



EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors Meeting

AGENDA

Wednesday, January 8, 2020

11:00 a.m. – 12:00 p.m.

San Joaquin County – Robert J. Cabral Agricultural Center
2101 E. Earhart Avenue – Assembly Room #1, Stockton, California

- I. Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call
- II. SCHEDULED ITEMS – *Presentation materials to be posted on ESJGroundwater.org and emailed prior to the meeting. Copies of presentation materials will be available at the meeting.*
 - A. Discussion/Action Items:
 1. Approval of Minutes of December 11, 2019 (See Attached)
 2. Adopt Resolution Agreeing to Submit the Groundwater Sustainability Plan to the California Department of Water Resources and Transmit an Addendum Identifying Calaveras County as a Member of the Eastside GSA **(2/3 vote required; Resolution attached)**
 3. GSP Submittal Process
 4. 6-Month Scope and Budget
 - a. Staff Report (See Attached)
 - b. Adopt Resolution Amending the Fiscal Year 2019-2020 Budget and Establishing Member Cost Allocations **(2/3 vote required; Resolution attached)**
 5. Next Steps
 6. GSP Development Appreciation
 7. DWR Update
 8. February Agenda Items
 - III. Public Comment (non-agendized items)
 - IV. Directors' Comments
 - V. Future Agenda Items
 - VI. Adjournment

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
Board of Directors Meeting
AGENDA
(Continued)

Next Regular Meeting
February 12, 2020 at 11:00 a.m.
San Joaquin County - Robert J. Cabral Agricultural Center
2101 E. Earhart Ave., Assembly Rm. #1, Stockton, California

Action may be taken on any item

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

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

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
Board Meeting Minutes
December 11, 2019

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

The Eastern San Joaquin Groundwater Authority (GWA) Board meeting was convened when Matt Zidar provided the required safety information announcement. Chair Chuck Winn called to order at 11:07 a.m., on December 11, 2019, at the Robert J. Cabral Agricultural Center, 2101 E. Earhart Ave. Stockton, CA. The Pledge of Allegiance was completed.

In attendance were Chair Chuck Winn and Vice-Chair Mel Panizza; Directors George Biagi, Jr., Alan Nakanishi, David Breitenbucher, David Fletcher, Mike Henry, Eric Thorburn, John Herrick, and Robert Holmes; Alternate Directors Walter Ward, and Joe Valente; and Secretary Kris Balaji.

II. SCHEDULED ITEMS

A. Discussion/Action Items:

1. Approval of Minutes of November 13, 2019

Motion:

Secretary Balaji moved, and Director Fletcher seconded, the approval of the November 13 minutes. The motion passed unanimously.

2. Status of GSP Adoptions

Ms. Alyson Watson walked through GSA adoption status. The GSA representatives confirmed adoption status and provided revised adoption dates as appropriate. The revised adoption dates are the following:

- Linden (new date set due to quorum issue): 12/19/19
- San Joaquin County: 12/17/2019
- Calaveras County: 12/17/19
- Rock Creek adoption date was incorrect and should be 11/21/19 – the GSP was adopted.

Mr. Matt Zidar noted that there is an errata element for Calaveras County being prepared so they could proceed with adoption. He noted that in the GSP introduction, Calaveras County was not listed as part of the Eastside GSA and that JPA council is looking at how to address errata or addendums to the GSP in the future.

3. Ad-Hoc Implementation Committee Recommendations

6-Month Budget and Scope & Cost Allocation Plan (items a & b)

Ms. Jennifer Spaletta (counsel to NSJWCD) asked a clarification question. It was noted that the source of the \$85,000, and \$45,000 is in-kind, and that the agencies that are part of the work have a larger portion. Ms. Spaletta requested consensus agreement on the recommendation. Mr. Zidar provided clarification on the source of funds for contribution from San Joaquin County #1 and San Joaquin County #2, noting that the current source of revenue is Zone 2.

Ms. Spaletta stated that landowners in the Subbasin pay into Zone 2, and that San Joaquin County does not have a revenue source. It was noted that the Board of Directors would not be able to agree on a cost today, as the costs need to be approved at each GSA Board. Ms. Mary Elizabeth (Sierra Club, Delta-Sierra Group) indicated that Zone 2 is subsidizing other GSAs and Cal Water. She asked for clarification on the \$85,000. Mr. Zidar noted that \$27,500 is staff costs as part of the data system, and the balance is the current data collection program done on behalf of Zone 2. He indicated that Zone 2 money will pay for \$85,000 minus \$27,500 for data to be included in annual reporting.

Director Biagi indicated that CDWA has a sticking point on paying another \$10,000 for getting no benefit, as they have no wells. He noted the group has already paid \$2 M and are now asking for another \$382,000. He stated he does not see value in conducting more studies. Ms. Alyson Watson returned to the 6-Month Budget slide to re-iterated the work plan elements.

There was general concern with the range of costs estimate, and concern with spending being on the high-end. Mr. Zidar provided clarification on what portion goes to consultants, indicating that consultants will be involved with Data Management System (DMS), model update and data reporting. GSAs indicated a desire to do most of the work in-house. Mr. Zidar reminded the group that there is a grant into DWR to help subsidize some of the implementation costs and noted that implementation is needed to avoid state intervention.

Director Biagi asked a clarifying question about state intervention and the process for if their GSA did not pay in for implementation dollars. Mr. Paul Wells (DWR) responded, noting that it is a case by case review. He stated that if a GSA were removed, it could be considered an unmanaged area. If GSA did not withdraw as a GSA and said they would not pay, that is for the JPA to address. Mr. Wells noted there are opportunities to modify the basin and the next scheduled time for that is not calendared yet. Director Herrick noted that it is up to the JPA how to handle GSAs not to pay in. He noted that the cost allocation is making it hard for small districts and does not seem fair since big pumpers are paying similar amounts. Director Henry provided context, noting that he is a small pumper and a small pumpers allocation was looked at but Lockeford felt it was important to pay the fair share.

Ms. Spaletta indicated that the budget is creating confusion by not showing pumping numbers, and that the total projected pumping numbers are higher in the future. Mr. Zidar provided additional context from the Ad-Hoc Committee discussion. He stated the group will look at doing the allocation based on pumping numbers in the future, and also to move toward using current, not projected, pumping numbers. Ms. Spaletta noted that if the group is looking at using groundwater pumping, there needs to be agreement on what is meant by groundwater pumping. For example, does it account for direct recharge or just well extraction? She stated that when using a foundation of groundwater pumping, that foundation needs to be understood and agreed upon.

Director Henry noted the Ad-Hoc Committee recognized this issue and acknowledged it as an area to be worked on. He noted it is important that the Ad-Hoc Committee members look at opportunities to lower costs and ranges. Mr. Andrew Watkins noted the usage is projected usage and the model grid size is not accurate enough to show Lockeford and Linden. He stated that the City of Stockton has used a buildout number. He reminded the group that even if an agency does not pump groundwater, they still have to follow regulations and there is some cost to reporting. Secretary Balaji addressed the model pixilation response and commented on 6-month budget. He stated he talked to a State Water Board member at ACWA about the April 2020 reporting deadline. The deadline is written into law, which is causing the requirement. Secretary Balaji noted he asked him to talk to the Director of Water Resources. Director Biagi questioned if the implementation items are mandated; Ms. Watson responded.

