

Board of Directors Meeting

AGENDA

Wednesday, March 10, 2021

10:30 a.m. – 12:00 p.m.

Teleconference Only

Call-In Information Provided

- I. Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call** (*Please remember to keep your phone line muted and unmute when announcing yourself for attendance or speaking)
- 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. Action/Discussion Items:**
 1. Approval of Minutes of January 13, 2021 (Attached)
 2. Woodard Curran Scope of Work for Model Development, Recalibration, Application and GWA Support (attached)
 3. American River Water Right Application Status Conference
 4. FY 2021-22 Budget Assumptions, Priorities and Schedule
 5. Revenue and Funding Alternatives
 6. Annual Report
 - B. Committee/Staff/DWR Report**
 1. TAC Meeting - March 4, 2021
 2. DWR Update
- III. Directors' Comments and GSA Status Reports**
 1. Central Delta Water Agency (CDWA)
 2. Central San Joaquin Water Conservation District (CSJWCD)
 3. City of Stockton
 4. City of Lodi
 5. City of Manteca
 6. City of Stockton
 7. Eastside San Joaquin GSA
 8. Linden County Water District (LCWD)
 9. Lockeford Community Services District (LCSD)
 10. North San Joaquin Water Conservation District (NSJWCD)
 11. Oakdale Irrigation District (OID)
 12. San Joaquin County #1

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

Board of Directors Meeting

AGENDA

(Continued)

13. San Joaquin County #2 (Cal Water)
14. South Delta Water Agency (SDWA)
15. South San Joaquin Irrigation District (SSJID)
16. Stockton East Water District (SEWD)
17. Woodbridge Irrigation District (WID)

- IV. **Secretary Report**
- V. **Public Comment (non-agendized items)**
- VI. **Future Agenda Items**
- VII. **Adjournment**

NOTICE: Coronavirus COVID-19

See Attached Notice Regarding COVID 19, Closure of Board Chambers to the Public During the Eastern San Joaquin Groundwater Authority Board of Directors Meeting and Teleconference Information

Next Regular Meeting

Wednesday, April 14, 2021

10:30 a.m. – 12:00 p.m.

Location TBD

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 of Directors Meeting

AGENDA

(Continued)

Important Notice Regarding COVID 19 and Closure of Board Chambers to the Public During Eastern San Joaquin Groundwater Authority Board of Directors Meetings

On March 18, 2020, Governor Gavin Newsom issued Executive Order N-29-20 recognizing that COVID 19 continues to spread throughout our community resulting in serious and ongoing economic harm. Governor Newsom has therefore waived certain requirements of the Ralph M. Brown Act relating to public participation and attendance at public meetings.

Based on guidance from the California Department of Public Health and the California Governor's Officer, *effective immediately* and while social distancing measures are imposed, Board chambers will be closed to the public during the Eastern San Joaquin Groundwater Board of Directors Meetings.

In order to minimize the spread of the COVID 19 virus, the following options are available to members of the public to listen to these meetings and provide comments to the Board of Directors before and during the meeting:

1. You are strongly encouraged to listen to the Eastern San Joaquin Groundwater Authority Board of Directors meetings by attending the teleconference:

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+1 209-645-4071 United States, Stockton

Phone Conference ID: 941 842 694#

[Find a local number](#) | [Reset PIN](#)

[Learn More](#) | [Meeting options](#)

Once connected, we request you kindly mute your phone.

2. If you wish to make a comment on a specific agenda item, please submit your comment via email by 5:00 p.m. on the Tuesday prior to the meeting. Please submit your comment to the Clerk/Secretary of the Board at kmsith@sjgov.org. Your comment will be shared with the Board members and placed into the record at the meeting. Every effort will be made to read comments received during the meeting into the record but some comments may not be read due to time limitations. Comments received after an agenda item will be made part of the record if received prior to the end of the meeting.

EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY
Board Meeting Minutes
January 13, 2021

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

The Eastern San Joaquin Groundwater Authority (GWA) Board Teleconference meeting convened and Chairman Chuck Winn called the meeting to order, via the online Microsoft Teams Meeting platform, at 10:35 a.m. on January 13, 2021. The meeting was conducted via Teleconference only.

Chairman Winn led the agenda.

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

In attendance were Chairman Chuck Winn; Vice Chairman Mel Panizza; Secretary Fritz Buchman; Directors David Breitenbucher, Dan Wright, David Fletcher, Mike Henry, Tom Flinn, Eric Thorburn, John Herrick, Robert Holmes; Alternate Directors Jeremiah Mecham, Reid Roberts, Charlie Swimley, Walter Ward.

II. SCHEDULED ITEMS

A. Action Items:

1. Approval of Minutes of October 14, 2020

Chairman Winn called for the approval of minutes of the meeting on October 14, 2020. There were no comments by the GWA Board members and no comments by the public.

Motion:

Director David Fletcher moved, and Alternate Director Charlie Swimley second, approval of the October 14, 2020 minutes. Chairman Winn asked for any opposed or abstain. With none, the motion passed unanimously.

2. Receive and Discuss November 13, 2020 TAC Meeting Notes

Mr. Matt Zidar with San Joaquin County presented the discussions of the November 13, 2020 Technical Advisory Committee (TAC). Mr. Zidar highlighted budget and accounting costs, GWA and staff roles, planning efforts during GSP development and GSA vs Basin-wide projects. Mr. Zidar solicited the TAC Members to add comments or Board Members to ask questions.

Director Mike Henry praised the efforts in pulling all the information together and questioned if it is still the intention for the Steering Committee to review TAC issues before the Board hears of them. Mr. Zidar advised that is still the overall intention, however, he was hoping to get some feedback from the Board on how the Steering Committee should prioritize the items and if there needed to be Ad-Hocs formed. Director Henry added that he would support the Steering Committee being directed to review and set up the prioritization of items that need a deeper look and report back to the Board. Both Alternate Director Charlie Swimley and Chairman Chick Winn supported and agreed with Director Henry's suggested approach. Chairman Winn added that although COVID and virtual meetings have minimized collective discussions, the group needs to acclimate to what options we have in regards to meetings and keep the ball moving and maintain the history the group has, as the Board is well positioned to move forward.

