



EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors Meeting

AGENDA

Wednesday, June 13, 2018

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

A. Discussion/Action Items:

1. Approval of Minutes of May 9, 2018 (See Attached)
2. Presentation by RD38 Staten Island
3. Roadmap Update and Project Schedule
4. Outreach & Stakeholder Committee Update (See Attached)
5. GSP Update
6. Discussion and Possible Action to Adopt Fiscal Year 2018-2019 Eastern San Joaquin Groundwater Authority Budget (See Attached)
7. Data Management System (DMS)
8. Update from the Department of Water Resources
9. Schedule Recap

B. Informational Items (see attached):

1. May 21, 2018, suscon.org, "Understanding the 2018 Water Bonds"
2. May 22, 2018, ppic.org, "Expanding Groundwater in San Joaquin Valley Cities"
3. June 5, 2018, sfchronicle, "Overpumping of Central Valley Groundwater Has Side Effect: Too Much Arsenic"

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors Meeting

AGENDA

(Continued)

(Continued on next page)

- III. **Public Comment (non-agendized items)**
- IV. **Directors' Comments**
- V. **Future Agenda Items**
- VI. **Adjournment**

Next Regular Meeting

July 11, 2018 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
May 9, 2018

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

The Eastern San Joaquin Groundwater Authority (GWA) Board meeting was convened by Chair Chuck Winn at 11:04 a.m., on May 9, 2018, at the Robert J. Cabral Agricultural Center, 2101 E. Earhart Ave. Stockton, CA. Following the Pledge of Allegiance, the required safety information was provided.

In attendance were Chair Chuck Winn, Vice-Chair Mel Panizza, Secretary Kris Balaji; Directors John Freeman, George Biagi, Jr., Stephen Salvatore, Alan Nakanishi, Rich Silverman, David Fletcher, Mike Henry, Eric Thorburn, John Herrick; and Alternate Directors Mel Lytle, Walter Ward, Joe Valente, and Doug Heberle.

II. SCHEDULED ITEMS

A. Discussion/Action Items:

1. Approval of Minutes of April 11, 2018

Ms. Mary Elizabeth, member of the public, commented on the notes and presentation from the April 11 meeting, indicating that on Slide 34, groundwater elevation is currently showing as very high and should be changed to reflect that we are looking to increase groundwater level in the basin over time, not decrease it as shown on the slide.

Motion:

Minutes were unanimously approved. (Ward/Panizza)

2. Roadmap Update and Project Schedule

Ms. Christy Kennedy, Senior Project Manager of Woodard & Curran, reviewed the Roadmap Update and Project Schedule. She highlighted topics to be discussed today and in the near future, and stated that we are on schedule. She stated that the GWA Advisory Committee had an in depth discussion about the model.

3. Outreach Update – Report Out on Stakeholder Committee Formation Process Extension

Ms. Kennedy presented information on how stakeholders can get involved and stay informed about the GSP process. She gave an update on the extension of the deadline for the formation of the Stakeholder Committee. She stated there are four basic elements for an interested party to get involved in the process: 1) Apply to participate on the Stakeholder Committee; 2) Attend Stakeholder Committee meeting; 3) Participate in Public meeting; and, 4) Attend GWA Board/Advisory Committee meetings. She also highlighted various ways for interested parties to stay informed. The stakeholder application deadline was extended to May 11 and the application is up on website at www.esjgroundwater.org. She identified who has submitted Stakeholder Committee applications to date and reviewed the selection criteria.

Ms. Elizabeth of the Sierra Club, Delta-Sierra Group Mother Lode Chapter indicated that there were two listings on the list of 100 NGOs for the Sierra Club but no one in the Sierra Club saw an email come out. She noted there should be a phone follow-up to make sure the emails were received.

4. Discussion and Possible Action to Authorize the Consultants to Use the Model for Development of the Current and Future Water Budgets in Support of the Groundwater Sustainability Plan (GSP) Development

Mr. Ali Taghavi presented the model update and Historical Water Budget. Following the presentation there was some brief question and answers regarding how grid level information is generated; future uses of the model; and impacts of drip versus furrow irrigation to the groundwater basin.

The floor was opened to public comments, and Ms. Elizabeth indicated that Slide 21 shows eight reporting areas and asked if these areas could possibly become Management Areas. She further asked why the model doesn't show 17 subregions to represent each GSA. Indicating Slide 24, Ms. Elizabeth asked how many wells in the Eastern San Joaquin Subbasin are at the 800-foot level. Referring to Slide 28, she indicated that water demands should be based on GSAs. She stated that given there are no changes in those GSA boundaries and that it will be the GSAs to implement the plan, GSAs will need to have that level of data. She indicated that she believed the Central Valley Regional Water Quality Control Board has farm discharge regulations and some entities have joined together to get a group permit.

Motion:

Chair Winn ask for a motion based on the recommendation of the Advisory Group. Director Fletcher moved, and Director Silverman seconded the approval of the use of the groundwater model in support of the development of the GSP, which include efforts to verify calibration with specific water agencies that have been identified. Unanimously approved.

5. Discussion and Possible Action to Appoint Basin Coordinator for Department of Water Resources (DWR) Technical Support Services

Ms. Kennedy gave an update of the Technical Support Services (TSS) funding opportunity from DWR, indicating that the draft general application is now out. She stated we are required to designate a Basin Coordinator to be the point of contact for DWR for the TSS. She stated that once the general application is submitted, specific applications, such as for monitoring wells, will follow. As part of the TSS process, input from the Advisory Committee will be obtained to develop priority projects, and to list most challenging technical needs of the basin. The Advisory Committee has made the recommendation to designate Mr. Brandon Nakagawa, San Joaquin County Water Resources Coordinator, as the Basin Coordinator for the TSS.