Director Holmes provided the perspective from SSJID that they are here to work together to keep the basin and San Joaquin County whole. He noted that a lot of time has been spent on the budget since July and he feels it is equitable. He noted the Ad-Hoc Committee volunteered to become a standing committee to implement the GSP. He stated he is not happy with the cost but the group will need to figure that out as they go. He noted there is a grant outstanding, and he asked the group to support the Ad-Hoc Committee and have confidence in working together.

Ms. Elizabeth indicated that at the Manteca meeting, a \$75,000 annual reporting requirement was brought up, and an annual report may have a reduced scope and may not cost so much. She questioned the outreach costs included in the plan: mailing list maintenance, newsletter at \$30,000, public meeting \$10,000, and website maintenance \$10k. She noted she has not seen a newsletter.

Supervisor Winn noted that based on discussion today, Board representatives should bring information back to their Boards for approval prior to the JPA adopting. Mr. Henry suggested Mr. Zidar as available to meet with individual Boards.

Ms. Jennifer Spaletta made a suggestion about the process, noting that the payment element needs to be in writing. She strongly suggested that the group develop a cost share memorandum. (E.g., the following members agree to budget attached in exhibit sharing cost in following way, and money will be bill and collected in the following way.) This will serve as a template for the process and something that can be taken in clear writing to Boards. She noted this would be needed within a week.

No action was taken on the item at the meeting. Chair Winn noted the importance for every Board to be able to weigh in on this. Supervisor Winn suggested Mr. Zidar can work with the Boards that cannot meet within the timeframe.

Organization and Administration

Ms. Watson presented the Ad-Hoc Committee recommendation for JPA organization and administration.

Motion:

Director Alan Nakanishi moved, and Director Breitenbucher seconded, the approval of Ad-Hoc Committee's recommendation for the following:

- GWA Board to meet monthly or as needed in 2020 through April, then quarterly.
- Ad-Hoc Implementation Committee to become a GWA standing Implementation/Steering Committee, with legal participation.
- County to lead as Plan Manager and administrator with consultant support and close coordination with the Standing Implementation/Steering Committee.
- JPA agreement to be updated as needed and as recommended by the attorney's group.

. The motion passed unanimously.

4. DWR Update

Mr. Paul Wells provided information on a DWR SGMA Workshop on Jan 8th and Jan 9th in Clovis from 8:30 a.m. - 12:30 p.m. He stated that DWR and the State Water Board will discuss the review and assessment process. Mr. Wells discussed the GSP submittal process and the public review and comment period on the adopted Plan. He additionally noted the grant application was in review and that many basins have indicated issues with the April Report deadline and encouraged the Board to comment on that with DWR.

5. January Agenda Items

At the January meeting, the Board will vote on the 6-month budget. It was noted there may be some GSAs that will not be able to come with input based on their meeting schedule.

B. Informational Items:

III. Public Comment (non-agendized items):

Ms. Jennifer Spaletta requested packets for each Board and that the full spreadsheet be circulated. She questioned if County staff had detail to support the administrative portion of the budget. Ms. Elizabeth questioned if the budget is distributed and made available to the public on the website and requested that any standing committee be publicly noticed.

IV. Directors' Comments:

Director Henry noted that ACWA is having a meeting in Fresno on January 8th for a litigation pool discussion. Director Henry also asked if the JPA has someone planned to be at meeting. Mr. Zidar confirmed that would be recommended. Alternate Valente stated the Grape Growers Festival is being hosted with Lodi, on December 19 at 9:00 a.m. at the Lodi Festival Grounds. Supervisor Winn noted the County is doing a presentation of funding on water projects at the next Water Advisory Commission.

Future Agenda Items:

Future agenda items for January include adoption of the GSP, vote on the 6-month budget, implementation next steps, and the 2020 annual report.

V. Adjournment:

The December 11 meeting was closed at 12:26 p.m. Chair Winn adjourned the meeting.

Next Regular Meeting: January 8, 2020 at 11:00 a.m.

Robert J. Cabral Agricultural Center, 2101 E. Earhart Ave. Stockton, CA



MEMBER SIGN-IN SHEET

Location: SJ COUNTY ROBERT J. CABRAL AG CENTER Date: 12/11/19 Time: 11:00 AM

INITIAL	Member's Name	GSA	Phone	Email
	John Freeman	Cal Water Member	209-547-7900	jfreeman@calwater.com
	Jeremiah Mecham	Cal Water Alternate		jmecham@calwater.com
	Steve Cavallini	Cal Water Alternate	209-464-8311	scavallini@calwater.com
GB	George Biagi, Jr.	Central Delta Water Agency Member	209-481-5201	gbiagi@deltabluegrass.com
	Dante Nomellini	Central Delta Water Agency Alternate	209-465-5883	ngmplcs@pacbell.net
	Grant Thompson	Central San Joaquin Water Conservation District Member	209-639-1580	gtom@velociter.net
	Reid Roberts	Central San Joaquin Water Conservation District Alternate	209-941-8714	reidwroberts@gmail.com
	Alan Nakanishi	City of Lodi Member <i>OK</i>	209-333-6702	anakanishi@lodi.gov
CS	Charlie Swimley	City of Lodi Alternate	209-333-6706	cswimley@lodi.gov
	David Breitenbucher	City of Manteca Member <i>DB</i>	209-456-8017	dbreitenbucher@ci.manteca.ca.us
		City of Manteca Alternate		
	Dan Wright	City of Stockton Member	209-937-5614	Dan.Wright@stocktonca.gov
	Paul Canepa	City of Stockton Alternate	209-603-7091	Paul.Canepa@stocktonca.gov
	Mel Lytle	City of Stockton Alternate	209-	Mel.Lytle@stocktonca.gov

