Grant](#). **This solicitation will make approximately \$193 million in grant funding available for IRWM implementation projects.** For more information on the Proposition 1 IRWM Implementation Grant Program, visit Implementation Grant Program or e-mail us at: dwr_irwm@water.ca.gov. Application deadlines are August 19, 2022 and February 1, 2023.

DRAFT Prop 68 Groundwater – Drinking Water Treatment Operations and Maintenance Funding Program

The State Water Resource Control Board has released the program guidelines for the [Prop 68 Drinking Water Treatment Operations and Maintenance Funding Program](#) and is **accepting comments through July 6, 2022**. [Guidelines can be viewed here](#) and 3 in person workshops will be held on the following dates:

- Central Valley Workshop: Tuesday, May 24, 2022, 11:00 am – 12:00 noon, Fresno
- Southern California Workshop: Wednesday, May 25, 2022, 11:00 am – 12:00 noon, Glendale
- Northern California Workshop: Friday, May 27, 2022, 10:30 am – 12:00 noon, Sacramento (in-person and remote participation)

USBR: WaterSMART Drought Grants for Fiscal Year 2023

Reclamation is making [\\$160 million available for WaterSMART grants](#) for projects that will result in quantifiable water savings, implement renewable energy components, and support broader sustainability benefits. Additional funding opportunities will be coming from USBR in the coming months. **Applications are due July 28, 2022.** For more information on this funding opportunity, visit www.grants.gov and search funding opportunity number R23AS00008

CA Wildlife Conservation Board: Pre-Application form now available

WCB uses a single continuous grant application process for all proposed projects. The process begins with a Pre-Application (Word). Applicants do not need to determine which WCB Grant Program or Funding Source to apply to; rather, WCB staff will determine that during application review. [General grant guidelines](#) and [more information about WCB grants](#) can be found here.

White House Press release

The White House on January 31st released a guide for state, local, tribal and territorial governments to funding under the new bipartisan infrastructure law. The [press release and guide](#) can be found here.

April 2022, the White House released a Rural Playbook to help state, local, Tribal and territorial governments in rural areas unlock the benefits from the Bipartisan Infrastructure Law (aka the Infrastructure Investment and Jobs Act). <https://www.whitehouse.gov/wp-content/uploads/2022/04/BIL-Rural-Playbook-.pdf>

Strategic Growth Council: Regional Climate Collaboratives Program

The California Strategic Growth Council (SGC) invites Pre-Proposals for Round 1 of [the Regional Climate Collaboratives Program](#). **Pre-applications are due July 15, 2022.** This new capacity building grant program funds community-rooted and cross-sectoral partners to develop the processes, plans, and projects that will drive and sustain climate action in their communities. In this first round, SGC has \$8.35 million available for grant

awards, and applicants have flexibility in requesting their funding amount within the range of \$500,000 - \$1,750,000. The full [Notice of Funding availability can be seen here](#).

ICARP Grant Programs

Three new grant programs were authorized under the 2021 State Climate Budget to fund local, regional, and tribal **climate adaptation and resilience efforts** across the state. [More information including registration for listening session webinars can be found here](#).

- The ICARP Adaptation Planning Grant Program will invest \$25 million over multiple funding rounds for local, regional, and tribal governments to support climate adaptation and resilience planning activities.
- The ICARP Regional Resilience Planning and Implementation Grant Program will invest \$250 million over multiple funding rounds to scale regional climate resilience solutions.
- The ICARP Extreme Heat and Community Resilience Grant Program will support local and regional heat adaptation by investing \$100 million in extreme heat and urban heat island mitigation activities.

Other state & federal grant websites for resources that may be helpful are:

- California Financing Coordinating Committee -- <https://cfcc.ca.gov/>, and
- CalOES grants -- <https://www.caloes.ca.gov/cal-oes-divisions/grants-management>
- US EPA -- <https://www.epa.gov/grants/specific-epa-grant-programs>, and
- Economic Development Administration -- <https://eda.gov/funding-opportunities/>

Upcoming conferences, webinars, new reports and data

NEW: FREE Leak Detection for Small Water Systems

Protecting California's water supply is more important than ever as we brace for another year of drought conditions. The California Rural Water Association (CRWA), in partnership with the Department of Water Resources, is offering FREE leak detection surveys for small water systems. **If you are a small (including Tribal) water system with 3,000 connections or less, sign up for a free leak detection survey today! Please contact Ruby Viramontes at: rviramontes@calruralwater.org to get started.**

Webinar on County Drought Plan Requirements for State Small Water Systems and Domestic Wells

DWR and the State Water Resources Control Board will host a series of webinars on their development of a guidebook for preparing county drought plans. The plans will focus on helping small water systems and rural communities. The [first of the three webinars was Thursday, June 2](#) and the [recording can be viewed here](#). The webinar included a review of the requirements in [Senate Bill 552](#) that cover drought planning.