Motion:

Director Henry moved, and Director Silverman seconded, the approval of the Advisory Committee's recommendation to designate Mr. Nakagawa as the Basin Coordinator. Unanimously approved.

6. Update from the Department of Water Resources

Mr. Paul Wells of DWR gave an update of DWR items including the TSS application and the GSP Grant Agreement. He noted that the grant application approval letters went out on May 7, 2018. If there are any changes to the budget or schedule, there is a 45-day window to submit changes to DWR. He indicated that work may be approved but actual plan review is a separate analysis. He further noted that the final filing deadline for Basin Boundary Modification is June 30, 2018. In regard to setting Minimum Thresholds and Measurable Objectives, a locally driven definition is important to set a baseline, and DWR can provide presentations on these or related topics upon request. He also pointed out the informational item regarding SGMA Data Viewer and encouraged everyone to utilize it.

7. Lathrop Basin Boundary Modification

As a follow-up to the discussion held at the last meeting on the City of Lathrop Basin Boundary Modification request, Mr. Nakagawa presented data from the new model of draft groundwater budget for the City of Lathrop and its comparison to the Eastern San Joaquin subbasin. He reiterated that staff is not recommending that the Board take action on the Lathrop Basin Boundary Modification instead leaving it to individual GSA.

B. Informational Items:

1. **April 27, 2018, Letter from Ms. Mary Elizabeth, Sierra Club, Delta-Sierra Group Mother Lode Chapter, "Use of Zone 2 Money to Fund California Water Service's Groundwater Basin Authority JPA Assessment for the San Joaquin County Groundwater Sustainability Agency #2"**
2. **April 27, 2018, State of California, Department of Water Resources, "SGMA Data Viewer"**
3. **May 1, 2018, Newsdeeply, "To Manage California's Groundwater, Think More About Surface Water"**

III. Public Comment (non-agendized items):

Ms. Elizabeth indicated that a lot of information is coming out in a very short period of time and urged the Board to make it a goal to give everyone a week to review materials especially since adopting technical advisory norms that include written comment submittal. She indicated, regarding the website update, that at the last meeting, the public was informed that the application had gone out to stakeholders and that it would be put on the website. Two sets of notices went out, on the 8th and the 20th, with two separate due dates for participation. She stated that and as of May the application was not linked to the website, so it was not readily available. With a new due date for these applications, Ms. Elizabeth encouraged the consultant to consider adding people to the Stakeholder Committee after May 11th if they are interested. More time is needed for people to look at the material and to make sure everyone has been contacted.

IV. Directors' Comments: None

V. Future Agenda Items: None

VI. Adjournment: The meeting was closed at 12:04 am.

Next Regular Meeting: June 13, 2018 at 11:00 a.m.

San Joaquin County - Robert J. Cabral Agricultural Center, 2101 E. Earhart Ave., Assembly Rm. #1, Stockton, CA.



MEMBER SIGN-IN SHEET

Location: SJ COUNTY ROBERT J. CABRAL AG CENTER Date: 5/9/18 Time: 11:00 AM

INITIAL	Member's Name	GSA	Phone	Email
	John Freeman	Cal Water Member	209-547-7900	jfreeman@calwater.com
	Steve Cavallini	Cal Water Alternate	209-464-8311	scavallini@calwater.com
	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
	Stephen Salvatore	City of Lathrop Member	209-941-7430	ssalvatore@ci.lathrop.ca.us
	Greg Gibson	City of Lathrop Alternate	209-941-7430	ggibson@ci.lathrop.ca.us
	Alan Nakanishi	City of Lodi Member	209-333-6702	anakanishi@lodi.gov
	Charlie Swimley	City of Lodi Alternate	209-333-6706	cswimley@lodi.gov
	Rich Silverman	City of Manteca Member	209-456-8017	rsilverman@ci.manteca.ca.us
	Mark Houghton	City of Manteca Alternate	209-456-8416	mhoughton@ci.manteca.ca.us
	Elbert Holman	City of Stockton Member	209-937-8244	hoytir63@yahoo.com
	Mel Lytle	City of Stockton Alternate	209-937-5614	mel.lytle@stocktonca.gov

INITIAL	Member's Name	GSA	Phone	Email
	Russ Thomas	Eastside San Joaquin GSA Member	209-480-8968	rthomasccd@hotmail.com
<i>WW</i>	Walter Ward	Eastside San Joaquin GSA Alternate	209-525-6710	wward@envres.org
<i>DF</i>	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
<i>mh</i>	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
<i>ES</i>	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
<i>JV</i>	Joe Valente	North San Joaquin Water Conservation District Alternate	209-334-4786	jvalente@softcom.net
<i>ET</i>	Eric Thorburn, P.E.	Oakdale Irrigation District Member	209-840-5525	ethorburn@oakdaleirrigation.com
	Emily Sheldon	Oakdale Irrigation District Alternate	209-840-5509	esheldon@oakdaleirrigation.com
<i>W</i>	Chuck Winn	San Joaquin County Member	209-953-1160	cwinn@sigov.org
	Kathy Miller	San Joaquin County Alternate	209-953-1161	kmiller@sigov.org
<i>JH</i>	John Herrick, Esq.	South Delta Water Agency Member	209-956-0150	jherrlaw@aol.com
	Jerry Robinson	South Delta Water Agency Alternate	209-471-4025	N/A
	Dale Kuil	South San Joaquin GSA Member	209-670-5829	dkuil@ssjid.com
	Robert Holmes	South San Joaquin GSA Alternate	209-484-7678	rholmes@ssjid.com
<i>MP</i>	Melvin Panizza	Stockton East Water District Member	209-948-0333	melpanizza@aol.com
	Andrew Watkins	Stockton East Water District Alternate	209-948-0333	watkins.andrew@verizon.net
	Anders Christensen	Woodbridge Irrigation District Member	209-625-8438	widirrigation@gmail.com
<i>DA</i>	Doug Heberle	Woodbridge Irrigation District Alternate	209-625-8438	heberlewid@gmail.com