INITIAL	Member's Name	GSA	Phone	Email
	Russ Thomas	Eastside San Joaquin GSA Member	209-480-8968	rthomascwd@hotmail.com
WW	Walter Ward	Eastside San Joaquin GSA Alternate	209-525-6710	wward@envres.org
DF	David Fletcher	Linden County Water District Member	209-887-3202	dqfpe@comcast.net
	Paul Brennan	Linden County Water District Alternate	209-403-1537	ptbrennan@verizon.net
MH	Mike Henry	Lockeford Community Services District Member	209-712-4014	midot@att.net
	Joseph Salzman	Lockeford Community Services District Alternate	209-727-5035	lcsd@softcom.net
	Eric Schmid	Lockeford Community Services District Alternate	209-727-5035	lcsd@softcom.net
	Tom Flinn	North San Joaquin Water Conservation District Member	209-663-8760	tomflinn2@me.com
JV	Joe Valente	North San Joaquin Water Conservation District Alternate	209-334-4786	jcvalente@softcom.net
ET	Eric Thorburn, P.E.	Oakdale Irrigation District Member	209-840-5525	ethorburn@oakdaleirrigation.com
		Oakdale Irrigation District Alternate		
C	Chuck Winn	San Joaquin County Member	209-953-1160	cwinn@sigov.org
	Kathy Miller	San Joaquin County Alternate	209-953-1161	kmiller@sigov.org
JH	John Herrick, Esq.	South Delta Water Agency Member	209-224-5854	jherrlaw@aol.com
	Jerry Robinson	South Delta Water Agency Alternate	209-471-4025	N/A
RH	Robert Holmes	South San Joaquin GSA Member	209-484-7678	rholmes@ssjid.com
BN	Brandon Nakagawa	South San Joaquin GSA Alternate	209-249-4613	bnakagawa@ssjid.com
MP	Melvin Panizza	Stockton East Water District Member	209-948-0333	melpanizza@aol.com
AW	Andrew Watkins	Stockton East Water District Alternate	209-484-8591	watkins.andrew@verizon.net
	Anders Christensen	Woodbridge Irrigation District Member	209-625-8438	widirrigation@gmail.com
		Woodbridge Irrigation District Alternate		

Eastern San Joaquin Groundwater Authority Staff & Support

INITIAL	Member's Name	Organization	Phone	Email
<i>WB</i>	Kris Balaji	San Joaquin County	468-3100	kbalani@sigov.org
<i>Present</i>	Fritz Buchman	San Joaquin County	468-3034	fbuchman@sigov.org
<i>Present</i>	Matt Zidar	San Joaquin County	953-7460	mzidar@sigov.org
	Glenn Prasad	San Joaquin County	468-3089	grasad@sigov.org
<i>MC</i>	Mike Callahan	San Joaquin County	468-9360	mcallahan@sigov.org
<i>AC</i>	Alicia Connelly	San Joaquin County	468-3531	aconnelly@sigov.org
	Jessica Jones	San Joaquin County	468-3073	jessicajones@sigov.org
<i>Present</i>	Roy Valadez	San Joaquin County	468-3089	rvaladez@sigov.org
<i>KS</i>	Kristy Smith	San Joaquin County	468-0219	kmsmith@sigov.org
	Rod Attebery	Neumiller & Beardslee / Legal Counsel	948-8200	rattebery@neumiller.com
<i>MS</i>	Monica Streeter	Neumiller & Beardslee / Legal Counsel	948-8200	mstreeter@neumiller.com



OTHER INTERESTED PARTIES - SIGN-IN SHEET

Location: SJ COUNTY ROBERT J. CABRAL AG CENTER Date: 12/11/2019 Time: 11:00 AM

INITIAL	Member's Name	Organization	Phone	Email
STS	STACIE ANN SILVA	NEW CURRENT WATER + LAND	559 970-5135	ssilva@newcurrentwater.com
	SCOT MOODY	SJWU		
CSK	Clint Kennedy	Woodard & Curran	650-283-1748	cskennedy@woodardcurran.com
SW	Paul Walls	DWR	916 376 9655	
R	Rodney Fricke	G&I for Sacramento County	916 407 8539	rfricke@gei-consultants.com
EP	Ellen Powell	EJC4W	209-538-7341	ellen@ejc4w.org
MS	Grace Su	EBMUD		
FB	Fritz Buchner	SJC		
EM	Elba Mijango	City of Manteca	—	—
D.T.	Danny Trejo	City of Stockton		
ES	Emily Sheldon	Oakdale Irrigation District		
ME	Mary Elizabeth	Sierra Club		

Eastern San Joaquin Groundwater Authority
 GSA Outreach Activities - December 2019

Agency Name	Update Website	Use Outreach Slides	Post to Social Media	Other
Cal Water				
Central Delta Water Agency				
Central San Joaquin Water Conservation District				
City of Lathrop				
City of Lodi				
City of Manteca				
City of Stockton				
Eastside San Joaquin GSA				
Linden County Water District				
Lockeford Community Services District				
North San Joaquin Water Conservation district	Updated for December	Review at December Board Meeting	Workshop announcement 12.19	Landowner workshop postcard mailing & Monthly Agenda item
Oakdale Irrigation District				
San Joaquin County				
South Delta Water Agency				
South San Joaquin Groundwater Sustainability Agency				
Stockton East Water District				
Woodbridge Irrigation District GSA				

Please indicate which of the above outreach activities your GSA has planned for the upcoming month. Please approximate date of completion.

Staff Report for January 8, 2020: ESJ GWA Board Meeting

Agenda Item #2: Adopt Resolution R-20-01 Agreeing to Submit the Groundwater Sustainability Plan to the California Department of Water Resources

Submitted by: Woodard & Curran

Meeting Agenda

1. Approval of Minutes of December 11, 2019
2. Adopt Resolution R-20-01 Agreeing to Submit the Groundwater Sustainability Plan to the California Department of Water Resources and Transmit an Addendum Identifying Calaveras County as a Member of the Eastside GSA (2/3 vote required; Resolution attached)
3. GSP Submittal Process
4. Adopt Resolution R-20-02 Amending the Fiscal Year 2019-2020 Budget and Establishing Member Cost Allocations (2/3 vote required; Resolution attached)
5. Next Steps
6. GSP Development Appreciation
7. DWR Update
8. February Agenda Items

Agenda Item #2: Adopt Resolution R-20-01 Agreeing to Submit the Groundwater Sustainability Plan to the California Department of Water Resources

ISSUE SUMMARY

Adopt resolution to submit the Groundwater Sustainability Plan.

QUESTION FOR CONSIDERATION: Should the JPA adopt the resolution and submit the GSP to DWR?

INTRODUCTION:

The JPA is considering adoption of a resolution that does the following:

1. Identifies that each of the member GSA's have, or will have, adopted the GSP prior to January 31, 2020;
2. The ESJGWA Authority agrees to submit the GSP to DWR on behalf of the Member agencies on or prior to January 31, 2020; and
3. Identifies that Calaveras County was inadvertently left out of the description of the Eastside GSA and provides updated information regarding the Calaveras County General Plan.
4. Identifies that the clerical/textual error is not substantive, does not substantively modify the GSP or the sustainable management of groundwater within the Basin.

This item will require a 2/3 vote of the directors present.

RECOMMENDATION

It is recommended that the ESJGWA Board of Directors adopt Resolution R-20-XX agreeing to submit the Groundwater Sustainability Plan to the California Department of Water Resources on behalf of the member agencies and transmit an addendum identifying Calaveras County as a member of the Eastside GSA.

BOARD RECOMMENDATION

Board to consider on January 8, 2020.