Director Henry additionally asked for clarification on the roles of both the TAC and Steering Committee. Mr. Zidar advised that the TAC, composed of engineering and Technical staff, will look at the fiscal, budgetary, etc. to support deeper procedure and policy discussions to be reported to the Steering Committee for discussion and then to the Board. Purpose is to channel the information through all groups and then present to the public. Director Henry questioned if all these groups were needed, as he is concerned that efficiencies are not hindered due to duplicate efforts. Chairman Winn added that while he does not have the technical expertise, he relies on the groups to provide him details, and he hopes that there is also communication between representatives and their individual Boards to ensure there is a firm direction on where their agency sits.

Ms. Valerie Kincaid provided a public comment, stating that she offered two thoughts in regards to the discussion. First being that the TAC should look at the allocations on water budgets from other basins to gather some examples. The second comment was that the basin will soon start to receive questions from DWR on the GSP, and the TAC needs to be prepared for those questions and be ready to work with DWR for approval.

3. Adopt a Board Resolution in Support of the NSJWCD Proposition 68 Grant for the North System Project

Matt Zidar presented the proposed Resolution R-21-XX, authorizing NSJWCD to submit an application to the Proposition 68 2020 Sustainable Groundwater Management Grant Program. There were no comments or suggestions from the Board Members.

Director Tom Flinn thanked his fellow agencies for their support.

Motion:

Director Tom Flinn moved and Director Dan Wright second, approval of the proposed Resolution R-21-XX. Chairman Winn asked for any opposed or abstain. With none, the motion passed.

Chairman Winn asked Ms. Monica Streeter from Neumiller & Beardslee, to confirm the current voting process used was okay. Ms. Streeter advised that as long as Board Members are provided the opportunity to oppose the motion, then we could proceed with a consensus vote rather than a full roll call vote.

4. Look Back at Prior Groundwater Planning Efforts

- a. Prior Efforts and Participants**
- b. Projects and Success – What merits a second glance?**

Mr. Matt Zidar reviewed the prior groundwater planning efforts with a detailed mapping slide, noting programs planned and what has come to fruition. Mr. Zidar asked for assistance from Members on legacy knowledge.

Chairman Winn asked several Board Members for their specific input on what they have seen over the years.

Alternate Director Brandon Nakagawa stated that funding availability has been a challenge. Alternate Director Nakagawa added details on the need to ensure funding is available and ready to go for projects, working with local landowners, obtaining grants and being proactive, building partnerships for joint projects and involving stakeholders in those partnerships. He additionally added that he was inspired by the discussions on the potential tax bill to allow for funds for water projects. Alternate Director Nakagawa

added that details matter and that there needs to be water budget tables and data for the technical group and attorney groups, noting that the group needs to be able to address opposition and be able to provide the public with details on projects and why they are valuable. Chairman Winn noted there were a lot of local tax measures passed and the public is willing to pass measures that benefit them.

Director Tom Flinn stated that inter-agency relationships and partnerships are very important and have come a long way, noting the ability to work with EBMUD has rendered a success.

Mr. Scot Moody with SEWD added that SEWD's biggest issue is getting landowners to understand that costs have to increase in order to provide projects. Mr. Moody noted that SEWD landowners do know that their costs are low in comparison, so there is room for internal and partnership funding. Director Flinn stated that he agreed with Mr. Moody in regards to it being difficult to get the public to understand the necessity, and that the group needs to think about how to reach the public. Director John Herrick added that success is a function of time and that all the group's projects took time and once all the initial fight was over, everyone was willing to work together. Chairman Winn added that funding is critical and need to consider multi-agency projects that benefit the basin.

Mr. Zidar noted the four areas discussed to shape objectives, money, having the water, stakeholder awareness and support, partnerships.

c. Management Concepts – How do they apply today?

Mr. Zidar continued to review the presentation slides discussing management concepts and principals, including operational storage, basin operational criteria, groundwater storage and banking, partnerships, ordinance improvements, export of water and local cost minimization.

Director Henry stated that although he does not hold the history knowledge, Lockeford is very much in support of working with others. Director Henry added that when it comes to allocating costs, Lockeford is committed to working together and being a part of the process and the solution.

Chairman Winn added that the fact that the group is here, functioning and accomplishing goals is a major accomplishment. Chairman Winn added that the key to the future is relationships and building upon that and over time become more cohesive. Chairman Winn noted that he thanked the members of the Board for what has been done and for can be done in the future.

Matt Zidar proposed to provide a document of management principals, to be run through the TAC, Steering Committee and Board and be presented to the public. Mr. Zidar added that use of a webpage to show historical documents digitally is an idea to be presented to TAC and Steering Committee. Chairman Winn agreed was a great idea and would allow to become educated of the past and become more self-aware and appreciate was has been done and what needs to be done.

5. Look Back at 2020 – Activities and Accomplishments

a. What did we do well (GWA & GSAs)

b. What could we do better (GWA & GSAs)

Mr. Matt Zidar reviewed the 2020 GWA accomplishments, including completion and adoption of the GSP, submittal of Annual Report, application and award of the Prop 68 Planning Grant and the development of cost allocation and budget. Mr. Zidar asked the Members for comments on what was done well and what could be done better. Chairman Winn noted that there is discussions at State and D.C. level regarding more water funding; therefore, we need to apprise agencies of opportunities for grant funding.

6. 2021 Outlook and Objectives for TAC

a. Opportunities

Matt Zidar reviewed the 2021 opportunities moving forward, noting State and federal Grants, project development, partnerships, and DMS implementation. Mr. Zidar advised that funding needed to be figured out in order to meet cost share figures.

b. Threats

Mr. Zidar additionally discussed the potential threats while moving forward in 2021, including attacks on filed water rights, negative review on GSP, no stable funding or failed funding initiatives and lawsuits between GSA partners.

7. Related Planning Activity

a. IRWMP

Mr. Zidar advised the Board that the IRWMP was headed to its Coordinating Committee on January 20, 2021 for adoption and then would be forwarded to the Boards.

b. Tracy Subbasin

Mr. Zidar advised the Board that the Tracy Subbasin GSP was moving along well and they would be holding Public Workshops to present the completed sections.

c. Well Drilling

Mr. Zidar provided an update on the well drilling, noting that progress was being made on the shallow well section. It was also noted that the deep well drilling on NSJWCD site was completed and the drilling on the SEWD site was beginning.

