



## STEERING COMMITTEE MEETING

### AGENDA

Wednesday, September 9, 2020

8:30 a.m. – 10:00 a.m.

**Teleconference Meeting Only**

**Call-In Information Provided**

### NOTICE: Coronavirus COVID-19

See Attached Notice Regarding COVID-19, Closure of Board Chambers to the Public During the Steering Committee Meeting.

- I. **Call to Order/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.***
  - A. **Discussion / Action Items:**
    1. Approval of the August 12, 2020 Meeting Minutes (Attachment)
    2. Resolution Authorizing the Secretary of the Eastern San Joaquin Groundwater Authority to Approve Expenditures and Execute Contracts Within the Designations and Limitations of the Approved Budget Resolution (Attachment)
    3. DWR Draft GSP Project Proposal Solicitation Package Overview and Discussion of Approach to project selection (Staff Report Attached)
- III. **Staff Reports**
  1. Groundwater Management and Safe Drinking Water in the San Joaquin Valley. Analysis of Critically Over-drafted Basins' Groundwater Sustainability Plans. (Staff Report Attached)
  2. GSA payments
- IV. **Public Comment (non-agendized items)**
- V. **Director's Comments**
- VI. **Future Agenda Items**
- VII. **Adjournment**

# EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

## Steering Committee Meeting

### AGENDA

*(Continued)*

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#### **NOTICE: Coronavirus COVID-19**

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

#### **Important Notice Regarding COVID 19 and Closure of Board Chambers to the Public During Eastern San Joaquin Groundwater Authority Steering Committee Meeting**

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 Steering Committee 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 Committee Members before and during the meeting:

1. You are strongly encouraged to listen to the Eastern San Joaquin Groundwater Authority Steering Committee meetings by attending the teleconference:

#### **Join Microsoft Teams Meeting**

+1 209-645-4071 United States, Stockton (Toll)

Conference ID: 883 729 984#

[Local numbers](#) | [Reset PIN](#) | [Learn more about Teams](#) | [Meeting options](#)

\*If you are connecting to Microsoft Teams for the first time, you will need to download the program to you PC. You can also download the Microsoft Teams App to you Apple or Android device by visiting the App Stores.\*

***Once connected, we request you kindly mute your phone.***

# EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

## Steering Committee Meeting

### AGENDA

*(Continued)*

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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 Secretary of the Board at [ksmith@sjgov.org](mailto:ksmith@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.

#### **Next Scheduled Meeting**

Wednesday, October 14, 2020

8:30 am to 10:00 am

Location TBD

## ESJGWA Steering Committee Meeting Minutes

**Wednesday, August 12, 2020**

**Meeting called to order:** at 8:33 am

The meeting was conducted via teleconference using Microsoft Teams.

### **Roll Call taken:**

Roll call taken of members only.

In attendance were Chair Winn, Directors Mike Henry; Robert Holmes and Tom Flinn and Alternate Directors Mel Lytle; Walter Ward and Andrew Watkins

Others in attendance were logged via their sign in to Microsoft Teams.

### **Discussion / Action Items:**

1. Approval of the July 8 , 2020 Meeting Minutes

Motion: Director Mike Henry

2<sup>nd</sup>: Director Robert Holmes

Chairman Cuck Winn asked for any Noes or Abstains. With none provided, the minutes were approved unanimously.

2. Board and Steering Committee Schedule

Matt Zidar with San Joaquin County presented details on a proposed Steering Committee and Board Meeting schedule for the remainder of 2020. Mr. Zidar noted that Steering Committee Meetings would be held monthly, while Board Meetings would be quarterly. Discussion was had regarding the November, 2020 Steering Committee Meeting and a need for an alternate November date or cancellation, due to the Veterans Day Holiday. Steering Committee Members will be contacted for potential alternate November meeting date. There were no comments or concerns with the proposed meeting schedule. Members were advised to set these dates to their calendars.