ATTACHMENT
II.A.2

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

RESOLUTION R-20-___

**RESOLUTION AGREEING TO SUBMIT A GROUNDWATER SUSTAINABILITY PLAN TO
THE CALIFORNIA DEPARTMENT OF WATER RESOURCES ON BEHALF OF THE
MEMBER AGENCIES AND TRANSMIT AN ADDENDUM IDENTIFYING CALAVERAS
COUNTY AS A MEMBER OF THE EASTSIDE GROUNDWATER SUSTAINABILITY
AGENCY**

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, each of the Authority members is a local agency which elected to establish itself as a Groundwater Sustainability Agency ("GSA") in accordance with SGMA; and

WHEREAS, SGMA requires that one or more GSPs be developed and implemented for each medium- or high-priority basin, and that these GSPs for basins designated as critically overdrafted be submitted to the California Department of Water Resources ("DWR") by January 31, 2020; and

WHEREAS, the Authority has coordinated among the Members the development of a GSP covering the entire Basin; and

WHEREAS, each Member GSA has or will have adopted the GSA prior to January 31, 2020 in accordance with SGMA; and

WHEREAS, one member of the Authority, the Eastside GSA, was inadvertently misdescribed in the GSP; and

WHEREAS, the Eastside GSA is composed of Calaveras County Water District, Stanislaus County, Calaveras County, and Rock Creek Water District. Calaveras County was inadvertently excluded from the textual description in the GSP; and

WHEREAS, the incorrect description of the Eastside GSA does not affect, modify or impact the substantive elements of the GSP; and

WHEREAS, Exhibit "A" to this Resolution contains textual revisions to the GSP which correctly identify Calaveras County as a member of the Eastside GSA and provide updated information regarding the Calaveras County general plan; and

WHEREAS, upon adoption of the GSP by all of the Member GSAs, and prior to January 31, 2020, the Authority, on behalf of its Members, will submit the GSP to DWR, and will include Exhibit "A" as an addendum to the GSP.

NOW, THEREFORE, BE IT RESOLVED that in accordance with the provisions of the Sustainable Groundwater Management Act, the Authority, on behalf of its Members, agrees to submit the Eastern San Joaquin Groundwater Subbasin Groundwater Sustainability Plan to the California Department of Water Resources on or before January 31, 2020.

NOW, THEREFORE, BE IT FURTHER RESOLVED, the Authority has determined the revisions contained in the attached Exhibit "A" are clerical in nature, do not substantively modify the Groundwater Sustainability Plan and the sustainable management of groundwater within the Eastern San Joaquin Groundwater Subbasin, and the Authority will submit to the California Department of Water Resources the attached Exhibit "A" as an addendum to the Groundwater Sustainability Plan to correctly describe and identify Calaveras County as a member of the Eastside GSA and provide updated information regarding the Calaveras County general plan.

PASSED AND ADOPTED this 8th day of January, 2020, by the following vote of the Board of Directors of the Eastern San Joaquin Groundwater Authority, to wit:

AYES:

NOES:

ABSENT:

ATTEST: KRIS BALAJI
Secretary of the
Eastern San Joaquin
Groundwater Authority

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

EXHIBIT A

ADDENDUM TO GROUNDWATER SUSTAINABILITY PLAN

EXECUTIVE SUMMARY

ES-1. INTRODUCTION

In 2014, the California legislature enacted the Sustainable Groundwater Management Act (SGMA) in response to continued overdraft of California's groundwater resources. The Eastern San Joaquin Groundwater Subbasin (Eastern San Joaquin Subbasin, or Subbasin) is one of 21 basins and subbasins identified by the California Department of Water Resources (DWR) as being in a state of critical overdraft. SGMA requires preparation of a Groundwater Sustainability Plan (GSP) to address measures necessary to attain sustainable conditions in the Subbasin. Within the framework of SGMA, sustainability is generally defined as long-term reliability of the groundwater supply and the absence of undesirable results.

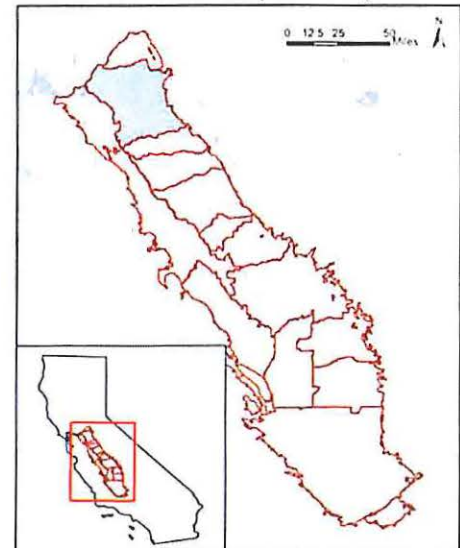
Critical Dates for the Eastern San Joaquin Subbasin

- 2020 By January 31: Submit GSP to DWR
- 2025 Evaluate GSP and update if warranted
- 2030 Evaluate GSP and update if warranted
- 2035 Evaluate GSP and update if warranted
- 2040 Achieve sustainability for the Subbasin

The Eastern San Joaquin Groundwater Authority (ESJGWA) was formed in 2017 in response to SGMA. A Joint Exercise of Powers Agreement establishes the ESJGWA, which is composed of 16 Groundwater Sustainability Agencies (GSAs): Central Delta Water Agency (CDWA), Central San Joaquin Water Conservation District (CSJWCD), City of Lodi, City of Manteca, City of Stockton, Eastside San Joaquin GSA (Eastside GSA) (composed of Calaveras County Water District [CCWD], Stanislaus County, [Calaveras County](#), and Rock Creek Water District), Linden County Water District (LCWD), Lockeford Community Services District (LCSD), North San Joaquin Water Conservation District (NSJWCD), Oakdale Irrigation District (OID), San Joaquin County No. 1, San Joaquin County No. 2 (with participation from California Water Service Company Stockton District [Cal Water]), South Delta Water Agency (SDWA), South San Joaquin GSA (composed of South San Joaquin Irrigation District [SSJID] including Woodward Reservoir, City of Ripon, and City of Escalon), Stockton East Water District (SEWD), and Woodbridge Irrigation District (WID). The ESJGWA is governed by a 16-member Board of Directors (ESJGWA Board), with one representative from each GSA. The Board is guided by an Advisory Committee, also with one representative from each GSA, that is tasked with making recommendations to the ESJGWA Board on technical and substantive matters.

SGMA requires development of a GSP that achieves groundwater sustainability in the Subbasin by 2040. The GSP outlines the need to reduce overdraft conditions and has identified 23 projects for potential development that either replace groundwater use (offset) or supplement groundwater supplies (recharge) to meet current and future water demands. Although current analysis indicates that groundwater pumping offsets and/or recharge on the order of 78,000 acre-feet per year (AF/year) may be required to achieve sustainability, additional efforts are needed to confirm the level of pumping offsets and/or recharge required to achieve sustainability. These efforts include collecting additional data and a review of the Subbasin groundwater model, along with other efforts as outlined in the GSP.