B. Staff and DWR Reports

1. GSP Annual Report

Matt Zidar advised that the item would be reviewed at the Technical Advisory Committee level and then to the Steering Committee and Board.

2. Financial / Budget Report: Expenses and Revenue

Item was not presented at the request of Matt Zidar. Item will be discussed further at the Steering Committee level.

3. Department of Conservation Watershed Coordinator Grant

Matt Zidar discussed the grant application outcome, advising that the GWA did not received the Watershed Coordinator Grant. Mr. Zidar further discussed other potential grant opportunities that could be explored.

4. DWR Update

Ms. Chelsea Spier with DWR provided her monthly update and information list. Ms. Spier noted there were no specifics on when the GSP comments would be done. Ms. Spier advised that the DWR Deputy Director left employment, but they are still on track to release GSP findings, but our basin would not be in the beginning as they are string with the less complex basins. Ms. Spier added that DWR is looking to expand staff for additional GSPs being submitted. Ms. Spier discussed grant opportunities and funding options, noting that the Implementation Grant closed last week with 15 applicants and round 2 of the IRWM Grant

would be in December of 2021. Ms. Spier advised of trainings and links available in her handout, included in agenda package.

III. Director's Comments and GSA Status Reports:

Chairman Winn requested comments from each GSA Director, in a Round Table Discussion. The comments made by Director's are listed below.

- City of Lodi** – None
- City of Manteca** – None
- City of Stockton** – None
- SDWA** – None
- SSJID** – None
- LCWD** – None
- Eastside GSA** – None
- LCSD** –None
- CSJWCD** – None
- NSJWCD** – None
- OID** – None
- SJC** – None
- SEWD** – None
- WID** – None

IV. Secretary Report:

Secretary Fritz Buchman provided a brief report regarding the County's Water Rights Applications on the American and Mokelumne Rivers. Secretary Buchman advised that there has been little progress on these applications over the years, due to inability to secure partners interested in helping to perfect the rights, and the County was recently notified by the State Water Board of a Status Conference being held in regards to American River Application number 29657. Secretary Buchman advised that he and Mr. Zidar are working with County Counsel to buy time, but the bottom line is that partners are needed in order to prevent the application from being cancelled. Secretary Buchman advised that the County will reach out again to potential partners and that anyone interested should reach out to Secretary Buchman. Secretary Buchman added that although there has been no notification regarding the Mokelumne River Water Rights, it will likely end up in the same situation unless progress is made in perfecting this right fairly soon.

V. Public Comment:

Emily Beuer with the Community Alliance of Family Farmers commented that her non-profit organization has been trying to network with farmers within the basin's GSAs regarding their abilities and/or challenges to adapt to SGMA. Ms. Beuer asked the Board what the level of discourse has been with the farming community, particularly with small-scale farmers. Matt Zidar responded by stating that the GWA operated with a stakeholder outreach plan that included public workshops and information via website. Mr. Zidar further advised that the GWA was reliant on the GSAs to make sure their communities were involved and engaged during the GSP process and adoption. Mr. Zidar noted that initial outreach was somewhat scattered and there is room for improvement in reaching the farm community. Chairman Winn advised that he regularly attends the meetings of the San Joaquin Farm Bureau and provides updates to the Bureau and their members on water issues.

VI. Future Agenda Items and Meeting Dates:

Matt Zidar requested agenda items from the Board Members and suggested that emailed items to himself are acceptable as well. No agenda items provided as this time.

A. 2021 Meeting Schedule

Matt Zidar advised the Board of and directed their attention to the proposed 2021 GWA Meeting Calendar, noting the calendar includes dates for the Technical Advisory Committee, Steering Committee and Board.

VII. Adjournment:

Chairman Winn adjourned the January 13, 2021 meeting at 12:07 p.m.

Next Regular Meeting:

Wednesday, April 14, 2021

10:30 am – 12:00 pm

Location TBD

Eastern San Joaquin Groundwater Authority Board of Directors

January 13, 2021

Roll Call

Agency Name	Director First	Director Last		Alternate First	Alternate Last
Cal Water	John	Freeman		Steven Jeremiah	Cavallini Mecham
Central Delta Water Agency	George	Biagi, Jr.		Dante	Nomellini
Central San Joaquin Water Conservation District	Grant	Thompson		Reid	Roberts
City of Lodi	Alan	Nakanishi		Charlie	Swimley
City of Manteca	David	Breitenbacher			
City of Stockton	Dan	Wright		Mel Paul	Lytle Canepa
Eastside San Joaquin GSA	Russ	Thomas		Walter	Ward
Linden County Water District	David	Fletcher			
Lockeford Community Services District	Mike	Henry		Joseph Eric	Salzman Schmid
North San Joaquin Water Conservation District	Tom	Flinn		Joe	Valente
Oakdale Irrigation District	Eric	Thorburn, P.E.			
South Delta Water Agency	John	Herrick, Esq.		Jerry	Robinson
South San Joaquin Groundwater Sustainability Agency	Robert	Holmes		Brandon	Nakagawa
Woodbridge Irrigation District	Andy	Christensen			
San Joaquin County Public Works Secretary (1)	Fritz	Buchman			
Stockton East Water District Vice Chair (2)	Melvin	Panizza		Andrew	Watkins
San Joaquin County Chairman (3)	Chuck	Winn		Kathy	Miller