Executive Order N-7-22

On March 28, 2022 Governor Newsom signed [Executive Order N-7-22](#), which included new well permitting requirements for local agencies to prepare for and lessen the effects of drought conditions (Action 9). The Department, in coordination with the California State Association of Counties (CSAC) and the Rural County Representatives of California (RCAC), hosted a listening session webinar on April 13, 2022 to help clarify the intent of Action 9 requirements. The materials including a fact sheet, recording and presentation materials from the listening session are now posted on DWR's Drought Webpage, under the 'Drought Well Permitting Requirements' accordion dropdown: <https://water.ca.gov/water-basics/drought>.

DWR's Climate Change Program Resources

DWR's Climate change program has lots of initiatives including resources for water managers. Check out their [webpage](#) and [factsheet](#) here.

Webpage for CA Water Plan Update 2023 Published by DWR

DWR has unveiled the new webpage for [California Water Plan Update 2023](#). The California Water Plan is updated every five years. It is the State's strategic plan for managing and developing California's water resources. Update 2023 will emphasize climate change adaptation, regional and watershed resilience, and water equity. **The third Policy Advisory Committee meeting will be held July 21st from 10 am – 1 pm with a focus on equity in water management ([registration link here](#)).** Video recordings of the first 2 meetings [are available here](#).

DWR and the State Water Resources Control Board have released [principles and strategies for groundwater management and drinking water wells](#). The document provides a framework for the development of drought-resistant communities. Approximately 82 percent of Californians rely on groundwater for some portion of their drinking water or other household uses. A [Spanish version](#) of the draft is available.

DWR Released California's Groundwater Update 2020 (formerly Bulletin 118) and California's Groundwater Live Online
The Department of Water Resources (DWR) released the final [California's Groundwater – Update 2020 \(Bulletin-118\)](#), containing information on the condition of the State's groundwater, which is especially important with most of California facing ongoing drought conditions. DWR has also developed a companion web-based application called [California's Groundwater Live](#) (CalGW Live), leveraging the [California Natural Resources Agency Open Data Platform](#) (Open Data) to improve the access and timeliness of statewide groundwater information. The easy-to-use interface will make many of the data sets used in CalGW Update 2020 available in an interactive map format that will be updated regularly for viewing and downloading. For more information, visit the updated [California's Groundwater website](#) Contact: CalGW@water.ca.gov. **NEW drought related features added to domestic and irrigation well dashboards on CA Groundwater Live: The first new feature is a series of new interactive well density layers that summarize the number of domestic and irrigation well completion reports (WCRs) received by the Department over various time periods since 1977. The other new feature has added monthly well statistics for both domestic and irrigation types. This feature allows users to compare the number of new domestic and irrigation wells installed month-by-month since 1977.**

OpenET makes tracking water use data easier with satellite data

A space-based tool is ready to help track water in the western U.S. Using data from satellites, [Open Evapotranspiration](#) (OpenET) gives farmers and other water users information on how much of their water loss ends up as evapotranspiration. The OpenET data are available for 17 western states, including the Colorado River basin area. **Free webinar training series June 1, 8 and 15th 2022 ([more information and registration link here](#)).**

New: Delta Conveyance Project Story Map

The key aspects of the [Delta Conveyance Project](#) are illustrated in a [new story map](#) published by DWR. In addition to covering the elements of the conveyance project, the story map provides a tour of the State Water Project and its vital role in delivering to 27 million Californians, 750,000 acres of farmland, and businesses throughout California. There are also links to resources that provide expanded information on various topics.