Figure ES-1: GSP Plan Area within the San Joaquin Valley



A Public Draft GSP was prepared and made available for public review and comment on July 10, 2019 for a period of 45 days ending on August 25, 2019. The ESJGWA received numerous comments from the public, reviewed and prepared responses to comments, and revised the Draft GSP. This Final GSP includes those edits and revisions. Comment letters and responses are included as appendices to the GSP.

ES-2. PLAN AREA

The ESJGWA's jurisdictional area is defined by the boundaries of the Eastern San Joaquin Subbasin in DWR's 2003 Bulletin 118 as updated in 2016 and 2018. The Subbasin underlies the San Joaquin Valley, as shown in Figure ES-1.

1.1.4 Agency Information

The Eastern San Joaquin GSP was developed jointly by the Eastern San Joaquin Groundwater Authority (ESJGWA), which is a joint powers authority formed by the 16 groundwater sustainability agencies (GSAs) within the Eastern San Joaquin Subbasin. The ESJGWA includes the Central Delta Water Agency (CDWA), Central San Joaquin Water Conservation District (CSJWCD), City of Lodi, City of Manteca, City of Stockton, Eastside San Joaquin GSA (Eastside GSA) (composed of Calaveras County Water District [CCWD], Stanislaus County, [Calaveras County](#), and Rock Creek Water District), Linden County Water District (LCWD), Lockeford Community Services District (LCSD), North San Joaquin Water Conservation District (NSJWCD), Oakdale Irrigation District (OID), San Joaquin County No. 1, San Joaquin County No. 2, South Delta Water Agency (SDWA), South San Joaquin GSA (composed of South San Joaquin Irrigation District [SSJID] including Woodward Reservoir, City of Ripon, and City of Escalon), Stockton East Water District (SEWD), and Woodbridge Irrigation District (WID). Collectively, these 16 GSAs will be referred to as "GSAs". Figure 1-3 below indicates the jurisdictional boundaries of the individual GSAs.

The GSAs represent a diverse range of water management organizations. The agencies include water agencies, irrigation districts, water conservation districts, and local governments at the city and county level. The GSAs will work through the ESJGWA to implement this GSP to cover the entire geographic extent encompassed by the boundaries of the Eastern San Joaquin Subbasin.

California Water Service Company Stockton District (Cal Water) has formed a partnership with San Joaquin County to participate in the process as part of the San Joaquin County No. 2 GSA, since its status as an investor-owned utility prohibited it from forming its own GSA under SGMA regulations until later amendments under SB 13 (Pavley). As a major purveyor of water in the Stockton region, Cal Water's participation is considered essential to the development of a comprehensive plan for sustainable groundwater management in the Subbasin.

The portion of the City of Lathrop located east of the San Joaquin River was initially involved in the Eastern San Joaquin Subbasin GSP development process as a 17th GSA (City of Lathrop GSA) and was part of the ESJGWA. The City of Lathrop GSA voluntarily withdrew its status from the ESJGWA in March 2019 following DWR's approval of their request for a basin boundary modification between the Eastern San Joaquin Subbasin and the neighboring Tracy Subbasin, which moved the City of Lathrop entirely within the Tracy Subbasin.

Additionally, WID voluntarily withdrew its status as a GSA and its membership in the ESJGWA in December 2018; WID reinstated its status as a GSA and its membership in the ESJGWA in October 2019.

the vicinity of the wastewater treatment plant, White Slough Water Pollution Control Facility. The GSA for the City of Lodi covers 9,000 acres and includes the White Slough Water Pollution Control Facility area (City of Lodi, 2015).

City of Manteca – The approximately 13,000 acres of the City of Manteca straddles Highway 99 south of the City of Stockton. Potable water supplies consist of a combination of groundwater and treated surface water from the South County Water Supply Program (SCWSP). Manteca currently receives up to 11,500 AF/year of treated surface water and ultimately can receive up to 18,500 AF/year in Phase II of the SCWSP. Up to 4,000 AF/year of reclaimed wastewater is applied to fodder crops on City-owned and leased lands (City of Manteca, 2015).

City of Stockton – The City of Stockton Municipal Utilities Department (MUD) service area generally encompasses portions of the City of Stockton north of the Calaveras River and south of the Cal Water service area. Water use measured in 2015 shows approximately 27 percent of the Stockton MUD's water deliveries come from groundwater, with 73 percent from treated surface water from SEWD and the Delta Water Supply Project. The Delta Water Supply Project came online in 2012 and utilizes surface water both from the San Joaquin River (City of Stockton water right) and Mokelumne River through a 40-year agreement with WID initiated in 2008 for up to 6,500 AF/year with more water as the City of Stockton grows. The City of Stockton GSA (approximately 39,000 acres) overlaps with the extent of the Cal Water service area (City of Stockton, 2015).

Eastside San Joaquin GSA – Eastside San Joaquin GSA (Eastside GSA) is a partnership between Calaveras County Water District, Stanislaus County, [Calaveras County](#), and Rock Creek Water District. The area covers over 126,000 acres, stretching into the western portion of Calaveras County and northern portion of Stanislaus County.

- [Calaveras County Water District](#) – The Calaveras County Water District (CCWD) serves a population of 20,700 people through 17,000 service connections and shares the same boundaries as Calaveras County. Supply for CCWD comes from reservoir releases on the Calaveras, Stanislaus, and Mokelumne Rivers for a total of approximately 6,000 AF/year for primarily agricultural and residential use. Though not a reliable source of supply in Calaveras County, groundwater does provide the sole supply for residential use in some areas. CCWD also relies heavily on recycled water to reduce potable water demand. Calaveras County had one of the fastest growing annual percent increase in populations in California between 2000 and 2010 (CCWD, 2015). For the portion of Calaveras County that falls within the Eastern San Joaquin Subbasin, the land is mostly unirrigated with the few crops irrigated by either riparian rights along the Calaveras River or private groundwater wells. The population is estimated to be small and served by private residential pumping.
- [Stanislaus County](#) – Stanislaus County has a total area of 973,000 acres and nine incorporated cities and extends beyond Eastern San Joaquin Subbasin. There are approximately 30 water suppliers that serve water to Stanislaus County for domestic, commercial, and agricultural uses. The majority of the county's population resides in incorporated cities due to urban development and steady population growth within city boundaries. These incorporated cities are outside of the Subbasin. The portions of Stanislaus County that fall within the Eastern San Joaquin Subbasin not already included in a GSA have partnered with the CCWD and Rock Creek Water District as the Eastside GSA. The land is mostly unirrigated, and water needs are met by private pumping.
- [Calaveras County](#) – [Calaveras County has a total area of 663,600 acres and one incorporated city. 44,800 acres in the northwest corner of the county are located in the Eastern San Joaquin Subbasin \(70 square miles, or approximately 7% of the county's total area\). There are approximately 40 small and 5 large public water systems supplying water to Calaveras County for domestic and commercial uses, two of which \(Valley Springs Public Utility District and Calaveras County Water District\) serve properties in the Subbasin. The majority of the county's population resides in unincorporated areas, including all properties in the county's portion of the Subbasin. All portions of Calaveras County within the Eastern San Joaquin Subbasin are included in the Eastside GSA. These lands are primarily non-irrigated agricultural properties, and their domestic and agricultural water needs are largely met through private wells.](#)

1.2.3.1.1 San Joaquin County General Plan

The San Joaquin County General Plan describes the official county "blueprint" on the location of future land use, type of development encouraged, and decisions regarding resource conservation. Stakeholder input informed the development of the county's vision and guiding principles, which represent the county's core values and establish benchmarks for the General Plan's goals and policies. The General Plan encourages preservation of the San Joaquin County's groundwater resources and states that future urban and agricultural growth should occur within the sustainable capacity of these resources (SJC, 2016b).