** We have Quorum.*



MEMBER SIGN-IN SHEET

Location: Teleconference Call Only Date: 1/13/2021 Time: 10:30 AM

INITIAL	Member's Name	GSA	Phone	Email
	John Freeman	Cal Water Member	209-547-7900	jfreeman@calwater.com
Present	Jeremiah Mecham	Cal Water Alternate		jmecham@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	ngrp1cs@pacbell.net
	Grant Thompson	Central San Joaquin Water Conservation District Member	209-639-1580	gtom@velociter.net
Present	Reid Roberts	Central San Joaquin Water Conservation District Alternate	209-941-8714	reidwroberts@gmail.com
	Alan Nakanishi	City of Lodi Member	209-333-6702	alanakanishi@lodi.gov
Present	Charlie Swimley	City of Lodi Alternate	209-333-6706	cswimley@lodi.gov
Present	David Breitenbucher	City of Manteca Member	209-456-8017	dbreitenbucher@ci.manteca.ca.us
		City of Manteca Alternate		
Present	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
Present	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	rthomasccwd@hotmail.com
Present	Walter Ward	Eastside San Joaquin GSA Alternate	209-525-6710	wward@envres.org
Present	David Fletcher	Linden County Water District Member	209-887-3202	dqfpe@comcast.net
		Linden County Water District Alternate		
Present	Mike Henry	Lockeford Community Services District Member	209-712-4014	midot@att.net
	Joseph Salzman	Lockeford Community Services District Alternate	209-727-5035	lcscl@softcom.net
	Eric Schmid	Lockeford Community Services District Alternate	209-727-5035	lcscl@softcom.net
Present	Tom Flinn	Nrth San Joaquin Water Conservation District Member	209-663-8760	torrflinn2@me.com
	Joe Valente	Nrth San Joaquin Water Conservation District Alternate	209-334-4786	jvalente@softcom.net
Present	Eric Thorburn, P.E.	Oakdale Irrigation District Member	209-840-5525	ethorburn@oakdaleirrigation.com
		Oakdale Irrigation District Alternate		
Present	Chuck Winn	San Joaquin County Member	209-953-1160	cwinn@sigov.org
	Kathy Miller	San Joaquin County Alternate	209-953-1161	kmiller@sigov.org
Present	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
Present	Robert Holmes	South San Joaquin GSA Member	209-484-7678	rho mes@ssjid.com
Present	Brandon Nakagawa	South San Joaquin GSA Alternate	209-249-4613	bnakagawa@ssjid.com
Present	Melvin Panizza	Stockton East Water District Member	209-948-0333	melpanizza@aol.com
Present	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
Present	Fritz Euchman	San Joaquin County	468-3034	fbuchman@sigov.org
Present	Matt Zidar	San Joaquin County	953-7460	mzidar@sigov.org
	Glenn Prasad	San Joaquin County	468-3089	grasad@sigov.org
	Alicia Connelly	San Joaquin County	468-3531	aconnelly@sigov.org
	Jessica Jones	San Joaquin County	468-3073	jessicajones@sigov.org
	Roy Valadez	San Joaquin County	468-3089	rvaladez@sigov.org
KS	Kristy Smith	San Joaquin County	468-0219	kmsmith@sigov.org
	Rod Attebery	Neumiller & Beardslee / Legal Counsel	948-8200	rattabery@neumiller.ccm
Present	Monica Streeter	Neumiller & Beardslee / Legal Counsel	948-8200	mstreeter@neumiller.ccm
Present	Alex Chetley	San Joaquin County		



OTHER INTERSTED PARTIES - SIGN-IN SHEET

Location: Teleconference Call Only Date: 1/13/2021 Time: 10:30 AM

INITIAL	Member's Name	Organization	Phone	Email
Present	Louie Bricchetto			
Present	Geoff VandenHeuvel	Milk Producers Council		
Present	Linda Dorn	Sac County		
Present	Chelsea Spier	DWR		
Present	Emily Sheldon	Oakdale Irrigation District		
Present	Grace Su			
Present	Scott Moody	SEWD		
Present	Osha Meserve			
Present	Valerie Kincaid	Legal		
Present	Hilary McAuliffe			
Present	Kirin Virk	SJC Counsel		
Present	Emily Bewer			
Present	Gerald Schwartz			

Eastern San Joaquin Groundwater Authority Board of Directors

January 13, 2021

A.1 Vote

Agency Name	Director First	Director Last		Alternate First	Alternate Last	
Cal Water	John	Freeman		Steven Jeremiah	Cavallini Mecham	Y
Central Delta Water Agency	George	Biagi, Jr.		Dante	Nomellini	
Central San Joaquin Water Conservation District	Grant	Thompson		Reid	Roberts	Y
City of Lodi	Alan	Nakanishi		Charlie	Swimley	Y
City of Manteca	David	Breitenbucher	Y			
City of Stockton	Dan	Wright	Y	Mel Paul	Lytle Canepa	
Eastside San Joaquin GSA	Russ	Thomas		Walter	Ward	Y
Linden County Water District	David	Fletcher	Y			
Lockeford Community Services District	Mike	Henry	Y	Joseph Eric	Salzman Schmid	
North San Joaquin Water Conservation District	Tom	Flinn	Y	Joe	Valente	
Oakdale Irrigation District	Eric	Thorburn, P.E.	Y			
South Delta Water Agency	John	Herrick, Esq.	Y	Jerry	Robinson	
South San Joaquin Groundwater Sustainability Agency	Robert	Holmes	Y	Brandon	Nakagawa	
Woodbridge Irrigation District	Andy	Christensen				
San Joaquin County Public Works Secretary (1)	Fritz	Buchman				
Stockton East Water District Vice Chair (2)	Melvin	Panizza	Y	Andrew	Watkins	
San Joaquin County Chairman (3)	Chuck	Winn	Y	Kathy	Miller	

Approved.

Eastern San Joaquin Groundwater Authority Board of Directors

January 13, 2021

A.3 Vote

Agency Name	Director First	Director Last	Alternate First	Alternate Last	
Cal Water	John	Freeman	Steven Jeremiah	Cavallini Mecham	Y
Central Delta Water Agency	George	Biagi, Jr.	Dante	Nomellini	
Central San Joaquin Water Conservation District	Grant	Thompson	Reid	Roberts	Y
City of Lodi	Alan	Nakanishi	Charlie	Swimley	Y
City of Manteca	David	Breitenbucher			Y
City of Stockton	Dan	Wright	Mel Paul	Lytle Canepa	
Eastside San Joaquin GSA	Russ	Thomas	Walter	Ward	Y
Linden County Water District	David	Fletcher			Y
Lockeford Community Services District	Mike	Henry	Joseph Eric	Salzman Schmid	Y
North San Joaquin Water Conservation District	Tom	Flinn	Joe	Valente	Y
Oakdale Irrigation District	Eric	Thorburn, P.E.			Y
South Delta Water Agency	John	Herrick, Esq.	Jerry	Robinson	Y
South San Joaquin Groundwater Sustainability Agency	Robert	Holmes	Brandon	Nakagawa	Y
Woodbridge Irrigation District	Andy	Christensen			
San Joaquin County Public Works Secretary (1)	Fritz	Buchman			
Stockton East Water District Vice Chair (2)	Melvin	Panizza	Andrew	Watkins	Y
San Joaquin County Chairman (3)	Chuck	Winn	Kathy	Miller	Y

Approved.