SGMA & Drought

NEW: Dry Well Susceptibility Map

The DWR, in coordination with the State Water Resources Control Board, has developed an interactive mapping tool, called the Dry Well Susceptibility Tool. This tool identifies areas within groundwater basins that may be prone to water supply shortages in drinking water wells. State and local agencies and well owners can use this tool to anticipate where wells may go dry based on historical conditions to inform drought preparedness decision-making. To use this tool, navigate to [California's Groundwater Live website](#) and click the [Dry Domestic Well Susceptibility tab](#). A fact sheet on this tool, as well as DWR's Dry Well Reporting System, [is available here](#).

Dry Well Reporting Site

There is a website available to [report private wells going dry](#). Information reported to this site is intended to inform state and local agencies on drought impacts on household water supplies. The data reported on this site (excluding personal identifiable information) can be viewed on the [SGMA data viewer](#) or downloaded on the [CNRA Atlas](#). Individuals or local agencies can report water shortages and [a list of resources are included on the webpage](#). The reporting forms are available in both English and Spanish. [Local agencies can now sign up to receive notifications of any dry wells reported in their area. To sign up please email \[sgmps@water.ca.gov\]\(mailto:sgmps@water.ca.gov\).](#)

Update Your GSA and GSP Manager Point of Contact Information in DWR's SGMA Portal

If your GSA and/or GSP Plan Manager Point of Contact (POC) is not current, or you are not sure, please visit the SGMA Portal to ensure that your contact information is up-to-date. When logged in, the Portal allows edits to be made to previously submitted contact information. If you have SGMA Portal questions, please email them to: GSPSubmittal@water.ca.gov.

DWR Releases GSP Assessments for COD basins that submitted by January 2020

DWR has now released the assessment for all COD basins that submitted GSP's in January of 2020. The release of incomplete determination begins a 180 day timeline to correct identified deficiencies that that precluded approval. These assessments and notification letters, along with other pertinent information, can be viewed [here on the DWR SGMA Portal](#). The Department has updated the SGMA Portal's GSP Reporting System to allow the resubmission of incomplete GSPs and, if applicable, Coordination Agreements. The User Manual may also be viewed and downloaded on the [SGMA Portal Resources Page](#) or at the following link: [User Manual](#).

DWR is developing eight Proposition 68-funded technical projects

These projects include airborne electromagnetic surveys, improving groundwater elevation and quality monitoring networks, Statewide land use data collection, improved subsidence monitoring network, installing and maintaining stream gauges, maintaining and enhancing statewide well completion reports, managing and reporting sustainable groundwater information, and enhancing and maintaining DWR's modeling tools. Fact sheets on each project can be viewed under the "Prop 68" tab [here](#).

- [AEM webpage](#) contains information on the how the process works, safety, schedule, data submission by GSAs, TAC, pilot study data and more. Public webinar was held **June 8th 12:00 – 1:00**, a [recording can be viewed here](#) and [handouts can be downloaded here](#). **Sonoma Valley Basins were surveyed in November, 2021 and North San Joaquin and Southern Sacramento surveys completed in April 2022.**
- [2018 Statewide Crop Mapping data](#) dataset builds on the 2014 and 2016 statewide crop mapping datasets DWR previously released and includes multi-cropping information. The 2018 dataset includes agricultural land use and urban boundaries for all 58 counties in California. Water year 2019 is planned to be released in 2022.
- [InSAR subsidence data](#) is now available [through January of 2022](#) and can be viewed on the [SGMA data viewer](#). The updated GIS services and data reports are also available [online](#). Future data will be released on a quarterly basis.

Outreach and Educational Materials Available

DWR's [SGMA Assistance and Engagement webpage](#) has added new communication and engagement toolkit items including:

- A new video – [Groundwater: California's Vital Resource](#) now available in [English](#), [Spanish](#), [Punjabi](#), and [Hmong](#)
- A Story Map for a non-technical audience – [Groundwater: Understanding and Managing this Vital Resource](#)
- [Guidance on Engaging and Communicating with Underrepresented Groundwater Users](#)
- [SGMA Communications: Media Relations and Social Media](#), including [DWR's Groundwater Media Contacts](#)
- "DWR's Assistance Role in Groundwater Management" video: [English](#) and [Spanish](#)

Facilitation Support Services (FSS): Funding still available

- GSA's developing GSPs are eligible to receive funding for identification and engagement of interested parties, meeting facilitation, interest-based negotiation/consensus building, and public outreach facilitation
- More information [can be found here](#). Written translation services available in 8 languages for outreach materials (5,000 word maximum).