1.2.3.1.2 Calaveras County General Plan

The Calaveras County General Plan ~~has provided~~provides a framework for growth and development in Calaveras County. The Calaveras County General Plan was ~~developed in 1996~~adopted in November 2019 in collaboration with local stakeholders and policymakers to understand the challenges facing the community and to enact a common vision for the future. ~~The Calaveras County Planning Commission has been working since 2008 to revise the General Plan, which is now more than 20 years old.~~

The Calaveras County General Plan recognizes that water is a limited and valuable resource and that the region is experiencing localized problems with both water supply and quality. To mitigate these issues, the General Plan delineates policies and ~~goals~~implementation measures that promote sustainable water resources management in the region. Policies in the General Plan's Public Facilities and Services Element specifically identify the need to sustainably manage groundwater resources in the region of the Subbasin and to encourage regional collaboration between water providers. Additionally, several implementation measures of the General Plan direct the county to work cooperatively with other jurisdictions and regional agencies to develop a management plan for the Basin. (Calaveras County, 2019)(Calaveras County, 1996).

1.2.3.1.3 Stanislaus County General Plan

The Stanislaus County General Plan provides a comprehensive, long-term plan to guide development within the Stanislaus County boundaries through 2035. The General Plan was updated and adopted in 2016 to reflect the evolving conditions of the region. While Stanislaus County's economic base remains predominantly agricultural, the county's land use and economy continue to diversify in response to increased pressure to convert productive agricultural lands to non-agricultural uses. To address the region's changing water needs, the Stanislaus County General Plan supports goals, policies, and implementation measures that promote sustainable water management and protect the local groundwater sources (Stanislaus County, 2016).

1.2.3.1.4 City of Stockton General Plan

The City of Stockton General Plan establishes the City's 2040 vision and provides supporting goals, policies, and actions needed to achieve it. The General Plan for the 2040 vision was built upon the prior 2035 Stockton General Plan (adopted in 2007) and was a collaborative process that involved a diverse group of stakeholders and interests. The General Plan update incorporated feedback from City Council study sessions, Planning Commission study sessions, community workshops, and numerous other public meetings and outreach events (City of Stockton, 2016).

The City of Stockton's General Plan recognizes that groundwater supplies are vital to Stockton's ability to meet current and future water demands. The city has focused attention on optimizing available surface water supplies and cooperating with agencies in the region to manage the groundwater resources at a sustainable yield and to address regulatory pressures, droughts, and saline intrusion (City of Stockton, 2016).

1.2.3.1.5 City of Lodi General Plan

The City of Lodi General Plan Update, published in 2010, outlines a vision for Lodi's future and provides a set of policies and programs that guide community growth and development. The 2010 General Plan Update replaced the 1991

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ATTACHMENT
II.A.4a

Staff Report for ESJ GWA Board
6-Month Budget and Scope Items for 2020

Submitted by: Woodard & Curran
Reviewed by: Mike Callahan
Approved by: Matt Zidar

Implementation – Ad Hoc Committee Findings & Input, 6-Month Budget and Scope Items for 2020

ISSUE SUMMARY

The process for cost sharing of GSP implementation items needed to be developed for roll-out after the GSP is adopted. The Chairman of the Board created an Ad-Hoc Committee to refine implementation steps, pathway forward, and cost sharing. The Ad-Hoc Committee created a 6-Month Budget and associated cost-sharing proposal. The Advisory Committee reviewed and recommended the Board approve the 6-Month Budget and proposed scope items. Each individual GSA Board needs to approve the 6-month budget and their contribution along with process for payment.

INTRODUCTION

The Implementation Ad-Hoc Committee has met regularly since August 2019 to consider implementation plan cost refinements and allocation methodology. Several mechanisms for cost share were evaluated including total acreage, developed acreage, population, ability to pay, total water use, and groundwater pumping. The implementation elements for the GSP were laid out in detail in Chapter 7 of the GSP. Annual costs are expected to be \$986,000 excluding costs to implement projects and management actions and one-time costs. The six-month costs from January 2020 through June 2020 for these elements are shown in the table below.

Activity	Estimated Six Month Costs Cost
GSP Implementation and Management for GSAs	
Monitoring and Reporting	
Monitoring	\$87,500
Annual Reporting	\$75,000
Data Management System Updates	\$35,000
Administrative Actions	\$135,000
Public Outreach and Website Maintenance	\$35,000
Model Refinements	\$15,000

At the November 13, 2019 meeting, the Advisory Committee approved a recommendation to the Board to adopt a budget for the period from January 1, 2020 through June 30, 2020 and to reconvene the Ad-Hoc Committee to look at applying a smaller fee for smaller agencies, percent Zone 2 allocations, and other scenarios to arrive at the end of the fiscal year. The items that are part of the 6-Month implementation and budget are identified below. These overall costs are to be distributed to the GSAs as the plan moves from development to implementation. The GWA also authorized Public Works as the Plan Manager to submit a Proposition 68 Grant to support local implementation of the GSP. Should the grant be awarded by the California Department of Water Resources (DWR) in the 2nd Quarter of 2020, the costs to the local GSAs will be revisited and the cost to each may be adjusted for the first six months of the GSP implementation.

Monitoring for Spring Event 2020 (Water Levels and Water Quality) - \$87.5k. This includes conducting groundwater level monitoring at 139 wells and water quality monitoring and testing at 43 wells. Monitoring will be conducted by the County and GSAs with monitoring wells and data will be submitted to the County for compilation and reporting. Costs include estimated fees for labor, equipment rental, and laboratory analysis.

Data Management System - \$35k. The Data Management System is a required component of a GSP and was developed for ESJ in 2019. Data in the DMS needs to be updated to include data beyond 2015 for the first Annual Report, due April 1, 2020. In addition, data from the Spring 2020 monitoring event needs to be imported into the DMS. Elements to support the Annual Report will be summarized and exported. A more detailed review of the business needs and functional requirements for the GSA to enter, conduct QA/QC, review, view, upload and download data, generate reports and share data is needed to ensure state standards are met.

Required DWR April 1, 2020 Reporting - \$75k. Annual Reports must be submitted by April 1 of each year following GSP adoption to DWR. Annual reports must include a description of basin conditions and plan implementation progress.