Eastern San Joaquin Groundwater Authority Staff & Support

INITIAL	Member's Name	Organization	Phone	Email
<i>KB</i>	Kris Balaji	San Joaquin County	468-3100	kbalani@sigov.org
	Fritz Buchman	San Joaquin County	468-3034	fbuchman@sigov.org
<i>BN</i>	Brandon Nakagawa	San Joaquin County	468-3089	bnakagawa@sigov.org
<i>MC</i>	Mike Callahan	San Joaquin County	468-9360	mcallahan@sigov.org
	Lynn Hoffman	San Joaquin County	468-3531	mlhoffman@sigov.org
<i>KV</i>	Kelly Villalpando	San Joaquin County	468-3073	krvillalpando@sigov.org
<i>DB</i>	Danielle Barney	San Joaquin County	468-3089	dbarney@sigov.org
<i>CL</i>	Carolyn Lott	Carlton Consulting / Facilitator	402-2024	carolynlott@sbcglobal.net
<i>RA</i>	Rod Attebery	Neumiller & Beardslee / Legal Counsel	948-8200	rattebery@neumiller.com



OTHER INTERESTED PARTIES - SIGN-IN SHEET

Location: SJ COUNTY ROBERT J. CABRAL AG CENTER Date: 5/9/18 Time: 11:00 AM

INITIAL	Member's Name	Organization	Phone	Email
CSK	Christy Kennedy	Woodard & Curran	415-321-3409	cskennedy@woodardcurran.com
GS	Grace Su	ESMUD		
AT	Ali Taghani	Woodard & Curran	916-999-8760	ataghani@woodardcurran.com
PW	Paul Wells	DWR	916-376-9656	paul.wells@water.ca.gov
JT	Jane Wagner-Tyack	League of Women Voters of SJ County	209-642-5105	JaneTyack@mac.com
ME	Mary Elizabeth	Sierra Club		elizabeth@marric.us
EM	Elba Mijango	City of Manteca		
B.D.	BRET DAHLEN	CALIFORNIA WATER SERVICE	209-464-8311	bdahlen@calwater.com
DM	DENNIS MILLS	CALAVARAS COUNTY		
MW	MARK WILLIAMSON	CAI	916/631-4559	
AL	Aaron Lewis	EKI Environment & Water, Inc	970 471 6295	alewis@ekiconsult.com
CS	Charne Swirzley	Lodi		
JP	Yolanda Park	Catholic Charities		ypark@ccstockton.org
CL	Cathy Lee	Stockton East Stockton East		

ATTACHMENT II
A.4.

Villalpando, Kelly

From: Nakagawa, Brandon
Sent: Thursday, June 07, 2018 8:51 AM
To: Villalpando, Kelly
Subject: FW: Welcome to the Eastern San Joaquin Groundwater Authority's Stakeholder Committee - First Meeting June 12
Attachments: ESJ Stakeholder Committee Agenda June 12 FINAL.docx; Stakeholder Committee Roster FINAL.docx

Brandon Nakagawa, P.E.
Water Resources Coordinator
San Joaquin County Department of Public Works
(209) 468-3089
(209) 468-2999 fax

From: Sheri Madsen [mailto:sheri@crockercrocker.com]
Sent: Friday, June 01, 2018 6:47 PM
To: sheri@crockercrocker.com
Cc: blancapaloma@msn.com; goldrushdean@yahoo.com; kensvogel@yahoo.com; twells@tfewines.com; wprice@pacific.edu; ypark@ccstockton.org; daryllpq@gmail.com; Linda Turkatte [EH] <LTurkatte@sjgov.org>; mebeth@outlook.com; barbara@restorethedelta.org; Dfries.audubon@gmail.com; gvhlaw@gmail.com; Hildfarm@gmail.com; jennifer@mccv.org; jgiordano@thewinegroup.com; ryan.mock@simplot.com; Mooovers@aol.com; ara@sequoiaforestkeeper.org; michael.machado@ymail.com; colin@ejcw.org; mike@springcreekcc.com; machadofamilyfarms@gmail.com; Christy Kennedy <cskennedy@woodardcurran.com>; awatson@woodardcurran.com; Lucy Eidam Crocker <Lucy@crockercrocker.com>; Lindsay Martien <LMartien@woodardcurran.com>; Nakagawa, Brandon <bnakagawa@sjgov.org>
Subject: Welcome to the Eastern San Joaquin Groundwater Authority's Stakeholder Committee - First Meeting June 12



We want to officially welcome you as a member of the Eastern San Joaquin Groundwater Authority's Stakeholder Committee. We appreciate your participation and input as we develop the Groundwater Sustainability Plan (GSP) for the Eastern San Joaquin groundwater subbasin in accordance with the Sustainable Groundwater Management Act (SGMA).

The Stakeholder Committee is a diverse group representing the region's broad interests, perspectives and geography. Committee members will work together to provide input and feedback on the GSP through regular meetings on an approximate monthly basis held throughout GSP development. Agendas and meeting materials will be posted to the website for public review.

We hope that you can join our kick-off on Tuesday, June 12, from 4:30 to 6 p.m. We will meet monthly until the plan's anticipated completion in late summer 2019. We look forward to your input to help determine the best time to meet regularly after this initial meeting.

FIRST MEETING

DATE Tuesday, June 12, 2018
TIME 4:30 p.m. to 6 p.m.