Via Electronic Mail

January 27, 2021



Matt Zidar
San Joaquin County
Department of Public Works
1810 East Hazelton Ave
Stockton, CA 95205

Re: Proposal to Prepare WY 2020 Annual Report and Model Updates for the Eastern San Joaquin Groundwater Subbasin

Dear Mr. Zidar:

Woodard & Curran is pleased to present the following proposal for preparing the Water Year (WY) 2020 Annual Report for the Eastern San Joaquin Groundwater Subbasin and for updates to and use of the Subbasin's numerical groundwater flow model, specifically:

- Comparing the results from the SEWD pilot with the modeled results for groundwater pumping
- Evaluating boundary flows from neighboring basins from their models and from C2VSIM to see how much they vary
- Preparing and presenting the water budgets at four (4) meetings for the different areas for the baseline and future w/o project runs

Scope of Services for Category (a): Planning Activities Task 2, DMS Refinements

Task 1: Water Year 2020 Annual Report

Under Water Code Section 10733.2, DWR was required to draft and adopt emergency regulations for the evaluation and implementation of GSPs. The emergency regulations adopted by the California Water Commission spell out what is required in a GSP, and Article 7 covers Annual Reports and Periodic Evaluations by the Agency and describes the procedural and substantive requirements for the annual reports. Each GSA, or the ESJGWA, is required to submit an annual report to the Department by April 1 of each year following the adoption of the Plan (§ 356.2. Annual Reports). The annual report must include the following components for the preceding water year:

(a) General information, including an executive summary and a location map depicting the basin covered by the report.

(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:

(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:

A. **Groundwater elevation contour maps** for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.

B. **Hydrographs of groundwater elevations** and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.



(2) **Groundwater extraction for the preceding water year.** Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.

(3) **Surface water supply used or available for use, for groundwater recharge or in-lieu use** shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.

(4) **Total water use** shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

(5) **Change in groundwater in storage** shall include the following:

(A) Change in groundwater in storage maps for each principal aquifer in the basin.

(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

(c) A **description of progress** towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.

The second annual report for the ESJ Subbasin GSP will be due on April 1, 2021. Per California Code of Regulations §356.2 (SGMA regulations), annual reports must include three key sections: 1) General Information, 2) Basin Conditions, and 3) Plan Implementation Progress. Tasks to complete the Annual Report are detailed below.

Subtask 1.1 – Collect, Compile, and Analyze Data

The Basin Conditions section of the annual report will describe the current groundwater conditions and monitoring results, described further in the bullets below. Woodard & Curran will work with the County to develop a list of each necessary dataset, the responsible GSA, and due dates for data. Data will be compiled and reviewed for basic quality control (e.g. duplicate data or flagging data expected to have errors). Groundwater elevation and groundwater quality data will be compiled and imported into the ESJ Subbasin Data Management System (DMS) in Subtask 1.2. Additionally, Woodard & Curran will update the historical ESJWRM model to extend the hydrologic period to Water Year 2020 to support the estimation of data for the Annual Report. This is further explained in Subtask 1.3.

Data will be analyzed and presented for each data type as follows:

- Groundwater Elevation
 - Woodard & Curran will obtain groundwater elevation data compiled from the County and the GSAs for monitoring Spring and Fall 2020 groundwater levels and develop groundwater elevation contour maps for the principal aquifer that illustrates seasonal high and seasonal low groundwater conditions for WY 2020.
 - Hydrographs will also be compiled for each representative monitoring well, showing available historical groundwater elevations through WY 2020 with reference to water year type.



- Groundwater Extraction
 - The WY2020 historical ESJWRM model will be used to estimate the agricultural groundwater extraction. Groundwater extraction by municipalities will be collected from the GSAs and analyzed by Woodard & Curran for inclusion in the model.
- Surface Water Supply and Use
 - WY 2020 surface water diversion data will be collected from the GSAs and analyzed by Woodard & Curran for inclusion in the model. Surface water use data will be estimated consistent with the parameters (e.g. recoverable and non-recoverable losses), as well as delivery areas in the calibrated model.
- Total Water Use
 - Total water use will be estimated using the results from the updated historical model and will include estimated groundwater extraction and surface water use data and summarized by water use sector and water source type. The measurement method and accuracy of measurements will be documented per the source of data, method of analysis using the model, as required by DWR.
- Annual Water Budget and Change in Groundwater Storage
 - The updated historical model (ESJWRM) will be used to establish a water budget for WY 2020. The model update will be as described in Subtask 1.3.
 - The updated historical model (ESJWRM) will be used to estimate change in groundwater in storage for the principal aquifer. A map will be generated to show the location of change in storage, as well as graphical figures showing year type, groundwater use, the annual change in groundwater in storage, and the historical cumulative change in groundwater in storage from 1995 through WY 2020.

Subtask 1.2 – Update ESJ Subbasin Data Management System

This subtask includes time spent making the following updates to the ESJ Subbasin DMS.

- Input data received for Annual Report in template format

Subtask 1.3 – Update ESJWRM Model for Annual Report Requirements

Woodard & Curran will update the ESJWRM model through WY 2020. Note that this subtask does not include updating the historical model calibration. The model update includes:

- Extend precipitation data for WY 2020
- Extend streamflow data for WY 2020
- Update land use and cropping pattern to include the most recent land use survey by the DWR (LandIQ 2016)
- Update of population record and unit water use for municipalities for WY 2020 if available
- Update surface water delivery model input for WY 2020 data from agricultural entities and municipalities
- Update groundwater pumping input data for WY 2020 data from municipalities



The resulting ESJWRM simulation period will be through WY 2020. This updated model will provide the following information:

- Estimates of agricultural water demand for WY 2020
- Estimates of urban water demand for WY 2020
- Surface water delivery for WY 2020
- Estimate of groundwater pumping for WY 2020
- Estimate of groundwater storage change from WY 2019 to WY 2020
- Simulated groundwater levels in contour map as well as monthly trends in simulated groundwater level at the model calibration wells.

Subtask 1.3 Assumptions:

The San Joaquin County will be responsible for coordination with the GSAs for the collection of all required data for WY 2020, for input to the model, as follows:

- Surface water diversion data by each agricultural entity
- Surface water diversion data by each municipality
- Groundwater extraction data for each well and for each municipality
- Population records for each municipality
- If data requested does not come in Woodard & Curran will use the latest year information available and will extrapolate with reasonable water year assumptions.