Model Run Through 2019 - \$15k. For the GSP development the model was run through 2015. For the annual report required for April 1, 2020 by DWR, the model needs to generate output for use through 2019 therefore requires additional data input and runs.

Plan Administration - \$135k Plan administration will include: legal services, insurance, Public Works & Consulting Professional Services to coordinate meetings between the 16 GSAs; coordinate meetings of the proposed GSP Steering Committee; coordination with DWR, Grant and Consultant management, pursuit and management of grants, inter-basin relations, support to GSA for project development, budgeting and accounting, and regular email communications to update GSA members on on-going basin activities; The Ad-Hoc Committee recommendation is that coordination meetings between the 16 GSAs occur monthly with a Board and Advisory Committee through April 2020 then quarterly (or more frequently as needed), with other oversight and administration activities occurring as needed and on an on-going basis. An additional recommendation was to appoint the Ad-Hoc Committee as a standing Steering Committee with legal representation. Other administrative actions may involve tracking and evaluating GSP implementation and sustainability conditions as well as assessing the benefit to the Subbasin. The 6-month estimated fee for GSA administrative actions are estimated at \$135k, including \$25k (\$50k annual) estimated by County staff for an audit and insurance expenses. Until input is received from DWR on the GSP, there will be uncertainty in the level of resources needed for plan implementation.

Outreach - \$35k. This will include providing opportunities for public participation at public meetings, providing access to GSP information online, and conducting continued coordination with entities conducting outreach to diverse communities in the Subbasin. Announcements will continue to be distributed via email prior to public meetings. Emails will also be distributed as specific deliverables are finalized, when opportunities are available for stakeholder input and when this input is requested, or when items of interest to the stakeholder group arise, such as relevant funding opportunities. The Eastern San Joaquin SGMA website, managed as part of GSP administration, will be updated a minimum of monthly, and will house meeting agendas and materials, reports, and other program information. The website may be updated to add new pages as the program continues and additional activities are implemented. Additional public workshops will be held semi-annually to provide an opportunity for stakeholders and members of the public to learn about, discuss, and provide input on GSP activities, progress toward meeting the sustainability goal of this GSP, and the SGMA program.

Six Month Subtotal \$278k - \$383k

The Ad-Hoc Committee developed the cost allocation based on an estimated cost of \$383k. The Ad-Hoc Committee looked at the following cost allocation scenarios:

1. Total acreage
2. Developed acreage
3. Population
4. Ability to pay
5. Total water use
6. Groundwater pumping

Based on these allocation methodologies, the Ad-Hoc Committee recommended that costs are distributed through a mix of cost allocation principles. It is proposed that monitoring, data management and reporting will largely be paid for by the County Zone 2 funds (with the exception of Eastside GSA, which is not covered by the Zone 2 area), with GSAs completing their own

monitoring and reporting through in-kind services. GSAs will be asked to confirm monitoring commitments. For the 6-month budget, administration of the GWA, outreach and website updates are proposed to be evenly distributed among the 16 GSAs. Model refinement is proposed to be shared through a formula of 50% of the total distributed based on population of GSAs and 50% of the total distributed based on future groundwater pumping. After sharing these recommendations at the November 2019 Advisory Committee Meeting, the Ad-Hoc Committee further evaluated the following scenarios:

1. Original recommendation adjusted for 6 months
2. Flat rate/fee for SDWA, CDWA, Linden, and Lockeford applied to original recommendation
3. % of Zone 2 contribution applied to original recommendation
4. Cost allocation by groundwater pumping only

Following additional evaluation, the Ad-Hoc Committee recommendation was to stay with the original recommendation of a 50/50 split for modeling (groundwater pumping/population), even split items, and eastside adjustment, with the following stipulations:

- The recommendation lays out a timeframe for moving to 60/40 split (pumping/population), with the goal of incrementally moving toward a cost allocation based on groundwater pumping only when developing the annual budget for future fiscal years.
- Future cost allocations will use current, not projected, groundwater use numbers to provide an incentive to switch to in-lieu sources.

The recommended cost allocation, current groundwater pumping, and projected groundwater pumping, are identified below.

GSA	Total Pumping Projected, 2040 (AFY)	Current Pumping (AFY) <i>Historical Calibration Water Year 2014</i>	Cost Allocation
CDWA	9,611	23,402	\$10,277
CSJWCD	138,809	133,362	\$11,569
Eastside SJ GSA	63,500	58,983	\$18,227
LCSD	1,153	702	\$10,197
LCWD	485	795	\$10,206
Lodi	14,520	15,973	\$11,031
Manteca	18,985	13,546	\$11,149
NSJWCD	146,158	132,020	\$11,812
OID	39,952	35,379	\$10,565
SDWA	4,532	2,496	\$10,298
SEWD	165,025	165,243	\$12,229
SJC #1	74,448	73,648	\$11,076
SJC #2	8,183	3,741	\$10,741
SSJ GSA	60,031	57,938	\$11,206
Stockton	23,035	20,092	\$13,850
WID	31,238	38,334	\$10,566
Total GSA Contribution	799,665	775,653	\$185,000
Zone 2			\$112,500
Zone 2 Monitoring In-Kind			\$57,500
GSA In-Kind			\$27,500
Total Budget			\$382,500

A full spreadsheet with the various allocation methodologies reviewed is attached. As expenses are incurred the JPA will bill GSAs rather than a one-time invoice for the full amount. This will also allow for adjusting costs assignments should the DWR Proposition 68 Grant be received by the GWA.

RECOMMENDATION

The Ad-Hoc Committee recommendation is that costs are distributed through a mix of cost allocation principles. It is proposed that monitoring, DMS and reporting will largely be paid for by the County Zone 2 funds (with the exception of Eastside GSA which is not covered by the Zone 2 area) with GSAs completing their own monitoring and reporting through in-kind services. Administration of the GWA, outreach and website updates are proposed to be evenly distributed among the 16 GSAs. The model update element (run through 2019) is proposed to be shared through a formula of 50% of the total distributed based on population of GSAs and 50% of the total distributed based on future groundwater pumping.

BOARD RECOMMENDATION

Individual GSA Boards to consider in December/Early January. ESJ GWA Board to consider for approval January 8, 2020.

ATTACHMENT
II.A.4b

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

RESOLUTION R-20-___

**RESOLUTION AMENDING THE FISCAL YEAR 2019-2020 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 provide 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, an amendment to the Fiscal Year 2019-2020 Authority budget is necessary to begin implementing the GSP and cover costs not identified in the original FY 2018-19 budget which was adopted to develop the GSP; and

WHEREAS, the Authority Board of Directors created an Ad Hoc committee to examine costs to be incurred by the Authority after adoption of the GSP, consider a methodology to apply those costs to the Members, and make a recommendation to the Authority Board of Directors; and

WHEREAS, at the December 11, 2019 and January 8, 2020 Authority Board of Directors Meeting, the Ad Hoc committee budget recommendation and cost allocation, attached hereto as Exhibit "A", was presented to the Board of Directors for consideration; and

WHEREAS, if the budget amendment and cost allocation is approved, the Secretary of the Authority will invoice each of the Member agencies and each Member shall pay the invoice within ninety (90) days of receiving the invoice from the Secretary.