**LOCATION Robert J. Cabral Agricultural Center, 2101 E. Earhart Ave., Stockton,
Calavaras Room**

Please coordinate with me or Lucy Eidam Crocker at Crocker & Crocker if you have questions about the committee or anything else related to stakeholder or public engagement.

We can be reached at Sheri@crockercrocker.com or Lucy@crockercrocker.com or (916) 491-3161.
Thank you so much.

We look forward to our working with you! Welcome aboard!

Sheri Madsen | Crocker & Crocker

c: 916-600-8157 | o: 916-491-3161

sherimadsen@crockercrocker.com





Eastern San Joaquin Groundwater Authority Stakeholder Committee

June 12, 2018

4:30- 6 p.m.

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

Agenda

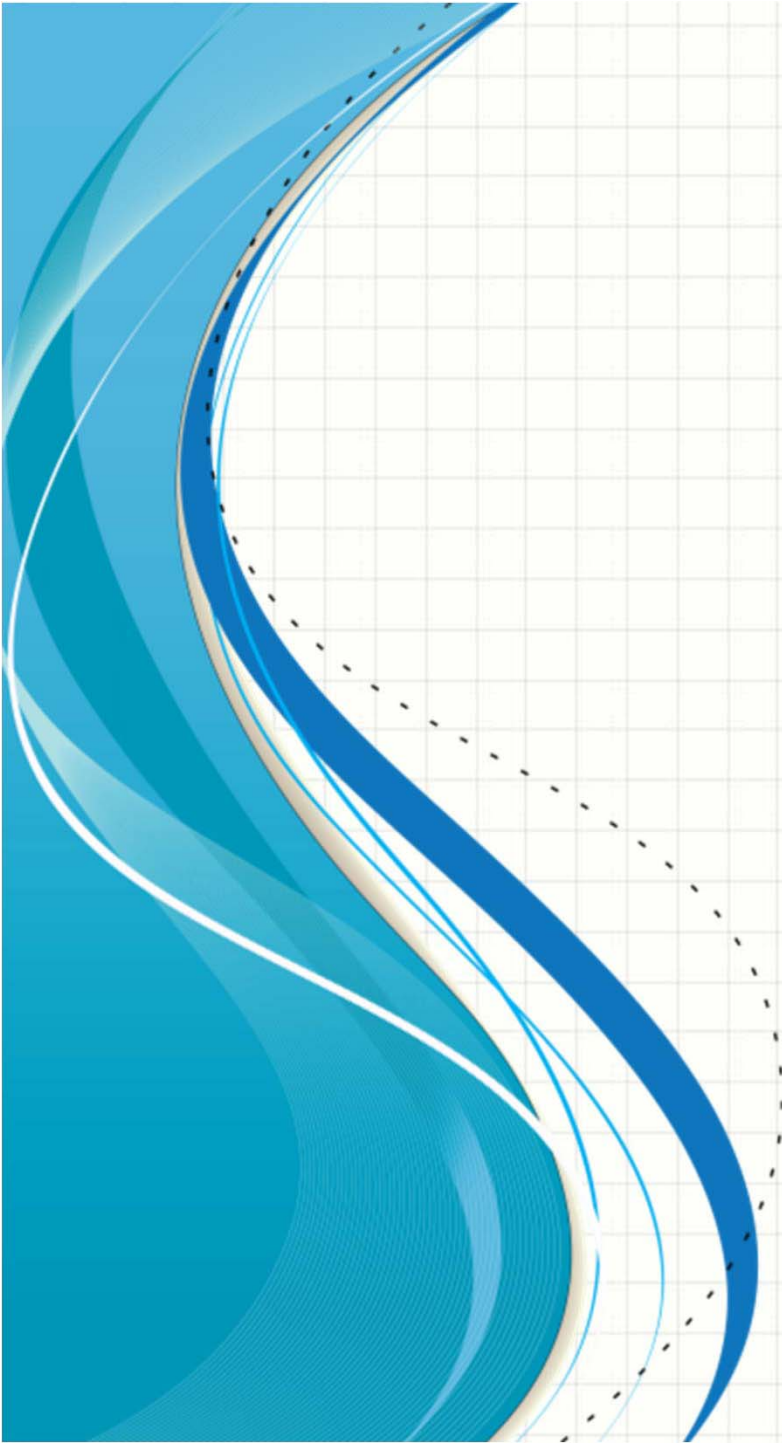
- I. Welcome & Member Self-Introductions
- II. Review of Stakeholder Committee Structure and Role
- III. Identify Member Resources
- IV. Establish Reoccurring Meeting Date/Time
- V. Program Overview and Background
- VI. Review and Agree to Stakeholder Committee Charter
- VII. Stakeholder Outreach and Engagement Plan
- VIII. Open Discussion around Outreach Goals and Concerns
- IX. Discuss Initial Public Meeting in July
 - a. Recommended locations, time, day of week
- X. Additional Resources
 - a. Tool Kit
 - b. Other outreach materials
 - c. Questions for DWR
- XI. Next Month's Topics
 - a. Non-Agenda Items