Subtask 1.4 – Document Plan Implementation Progress

The Plan Implementation section of the annual report will describe the progress made towards achieving interim milestones as well as implementation of projects and management actions. Woodard & Curran will work with the GSAs to evaluate and report on the progress towards implementing the GSP, including the status of the shortlisted projects and ongoing development of management actions. Shortlisted projects will be summarized in tabular format. Management actions will be summarized in paragraph form.

Subtask 1.5 – Prepare Annual Report

The results of Subtasks 1.1 through 1.4 will be used to develop the WY 2020 Annual Report, including an executive summary that highlights the key content of the annual report. The following sections will be included:

1. Executive Summary
2. Introduction
3. Basin Setting
 - a. Groundwater Elevations
 - b. Groundwater Extractions
 - c. Surface Water Supply
 - d. Total Water Use
 - e. Change in Groundwater Storage
4. Plan Implementation Progress
5. References



A Draft Report will be prepared for review by the GSAs. Comments will be incorporated into a Final Report which will be distributed electronically (PDF). Woodard & Curran will also provide the GSAs a copy of the digital files for supporting data, such as Excel spreadsheets and GIS maps/shapefiles.

Deliverable(s):

- Draft and Final Annual Report (PDF form only)

Task 2: ESJ Groundwater Model Update and Support (Optional)

Analyses and edits will be made to the historical ESJWRM to ensure consistency with data from GSAs and results from other modeling and/or analysis efforts (both regional and local). This task includes four optional subtasks as described below.

Subtask 2.1: Update Model for OID Delivery Data

This task includes updating the surface water delivery data to Oakdale Irrigation District (OID) in the historical ESJWRM. This task includes up to 2 phone calls with OID and representatives to OID to discuss data updates and confirm assumptions. This task does not include calibration, which occurs in Subtask 2.3.

Subtask 2.2: Update Historical Model Features and Data

This task includes updating the historical model data as listed in the ESJWRM Report (August 2018) and the 2020 Eastern San Joaquin Groundwater Subbasin GSP (November 2019) or discussed with GWA member agencies during development of the GSP. These updates may include:

- Refining model grid in focused areas to align with the most recently updated GSA boundaries
- Analysis of Stockton East Water District (SEWD) groundwater pumping compared to SEWD pilot project results
- Boundary flow adjustment based on updated regional modelling (C2VSim) and/or based on modeling information from neighboring subbasins
- Monthly potential evapotranspiration that varies for each month of the historical simulation period based on updated regional modeling (C2VSim), local planning documents, and METRIC
- Inclusion of idle crop as a separate land use category
- Surface water deliveries in Cosumnes and Modesto Subbasins based on updated regional modeling (C2VSim) and potentially neighboring modelling efforts
- Refining diversion losses for agricultural and urban entities
- Analysis of deep percolation and comparison to available planning documents
- Model layering and extent/thickness of Corcoran Clay based on updated regional modeling (C2VSim)
- Analysis and refinement of unsaturated zone

This task includes outreach to and coordination with neighboring groundwater subbasins and representatives, Eastern San Joaquin Groundwater Subbasin agencies and representatives, and discussion of analysis with GWA Board and committee members.



Subtask 2.3: Update Model Calibration

With updated data, the historical ESJWRM will undergo a recalibration of the land surface and groundwater systems. The historical water budgets, streamflows, groundwater hydrographs, and groundwater contours will be reviewed for consistency with available observation data. The latest version of the historical model developed for the annual report, with data through WY 2020, will be used as the basis for the recalibration. This task assumes attendance and presentation at up to 2 GWA Board and Technical Committee meetings.

Subtask 2.4: Prepare Technical Memorandum (TM)

Updated data and results will be documented in a TM. This TM will be based on the existing ESJWRM Report and will include updated data sources and model calibration results.

Task 3: Prepare and Present Baseline Water Budgets (Optional)

This task includes analyses of results of the baseline models included as part of the 2020 Eastern San Joaquin Groundwater Subbasin GSP . Woodard & Curran to facilitate up to four (4) meetings with GWA committee members discussing water budget results for the ESJWRM baselines as presented in the GSP. Task includes further analysis of model results for different areas of the Eastern San Joaquin Subbasin as requested by GWA Board or committee members. Further analysis of model runs will be limited and focused on specific regions of the subbasin.

BUDGET AND SCHEDULE

We have provided a scope of services, detailed above, that cover all requested activities; however, as requested, all subtasks in Task 2 and 3 are optional. Task 1, WY 2020 Annual Report, will cost \$50,000, and the four optional work efforts in Task 2 will total \$108,000 and Task 3 will total \$21,000 for a proposal total of \$179,000. The Project will begin following receipt of NTP is anticipated to begin during January of 2021. The Project will run for approximately 12 months, with the Annual Report completed and submitted to DWR by April 1, 2021.

We greatly appreciate this opportunity to offer our services to San Joaquin County and the GSAs of the Eastern San Joaquin Groundwater Subbasin. Please feel free to call me at (916) 999-8700 if you have any questions regarding this proposal or require any further information.

Sincerely,

WOODARD & CURRAN, INC.

Handwritten signature of Ali Taghavi in black ink.

Ali Taghavi
Principal-in-Charge

Handwritten signature of Leslie Dumas in black ink.