NOW, THEREFORE, BE IT RESOLVED the Authority Board of Directors adopts the Fiscal Year 2019-2020 budget amendment and cost allocation, identified as column **XX** in Table 2, both of which are found in the attached Exhibit "A" and directs the Secretary of the Authority to invoice each of the Members in accordance with the cost allocation.

PASSED AND ADOPTED this 8th day of January, 2020, by the following vote of the Board of Directors of the Eastern San Joaquin Groundwater Authority, to wit:

AYES:

NOES:

ABSENT:

ATTEST: KRIS BALAJI
Secretary of the
Eastern San Joaquin
Groundwater Authority

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

EXHIBIT A

FISCAL YEAR 2019-2020 BUDGET AMENDMENT AND COST ALLOCATION

Table 1 - GWA 6-Month Costs

A.	Monitoring and Reporting (1)	Cost Estimate
1.	Level Monitoring	\$ 61,250
2.	Quality Monitoring	\$ 26,250
3.	Annual Reporting	\$ 75,000
4.	Data Management System Updates	\$ 35,000
	Total	\$ 197,500

Equal Share Cost Split		
B.	Public Outreach and Website Maintenance	
1.	Mailing List Maintenance	\$ 5,000
2.	Newsletter	\$ 15,000
3.	Public Meetings	\$ 5,000
4.	Maintain Website	\$ 10,000
C.	Analysis	
1.	Mokelumne River Loss Study Project	\$ -
3.	Additional Wells if needed	\$ -
4.	Review of water quality data	\$ -
D.	Administrative Tasks	\$ 135,000
1.	Legal Services	
2.	Professional Services (County staff)	
a.	Grant management/Grant Pursuit	
b.	Interbasin/Interagency Coordination	
c.	Budgeting/Accounting	
d.	Project Development Support to GSAs	
e.	GWA Meetings/Coordination	
E.	Grant Writing	
1.	Basin-wide Planning	\$ -
2.	Project Specific Implementation	\$ -
	Subtotal	\$ 170,000
	Water Use/Population Split	
F.	Model Refinements	\$ 15,000
G.	5-year Evaluation Reports	\$ -
	Subtotal	\$ 15,000
	Total Annual Budget	\$ 382,500

Table 2 - Cost Allocation with 50/50 Split for Modeling, Even Split Items and Eastside Adjustment

1	2	3	4	5	6	7	8	9	10	11	12	13
GSA	Total Pumping-Projected (AFY)	Total Acreage	Developed Acreage	Population (2017)	50% Cost Allocation for Model Refinements (Population)	50% Cost Allocation for Model Refinements (Pumping)	50% Cost Allocation for 5-YR Update (pumping)	50% Cost Allocation for 5-YR Update (population)	Cost Allocation per GSA (pumping&pop) (6+7+8+9)	Cost Allocation for Even Split Items	EastSide GSA Non-Zone 2 Adjustment	Cost Allocation 50/50, Even Split, Eastside Adj (12+13+14+15)
CDWA	9,611	52,394	41,439	1,629	\$ 20	\$ 90	\$ -	\$ -	\$ 110.52	\$ 10,625.00	\$ (458.33)	\$ 10,277
CSJWCD	138,809	72,973	62,944	8,047	\$ 101	\$ 1,302	\$ -	\$ -	\$ 1,402.56	\$ 10,625.00	\$ (458.33)	\$ 11,569
Eastside SJ GSA	63,500	126,689	22,155	10,498	\$ 131	\$ 596	\$ -	\$ -	\$ 726.90	\$ 10,625.00	\$ 6,875.00	\$ 18,227
LCS D	1,153	923	469	1,558	\$ 19	\$ 11	\$ -	\$ -	\$ 30.31	\$ 10,625.00	\$ (458.33)	\$ 10,197
LCWD	485	650	650	2819	\$ 35	\$ 5	\$ -	\$ -	\$ 39.82	\$ 10,625.00	\$ (458.33)	\$ 10,206
Lodi	14,520	9,167	8,981	58,174	\$ 728	\$ 136	\$ -	\$ -	\$ 864.00	\$ 10,625.00	\$ (458.33)	\$ 11,031
Manteca	18,985	13,596	13,378	64,279	\$ 804	\$ 178	\$ -	\$ -	\$ 982.26	\$ 10,625.00	\$ (458.33)	\$ 11,149
NSJWCD	146,158	148,885	70,472	21,977	\$ 275	\$ 1,371	\$ -	\$ -	\$ 1,645.76	\$ 10,625.00	\$ (458.33)	\$ 11,812
OID	39,952	31,785	23,524	1,890	\$ 24	\$ 375	\$ -	\$ -	\$ 398.35	\$ 10,625.00	\$ (458.33)	\$ 10,565
SDWA	4,532	18,062	16,167	7,136	\$ 89	\$ 43	\$ -	\$ -	\$ 131.78	\$ 10,625.00	\$ (458.33)	\$ 10,298
SEWD	165,025	99,816	72,708	41,134	\$ 515	\$ 1,548	\$ -	\$ -	\$ 2,062.39	\$ 10,625.00	\$ (458.33)	\$ 12,229
SJC #1	74,448	49,714	43,016	16,859	\$ 211	\$ 698	\$ -	\$ -	\$ 909.17	\$ 10,625.00	\$ (458.33)	\$ 11,076
SJC #2	8,183	6,713	6,645	39,779	\$ 498	\$ 77	\$ -	\$ -	\$ 574.43	\$ 10,625.00	\$ (458.33)	\$ 10,741
SSJ GSA	60,031	63,270	59,054	38,080	\$ 476	\$ 563	\$ -	\$ -	\$ 1,039.45	\$ 10,625.00	\$ (458.33)	\$ 11,206
Stockton	23,035	40,007	39,408	277,120	\$ 3,467	\$ 216	\$ -	\$ -	\$ 3,683.12	\$ 10,625.00	\$ (458.33)	\$ 13,850
WID GSA	31,238	30,378	26,419	8,488	\$ 106	\$ 293	\$ -	\$ -	\$ 399.17	\$ 10,625.00	\$ (458.33)	\$ 10,566
Total	799,665	765,022	507,429	599,467	\$ 7,500	\$ 7,500	\$ -	\$ -	\$ 15,000	\$ 170,000	\$ 0	\$ 185,000
Eastside percent adjustment for out of County non Zone 2A. As one of 16 GSA Partners, 6.67% of \$110K for A.3. Annual Reporting and A.4 Data Management										Zone 2		\$ 112,500
Note Eastside SJ GSA is outside of San Joaquin County and cannot derive benefits from Zone 2A Assessments										Zone 2 Monit		\$ 57,500
										GSA In-Kind		\$ 27,500
												\$ 382,500