Stakeholder Committee Roster

Name	Organization	Contact Information
Colin Bailey	The Environmental Justice Coalition for Water	Colin@ejcw.org
Barbara Barrigan-Parrilla	Restore the Delta	barbara@Restorethedelta.org
Drew Cheney	Machado Family Farms	machadofamilyfarms@gmail.com
Robert Dean	Calaveras County Resource Conservation District	goldrushdean@yahoo.com
Mary Elizabeth	Sierra Club	mebeth@outlook.com
David Fries	San Joaquin Audubon	Dfries.audubon@gmail.com
Joey Giordano	The Wine Group	jgiordano@thewinegroup.com
Jack Hamm	Lima Ranch	Moovers@aol.com
Mary Hildebrand	South Delta Water Agency	Hildfarm@gmail.com
George V. Hartmann	The Hartmann Law Firm	gvhlaw@gmail.com
Michael Machado	Farmer	michael.machado@ymail.com
Ara Marderosian	Sequoia Forest Keeper	ara@sequoiaforestkeeper.org
Ryan Mock	J.R. Simplot Company	ryan.mock@simplot.com
Yolanda Park	Catholic Charities of the Diocese of Stockton	ypark@ccstockton.org
Will Price	University of the Pacific	wprice@pacific.edu
Daryll Quaresma	2Q Farming, Inc.	daryllpq@gmail.com
Jennifer Shipman	Manufacturers Council of the Central Valley	jennifer@mccv.org
Chris Shutes	California Sportfishing Protection Alliance	blancapaloma@msn.com
Michael F. Stieler	CGCS, Spring Creek Golf & Country Club	mike@springcreekcc.com
Linda Turkatte	San Joaquin County Environmental Health Department	LTurkatte@sjcehd.com
Ken Vogel	San Joaquin Farm Bureau Federation	kensvogel@yahoo.com
Ted Wells	Trinchero Family Estates and Sutter Home Winery	twells@tfwines.com
STAFF AND CONSULTANTS		
Brandon Nakagawa	County GSA Project Representative	bnakagawa@sjgov.org
Alyson Watson	ESJ GSP Project Manager	awatson@woodardcurran.com
Christy Kennedy	ESJ GSP Deputy Project Manager	cskennedy@woodardcurran.com
Lindsay Martien	ESJ GSP Consultant	LMartien@woodardcurran.com
Lucy Eidam Crocker	Stakeholder Engagement & Public Outreach Consultant	lucy@crockercrocker.com
Sheri Madsen	Stakeholder Engagement & Public Outreach Consultant	sheri@crockercrocker.com

ATTACHMENT II
A.6.



Proposed Budget for Fiscal Year 2018-2019

June 13, 2018

Eastern San Joaquin
Groundwater Authority

Revenues to Date – June 2018

GSA/Item Description	Amount Received 2017-2018	Future Budgeted Contributions*
Cal Water	\$ 5,000	\$ 11,664
Eastside GSA	\$ 5,000	\$ 39,789
CDWA	\$ 5,000	\$ 11,664
CSJWCD	\$ 5,000	\$ 11,664
City of Lathrop	\$ 5,000	\$ 11,664
City of Lodi	\$ 5,000	\$ 11,664
City of Manteca	\$ 5,000	\$ 11,664
City of Stockton	\$ 5,000	\$ 11,664
Linden	\$ 5,000	\$ 11,664
Lockeford	\$ 5,000	\$ 11,664
OID	\$ 5,000	\$ 11,664
SDWA	\$ 5,000	\$ 11,664
SSJ GSA	\$ 5,000	\$ 11,664
WID	\$ 5,000	\$ 11,664
NSJWCD	\$ 5,000	\$ 11,664
SEWD	\$ 5,000	\$ 11,664
SJC	\$ 5,000	\$ 11,664
Zone #2/GSP	\$ 450,000	\$ -
Zone #2/Operating Expenses	\$ 35,000	\$ -
Total	\$ 570,000	\$ 226,413

* Payable in two installments (July 1, 2018 and July 1, 2019)

Expenditures To Date

Item Description	Amount Paid
Neumiller & Beardslee #286371 (Jun.), #287142 (Jul.), and #287824 (Aug.)	\$ 20,014.09
Room Rental-GWA (Aug.)	\$ 178.00
GEI Grant Application #3025273 (Aug.) #3023377 (Sept.)	\$ 28,936.25
Room Rental-GWA (Sept.)	\$ 138.00
Postage Expense (Oct.)	\$ 191.65
GEI Grant Application (Oct.)	\$ 6,046.50
Room Rental-GWA (Oct.) (Nov.)	\$ 356.00
Neumiller & Beardslee #289515 (Nov.)	\$ 1,425.00
Postage Expense (Nov.)	\$ 143.98
Neumiller & Beardslee #288810 (Nov.)	\$ 1,291.50
Postage Expense (Dec)	\$ 167.20
Neumiller & Beardslee #290198 (Dec.)	\$ 525.00
Office Depot-Meeting Supplies (Jan.)	\$ 10.79
Postage Expense (Jan.)	\$ 101.23
Room Rental-GWA (Feb.)	\$ 182.00
Neumiller & Beardslee #291284 (Feb.)	\$ 550.00
Postage Expense (Feb.) (Mar.)	\$ 177.80
Neumiller & Beardslee #291974 (Mar.)	\$ 2,350.00
Woodard & Curran #150604 (Mar.)	\$ 56,504.57
Room Rental-GWA (Mar)	\$ 182.00
Postage Expense (Apr.)	\$ 144.55
Office Depot-Meeting Supplies (Apr)	\$ 32.53
Postage Expense (May)	\$ 126.92
Sub-total Total	\$ 119,775.56
Estimated Expenses through June	
Room Rental Expense (May-Jun.)	\$ 374.00
Woodard & Curran (Apr.-Jun.)	\$ 250,000.00
Postage Expense (Jun.)	\$ 250.00
Neumiller & Beardslee (Apr.-Jun.)	\$ 5,000.00
Sub-total Total	\$ 255,624.00
Grand Total Estimated Year-end Expenses 2017-18	\$ 375,399.56