Leslie Dumas, PE
Project Manager



Fee Estimate

ESJ Groundwater Authority ESJ Subbasin WY2020 Annual Report

Tasks	Labor								Total Hours	Total Labor Costs (1)	ODCs		Total Fee
	Ali Taghavi	Leslie Dumas	Jeanna Long	Sara Miller	Lindsay Martien	Vanessa De Anda	Emily Honn	Admin.			ODCs	Total ODCs (3)	
	PIC	PM	DMS	PE	PE	PE	PE	Graphics and Support Team					
	\$324	\$324	\$298	\$234	\$224	\$198	\$198	\$136					
Task 1: WY2020 Annual Report													
1.1 Collect, Compile and Analyze Data		4	4	8	4	20	8		48	\$10,800		\$0	\$10,800
1.2 Update ESJ Subbasin Data Management System			8			4			12	\$3,176		\$0	\$3,176
1.3 Update ESJWRM Model Update for Annual Report Requirements	4			16			40		60	\$12,960		\$0	\$12,960
1.4 Document Plan Implementation Progress		2				4			6	\$1,440		\$0	\$1,440
1.5 Prepare Annual Report	4	24	2	4	4	40	8	4	90	\$21,548		\$0	\$21,548
Subtotal Task 1:	8	30	14	28	8	68	56	4	216	\$49,924	\$0	\$0	\$49,924
Task 2: Model Update and Support (Optional)													
2.1 Update Model for OID Delivery Data	2			12			4		18	\$4,248		\$0	\$4,248
2.2 Update Historical Model Features and Data	4	2		40			80		126	\$27,144		\$0	\$27,144
2.3 Update Model Calibration	8	4		80			160		252	\$54,288		\$0	\$54,288
2.4 Prepare Technical Memorandum	4	2		16			80	4	106	\$22,072		\$0	\$22,072
Subtotal Task 2:	18	8	0	148	0	0	324	4	502	\$107,752	\$0	\$0	\$107,752
Task 3: Prepare and Present Baseline Water Budgets (Optional)													
Prepare and Present Baseline Water Budgets	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	0	\$0		\$0	\$0
Subtotal Task 3:	0	0	0	0	0	0	0	0	0	\$0	\$0	\$0	\$0
TOTAL	26	38	14	176	8	0	380	8	718	\$157,676	\$0	\$0	\$157,676

1. The individual hourly rates include salary, overhead and profit.
2. Subconsultants will be billed at actual cost plus 10%.
3. Other direct costs (ODCs) such as reproduction, delivery, mileage (rates will be those allowed by current IRS guidelines), and travel expenses, will be billed at actual cost plus 10%.
4. RMC reserves the right to adjust its hourly rate structure and ODC markup at the beginning of the calendar year for all ongoing contracts.

March 2021 DWR Updates (from DWR's North Central Region Office)

Grants

California Grants Portal

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

USBR: NEW WaterSMART Grants: Water Marketing Strategy Grants for Fiscal Year (FY) 2021

The grant is to leverage federal funding to develop a “Water Marketing Strategy”, which includes:

- (1) Outreach and partnership building;
- (2) Scoping and planning activities (e.g., hydrologic, economic, legal and other types of analysis); and
- (3) Development of a water marketing strategy document describing how water marketing activities will be implemented.

\$3 Million available total and the application deadline is April 7th, 2021. More info here:

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=331273>

DWR's Floodplain Management, Protection, and Risk Awareness (FMPRA) Grant Program

There is \$25M available to provide financial assistance for flood risk reduction activities related to stormwater, mudslide, and other flash flood related protections. The final grant guidelines are expected to be published in summer of 2021. <https://water.ca.gov/Work-With-Us/Grants-And-Loans/Flood-Management-Protection-Risk-Awareness-Program>

State Water Resource Control Board, Groundwater Grant Program: Amendment to Funding Guidelines

The SWRCB has recently updated its funding guidelines for administering the \$720 million dollars in prop 1 groundwater grant funding. More info on this grant program can be found here:

https://www.waterboards.ca.gov/water_issues/programs/grants_loans/proposition1/groundwater_sustainability.html

California Financing Coordinating Committee: Funding fair recording posted

The October 22, 2020 CFCC funding fair filled up early so if you were unable to join in October, the recording is now available here: <https://www.cfcc.ca.gov/>. The next funding fair is tentatively scheduled for March of 2021.

Department of Conservation: Watershed Coordinator Grant awards announced

The list of awards can be found here: <https://www.conservation.ca.gov/dlrp/grant-programs/watershed>. A total of 1.5 million was awarded. More information on the program can be found here:

<https://www.conservation.ca.gov/dlrp/grant-programs/watershed>

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

- California Financing Coordinating Committee -- <https://cfcc.ca.gov/>, and
- CalOES grants -- <https://www.caloes.ca.gov/cal-oes-divisions/grants-management>
- US EPA -- <https://www.epa.gov/grants/specific-epa-grant-programs>, and
- Economic Development Administration -- <https://eda.gov/funding-opportunities/>
- The rollout webinars of FEMA's new grant, Building Resilient Infrastructure and Communities (risk reduction), started in July 2020 and can be found at: <https://www.fema.gov/bric>

Upcoming conferences, webinars, new reports and data

March 2021 DWR Updates (from DWR's North Central Region Office)

CivicSpark Partner applications for the 2021-22 service year OPEN NOW!

Since 2014, the Local Government Commission's CivicSpark AmeriCorps program has recruited over 400 Fellows directly supporting over 600 community and climate resilience projects all across California while serving as a career accelerator for emerging leaders. Priority deadline is February 28, regular application deadline March 31st. Learn more and/or sign up for an informational webinar here: <https://civicspark.lgc.org/join-civicspark/>

Climate Adaptation Planning Guide Workshop Series

Registration Open: 2021 Adaptation Planning Guide Workshop Series – A series of online in-depth webinar workshops on the [Adaptation Planning Guide](#) and other resources for practitioners. Workshop content will feature a mix of introductory and technical content, case studies, tools and data, breakouts, and more and **will be held March 17th, April 14 and May 12**. To register visit:

https://governorca.zoom.us/webinar/register/WN_cOkwSQ_oQqvJ3vDsh5Clw

SWRCB Releases 2012-2019 Public Water Supply Datasets

The State Water Resources Control Board's Division of Drinking Water has released the latest round of electronic annual report datasets from public drinking water systems. The release covers reporting years 2012–2019, including more than 7 million records for reporting year 2019.

https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/ear.html

DWR has formed a technical advisory committee for the update of California Well Standards

The TAC has 67 members from broad backgrounds. They will meet from March 2021 to March 2022. We anticipate the Public Review Draft will be released in September 2022, followed by the Final Well Standards in December 2022. Those interested listening into TAC meetings or providing suggestions may email:

Bulletin74@water.ca.gov. More information here: <https://water.ca.gov/Programs/Groundwater-Management/Wells/Well-Standards>

U.S. Bureau of Reclamation: New Data sharing webpage

The U.S. Bureau of Reclamation has released the new Reclamation Information Sharing Environment (RISE) website. It provides access to Reclamation's water-related data. The site includes maps to help search for data in a particular area. There is also a catalog offering access to datasets and time-series data. <https://data.usbr.gov/>