Proposed Budget

Eastern San Joaquin Groundwater Authority 2018-19 Proposed Budget			
Revenue and Expenditure Detail	2017-2018 APPROVED BUDGET	2017-2018 REVENUE & EXPENDITURES ESTIMATED ACTUALS	2018-2019 PROPOSED BUDGET
FUND BALANCE - JULY 1	\$ -	\$ -	\$ 195,313
GSP Grant (DWR)	\$ 1,500,000	\$ -	\$ 1,500,000
Member GSP Contributions	\$ 226,420	\$ -	\$ 226,413
Zone No. 2 GSP Contribution	\$ 450,000	\$ 450,000	\$ -
Initial Member Dues	\$ 85,000	\$ 85,000	\$ -
Zone No. 2 Contribution to Authority Expenses	\$ 35,000	\$ 35,000	\$ -
Interest	\$ -	\$ 713	\$ -
TOTAL REVENUE	\$ 2,296,420	\$ 570,713	\$ 1,921,726
Special Office Expenses	\$ 800	\$ 43	\$ 2,500
Office Expense - Postage	\$ 1,800	\$ 1,303	\$ 3,000
Auditor's Payroll & A/P Charges	\$ 600	\$ -	\$ 600
Special Studies and Reports - GSP Application	\$ 85,000	\$ 34,983	\$ -
Authority Counsel	\$ 30,000	\$ 31,156	\$ 32,000
Professional Services - GSP Grant	\$ 2,176,420	\$ 306,505	\$ 1,869,915
Rents-Structures & Grounds	\$ 1,800	\$ 1,410	\$ 4,000
TOTAL EXPENDITURES	\$ 2,296,420	\$ 375,400	\$ 1,912,015
FUND BALANCE - JUNE 30	\$ -	\$ 195,313	\$ 9,711

DRAFT - 6/08/2018

* County staff costs to support the ESJGWA are paid for by Zone No. 2 and accounted for separately from this Budget.

ATTACHMENT II
B.1-3.



Understanding the 2018 Water Bonds

Q&A with Policy Director Stacey Sullivan

May 21, 2018



Drought continues to be a top-of-mind issue for many Californians. Fortunately, last year's historic wet winter didn't wash away the memory of our five-year drought, which ranks as the worst on record.

Because experts predict a changing climate will usher in even more frequent, intense and longer droughts, California lawmakers continue to promote measures intended to strengthen the state's water future.

On June 5th, Californians will vote on the first of two 2018 water-related bonds totaling \$13 billion.

With so much action on the water front this year, we tapped Sustainable Conservation's veteran Policy Director, Stacey Sullivan, to provide insight on the choices before Californians. Stacey also shares how this year's bonds align with Proposition 1, which passed in 2014 and whose \$7.5 billion in funds continues to be allocated for a wide range of water-related projects.

What are the basics everyone should about Proposition 68?



Sustainable Conservation Policy Director
Stacey Sullivan.

Stacey: Prop 68 – or as it's officially known, the California Parks, Environment, and Water Bond of 2018 – is up for public vote right around the corner, on **June 5th**.

Sustainable Conservation believes Prop 68 provides an admirable balance of benefits to people and the environment, and we urge folks to vote **YES**.

Prop 68 provides a total of \$4.1 billion in bond funds toward a broad range of beneficial projects, including clean drinking water, sustainable water supplies, and watershed protection

and restoration to benefit wildlife. As its name implies, though, it's about more than just water.

Funds also go to parks and the recreation and tourism sector. In fact, the largest chunk of revenue, \$725 million, would be dedicated to creating parks in park-deficient neighborhoods.

The measure also directs funding to disadvantaged communities, which often do not have access to clean or reliable water. Prop 68 would require up to 20% of funds be dedicated to projects in communities with median household incomes less than 60% of the statewide average.

[Click to see allocation of Prop 68 funds](#)

Another significant feature of Prop 68 is that it promotes projects that provide multiple benefits. Multi-benefit projects not only aim to achieve the best environmental outcome per dollar, but also highlight how integrated solutions

can benefit a variety of water users. For example, floodplain restoration can benefit fish habitat, recharge groundwater for local water supplies, and protect downstream communities from potential flood damage.

What should voters know about the Water Supply and Water Quality Act, slated for the November 6th ballot?

Stacey: The Act provides \$8.9 billion in bond funds for water-related infrastructure and projects to improve water supply and quality.

Sustainable Conservation **supports its passage in November.**

The measure provides \$640 million for implementing the historic Sustainable Groundwater Management Act passed in 2014, which requires communities throughout California, but especially in the arid but farm-rich San Joaquin Valley, to bring over-drafted groundwater basins into balance by 2040.

Out of that total, the bond will provide \$3.93 billion specifically for environmental benefits such as restoring rivers, streams and watersheds throughout the state. The Act recognizes and addresses the needs of both the environment and agriculture, as well as provides funds for projects that help bring those interests into better alignment.

This is very much in line with Sustainable Conservation's commitment to bridging the gaps between seemingly disparate interests in California.

[Click to see allocation of Water Supply & Water Quality Act of 2018 funds](#)

We think that the Act has the potential to both advance the achievement of Sustainable Conservation's program goals and make a real difference in a wide range of environmental and water-related challenges facing California.

Does California need both water bonds?

Stacey: I believe so. California needs the combined impact of these bonds to make a real difference with many of our most pressing water and environmental challenges.

We believe Prop 68 includes a number of extremely important and beneficial provisions, but we also believe that it leaves out a number of equally important

needs that the Water Supply and Water Quality Act addresses.

As the funding comparison below demonstrates, the bonds both support and complement one another. For example, while Prop 68 covers parks and recreation, which the Act does not address, the Act, unlike Prop 68, provides funding for added and/or improved water infrastructure and conveyance (though not surface water storage, for which funding was provided in Prop 1, passed by voters in 2014), which helps deliver California a clean, reliable water supply.

[Click to see a funding comparison of Prop 68 & Water Supply and Water Quality Act](#)

How do this year's water bonds align with Proposition 1?

Stacey: Voters passed Prop 1 – the Water Quality, Supply and Infrastructure Act – in 2014. It provides \$7.5 billion in new and redirected bond funds for a wide range of water-related projects.

With the recent actions of the California Water Commission to allocate \$2.7 billion that Prop 1 provided for water-storage projects, nearly 90% of the total of Prop 1 funds have been either appropriated or assigned. This year's bonds will allow many of the efforts begun with Prop 1 funds to continue. They will also provide funding for the implementation of the Sustainable Groundwater Management Act, which did not exist when Prop 1 was enacted.

Together, Prop 68 and the Water Supply & Water Quality Act of 2018 would help advance Prop 1 objectives significantly by expanding investment in California's aging water system to improve the state's water resiliency while also boosting water quality.

About Stacey Sullivan

Stacey joined Sustainable Conservation in 2013 as its first Policy Director. Prior to joining the organization, Stacey spent 12 years as a committee consultant to the California State Assembly, including eight years as Chief Consultant to the Local Government Committee. His work while with the Assembly included in-depth involvement in significant legislation and policy initiatives concerning the California Environmental Quality Act, water policy, sustainable agriculture, housing, and land use planning.

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Expanding Groundwater Recharge in San Joaquin Valley Cities

JELENA JEZDIMIROVIC MAY 22, 2018



The San Joaquin Valley is ground zero for groundwater management challenges. While agriculture is the region's predominant water user, its cities are more likely to rely on groundwater as their primary source of water. For this reason, the urban sector will need to play a bigger role in the regional effort to balance groundwater use and replenishment.

Our [recent research](#) indicates that cities in the valley lag behind agricultural districts in the intentional recharge of groundwater. That's primarily because most have limited access to two things necessary for storing more water underground: extra surface water and unpaved land on which to spread it so it can percolate into the ground. But some cities have had success with recharge activities. Here are three methods that can serve as models.

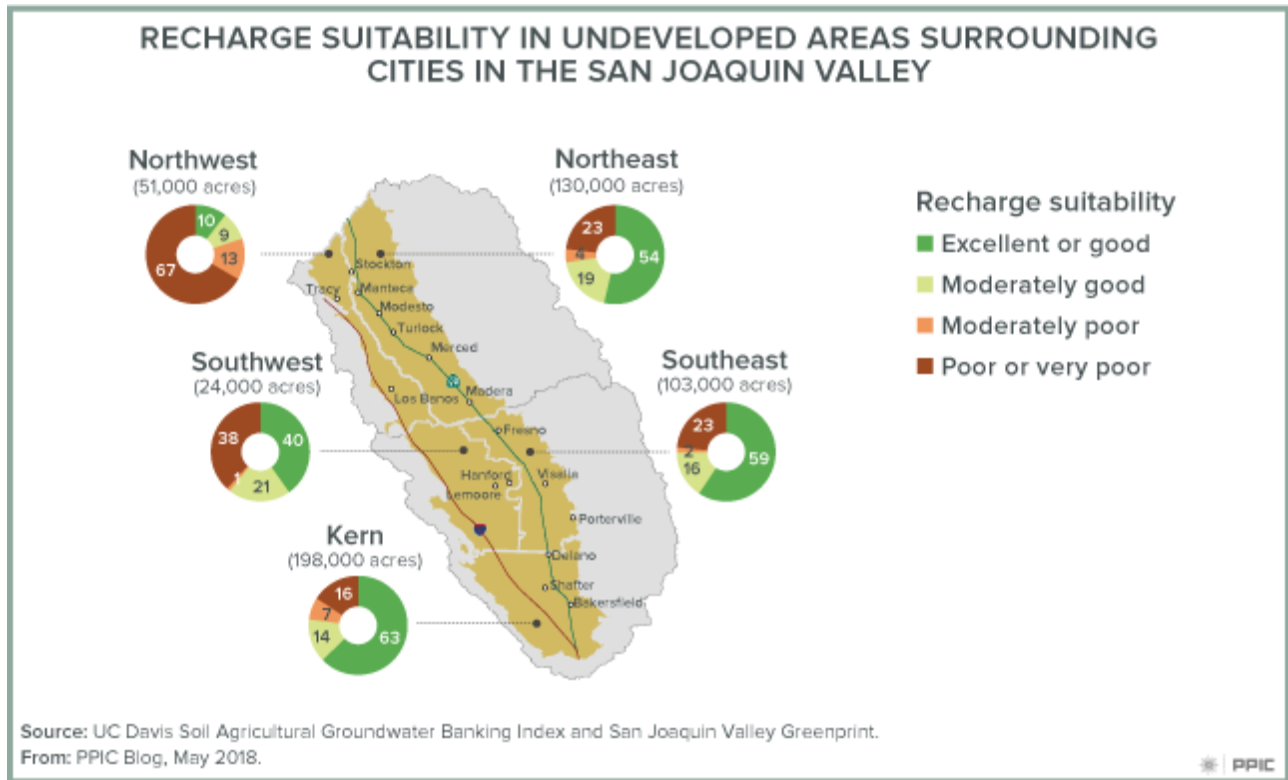
- **Partner with nearby agricultural districts.** The city of Tulare relies entirely on groundwater for its potable water supply. It has **an agreement with the Tulare Irrigation District (TID)** for purchasing surface water, which is delivered to a recharge basin that the city co-owns with TID. The basin's location allows for the recharged water to flow into the city's pumping zone, even though the basin itself is not within city boundaries. The cities of **Clovis** and **Fresno** have similar recharge partnerships with the Fresno Irrigation District.
- **Partner with off-site groundwater banks.** The **city of Tracy** relies on both surface and groundwater. In years when it doesn't use its entire surface water allocation, it stores the unused portion in one of Kern County's formal groundwater banks. Even though Tracy and the water bank are on opposite ends of the valley, a conveyance system allows for easy exchanges of water.
- **Recharge within city boundaries.** **The city of Bakersfield** has rights to Kern River water. The city uses a direct recharge basin located within city boundaries to store some of its Kern River allotment.