Native American Day 9/25/20

The Governor issued a new policy encouraging State entities to seek opportunities to support California Tribes' co-management of and access to natural lands that are within a California Tribe's ancestral land and under the ownership or control of the State of California, and to work cooperatively with California Tribes that are interested in acquiring natural lands in excess of State needs: <https://www.gov.ca.gov/2020/09/25/on-native-american-day-governor-newsom-takes-action-to-restore-land-promote-equity-for-california-native-communities/>

California Water Plan 2016 Water Balance Data Release

A webinar was held Wednesday September 30th 9:30 – 11:30 by the CA Water Plan team to discuss the release of 2016 water balance data. A recorded video is available here: <https://youtu.be/VO8dmT9Zw9A>

DRAFT Urban and Agricultural Water Management Plans Released, DWR

DWR has released draft versions of two water management guidebooks; one for urban water management plans and the other for agricultural water management plans. Both plans serve as long-term water supply and demand management strategies. Information on both plans can be found here: <https://water.ca.gov/Programs/Water-Use-And-Efficiency>

March 2021 DWR Updates (from DWR's North Central Region Office)

Flood-MAR (Managed Aquifer Recharge)

A kickoff meeting to establish a Flood-MAR network was held December 10th, 2020 and a second meeting will be held March 5th, 2021. There is also an ongoing [Lunch-MAR monthly speaker series](#). If you are interested in attending or getting involved please email Jennifer.Marr@water.ca.gov (916) 651-9229 to be added to the calendar invite. To join the Flood-MAR listserv follow this link:

https://listservservice.cnra.ca.gov/scripts/wa.exe?SUBED1=DWR_FLOODMAR&A=1

Governor Newsom Releases Final Water Resilience Portfolio

The Governor released the final version of the Water Resilience Portfolio on Tuesday, July 28th:

<https://waterresilience.ca.gov/>. Given the recent drastic downturn in the state's budget situation, the final version acknowledges that the pace of progress on the actions in the portfolio will depend upon the resources available.

The portfolio is a comprehensive, aspirational document.

SGMA

NEW: SGMA Water Year Type Dataset Now Available

In the dataset, the water years are labeled as wet, above normal, below normal, dry, or critical based on the amount of precipitation during that water year and the previous one. The information is available for all California watersheds except those underlying the Sacramento River and San Joaquin River Hydrologic Regions since that information is already available. [Data](#) and a [development report](#) are now available.

February 18th Webinar: [Joint DWR-State Water Board General SGMA Webinar](#) on Groundwater Sustainability Planning
The Department of Water Resources (DWR) and the State Water Resources Control Board held a virtual General Sustainable Groundwater Management Act (SGMA) A [video recording of the meeting](#) is available on YouTube and will be posted to the DWR website, along with additional materials, in the near future.

GSPs have been submitted by all Critically Over-drafted basins.

GSPs and public comments have been posed on the SGMA portal here: <https://sgma.water.ca.gov/portal/gsp/all>.

Dry Well Reporting Site

There is a website available to report private wells going dry at <https://mydrywatersupply.water.ca.gov/report/>

This information reported to this site is intended to inform state and local agencies on drought impacts on household water supplies. The Household Water Supply Shortage Reporting System was first created as part of our emergency response efforts to previous droughts, and we are continuing to gather information relating to shortages of household water from private well or surface water sources.

NEW Statewide Groundwater Level Change Report and Maps Available

The [Spring 2020 Groundwater Level Change Report](#) and accompanying maps are available on the DWR website and present a summary of groundwater level data. The report and maps include a discussion of groundwater level trends with multi-year comparisons which can assist with the development of GSPs.

SVSim Beta Model Released

DWR has released the beta version of the [Sacramento Valley Groundwater-Surface Water Simulation Model \(SVSim\)](#) that can be used during GSP development. Instructions for use are included in the [Roadmap to Running SVSim](#) document. A calibrated version of SVSim is expected in fall 2020.

C2VSim Fine Grid Update Published December 2020

C2VSimFG Version 1.0 is a historical simulation model designed to estimate regional groundwater flow throughout the Central Valley. C2VSimFG is an integrated hydrologic model application and uses demand estimates from land use and population to calculate spatially distributed groundwater pumping and recharge

March 2021 DWR Updates (from DWR's North Central Region Office)

estimates. The updated tool includes calibration of aquifer properties and documentation. DWR will host informational webinars and a multi-day training event on C2VSimFG Version 1.0 in winter 2021. More information and downloads can be found here under the "modeling/modeling applications" tabs:

<https://water.ca.gov/Programs/Groundwater-Management/Data-and-Tools>

Draft Handbook for Water Budget Development

The handbook has been posted on the SGMA webpage and can be viewed at the following link under the "reports" tab: <https://water.ca.gov/Programs/Groundwater-Management/Data-and-Tools>. A recent webinar discussing the handbook with a deeper dive on 4 topics can be viewed here:

<https://www.youtube.com/watch?v=U1V4V-SG5jY&feature=youtu.be>

DWR is developing eight Proposition 68-funded technical projects

These projects include airborne electromagnetic surveys, improving groundwater elevation and quality monitoring networks, Statewide land use data collection, improved subsidence monitoring network, installing and maintaining stream gauges, maintaining and enhancing statewide well completion reports, managing and reporting sustainable groundwater information, and enhancing and maintaining DWR's modeling tools. Fact sheets on each project can be viewed under the "Prop 68" tab here: <https://water.ca.gov/Programs/Groundwater-Management/Data-and-Tools>

Facilitation Support Services (FSS): Funding still available

- GSA's developing GSPs are eligible to receive funding for identification and engagement of interested parties, meeting facilitation, interest-based negotiation/consensus building, and public outreach facilitation
- More information can be found here: <https://water.ca.gov/Programs/Groundwater-Management/Assistance-and-Engagement> New written translation services available in 10 languages for outreach materials (5,000 word maximum).

Technical Support Services (TSS): Funding still available

- COD basins have priority, but this application is open to all high and medium priority basins including those with an approved alternative plan. More information and applications can be found here: <https://water.ca.gov/Programs/Groundwater-Management/Assistance-and-Engagement>
- Funds can be used for monitoring well installation, geophysical logging, geologic logging, groundwater level monitoring training, borehole video logging, and other field activities.