Some cities engage in multiple recharging strategies. For example, both Tulare and Fresno operate flood control basins to maximize recharge, and Tracy pumps surplus water directly into a nearby aquifer through an "injection well."

While these are all innovative models, most are still small-scale in terms of volumes recharged. Given the state's mandate to balance groundwater use with replenishment by 2040, urban efforts will need to be scaled up as much as possible. Expansion will require **better water accounting** and basin planning. Cities can raise funds to partner with agricultural districts and undertake recharge projects, but they will need incentives and assurances that they will have access to the stored water.

Another critical step is to map and protect undeveloped urban land that is particularly appropriate for recharge. Cities should take steps to prevent the paving over of suitable soils, and encourage recharge on open space lands not only within city boundaries but also in areas into which they are likely to grow in the future—called their "spheres of influence." As the figure below shows, suitable soils in these areas are extensive, especially in Kern and the eastern part of the valley.

It's also important to remember that cities won't be able to go it alone. In addition to partnerships with agricultural districts, broader local and regional cooperation will be critical for managing groundwater resources in the long run.



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Overpumping of Central Valley groundwater has side effect: too much arsenic

By Kurtis Alexander | June 5, 2018 | Updated: June 5, 2018 4:03pm

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Photo: Leah Millis / The Chronicle 2015

IMAGE 1 OF 2

A dust devil makes its way across hot land made white from dried minerals as a result of the natural lake-bottom buildup and evaporation process in 2015 near Kings County. The land is situated in part of the [... more](#)

The many wells that nourish the farms of the Central Valley are not only pumping so much water from the ground that [the land is sinking](#), they're creating a dangerous vacuum where arsenic can slip in, new research shows.

Scientists at Stanford University are warning if heavy groundwater pumping continues, water supplies for dozens of communities as well as billions of dollars of irrigated crops are at risk of contamination.

The findings, published Tuesday in the journal *Nature Communications*, heighten concern about water quality as California's agricultural belt faces a lingering water shortage even while much of the state has recovered from the recent drought. Both of the problems are greatest in rural parts of the southern San Joaquin Valley, often where poor, farmworker towns can least afford them.

"We've known for a long time that after a lot of pumping, you start running out of groundwater," said Ryan Smith, a doctoral candidate in geophysics at Stanford and lead author of the study. "We hadn't really thought that pumping too much water would cause water quality issues."

While arsenic is a naturally occurring element often present at low levels in groundwater, at high doses it can be toxic. Consuming too much of it, through tainted water supplies or agricultural products, has been linked to cancer, heart disease, skin lesions, and liver and kidney damage.

The Stanford researchers found a direct correlation between aquifer contamination and how much the land had sunk due to overpumping. In spots where the ground had dropped more than half an inch, the risk of water being at unsafe arsenic levels doubled or even tripled.

"It's definitely a big deal," Smith said. "This is a resource that a lot of people are relying on for their drinking water as well as their livelihoods through the economic value of the crops."

The researchers drew their conclusions by looking at arsenic concentrations at hundreds of wells over several dry years and comparing the records to satellite measurements of aquifer levels and land subsidence.

Most of the analysis was done in Fresno and Tulare counties, home to nearly 1.5 million people and two of the state's most productive agricultural regions, where the bulk of California's almonds, grapes and tomatoes are produced. But contamination because of groundwater overdraft, the researchers said, could happen almost anywhere in the Central Valley.

According to the study, the arsenic is coming from clay deposits beneath the valley floor, which have been carried there in rivers from the High Sierra over millions of years. While the element is normally locked up in the clay, excessive groundwater pumping has reduced the water pressure in the sandy aquifers around the clay, allowing the substance to escape into the groundwater.

"The little clay zones, you can think of as a sponge," said Scott Fendorf, a professor of earth science at Stanford and a co-author of the study. "Those sponges are dirty water sponges, and the water inside those clay sponges is being held in there from pressure from the outside. When you de-pressure the water outside of the sponge, the sponge lets its water out."

The result, Fendorf said, is often arsenic levels above the federal standard of 10 parts per billion. Levels in Madera County have been recorded as high as 12 times the limit.

Several communities in the San Joaquin Valley are in similar straits. Some suppliers have faced ongoing fines for arsenic levels in excess of the safety threshold, but in many cases, that's only made it harder to afford pricey fixes.

The town of Lanare (Fresno County), after years of dealing with contaminated water, went as far as raising money needed to build a treatment plant to remove arsenic. The facility, however, proved too expensive for the mostly farmworker population to pay to operate, and the plant shut down.

"There are many communities in California that are taking a risk every time they take water from the faucet," said Jenny Rempel, director of education and engagement for the Community Water Center, a Tulare County-based advocacy for clean drinking water. "Communities are unable to get the financing they need to implement solutions."

Short of getting money necessary for new infrastructure, the Stanford researchers found that aquifer contamination tends to lessen when groundwater overdraft ceases.

However, pressure to pump persists as water demands often outpace what's available from rivers and reservoirs.

"If we can get our pumping down to more reasonable levels, over time the arsenic levels go back down," Smith said. "But if we continue with an unsustainable level of pumping, we're contaminating the aquifer so that we might not be able to use it at some point."

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Reporter