3. TAC Configuration and Membership

Matt Zidar discussed the current Technical Advisory Committee (TAC) and their role and purpose within the GWA, providing review and analysis of technical work plans, needs and costs. Mr. Zidar also discussed membership and the composition of the TAC. Alternate Director Walt Ward advised the committee that perhaps they should look into the advisory group that was in place during the pre-development of the GSP, for member composition. Ms. Monica Streeter with Neumiller and Beardslee addressed the committee, advising that this new TAC was created to be a working group and that if there were new members added who were also Board Members or Alternates, there could potentially

be quorum issues with Brown Act. Alternate Director Mel Lytle stated that the original Advisory Committee list, mentioned earlier, has changed a lot over time. It was suggested that the GSA's be invited and made responsible for adding a member representative to the TAC.

Secretary Fritz Buchman noted that some GWA Board Directors and Alternates are GSA staff and not members of the GSA Boards. Director Mike Henry added that for the smaller agencies there is overlap with their GWA Board Directors and Alternates and Committee members, as there agencies don't have large staff counts. Director Tom Flinn added that when the TAC was formed, there was not a representative from NSJWCD due to staffing issues. He added that is tough to include a member due to lack of staff available, but that he put his trust in the rest of the group.

#### 4. Review and Develop Recommendation on Woodard & Curran Master Services Agreement

Matt Zidar provided the Committee with an overview of the approved FY 20/21 Budget and details and explained the Task Order assignments. Mr. Zidar provided the Committee with the requested action of approving the Task Order No. 2 amounts and contract increase, as well as assigning the Public Works Director the designated representative to negotiate and sign the Task Order.

Director Mike Henry asked to have the figures reviewed and explained again. Mr. Zidar provided the figure details to the group again.

Alternate Director Mel Lytle questioned if the DWR funding agreement was lagging and if DWR reimbursements have been fully completed, with Woodard & Curran paid up to date. Alternate Director Lytle additionally questioned how the well drilling would be done, noting that DWR approved technical service and support and possible well monitoring for us. Mr. Zidar advised that Woodard & Curran is up to date with the exception of one task in regards to well monitoring. Mr. Zidar briefly discussed the issue of fatal flaws with the monitoring wells and agreements being worked on between the effected GSA's, DWR and Public Works. Alternate Director Lytle commented that it would be helpful if the well monitoring updated were provided as a regular agenda item in the Steering Committee meetings.

Director Tom Flinn commented on the upcoming Board Meeting agenda including this same action item for approval. Director Flinn questioned the previously discussed time allotted for members to discuss with their own Boards before bringing an item to the GWA Board. Mr. Zidar advised there was a time crunch in regards to this item and that the one month review period will be used in the future. Director Flinn additionally requested that a brief synopsis be provided on the action items pertaining to consultant costs, budget figures and task orders. Director Flinn advised that something easy to explain to GSA Boards would be great, as some of these details are difficult to explain.

Mr. Zidar advised that he was looking for Steering Committee support to make a recommendation to the Board. Ms. Monica Streeter of Neumiller & Beardslee further noted that a recommendation for the Steering Committee was be sought, noting that the Steering Committee recommends that the Board approve the agreement amendment of Woodard & Curran's Master Services Agreement.

Director Mike Henry stated that he felt comfortable with the recommendation at the Steering Committee level, but felt there may be issue at the Board level. Director Henry asked if there was any concern if the action item rolled over into the scheduled October Board meeting. Secretary Fritz Buchman added that another option would be a Special Board Meeting prior to October, to address the item. Chairman Chuck Winn stated that previous consensus was to discuss at the Steering Committee

level and then allow time for members to take item to GSA Boards. Chairman Winn recommended a month between Steering Committee and Board discussions and to possibly add an extra Board meeting between scheduled quarterly meeting to keep the project moving and still allow members to discuss with their Boards. Mr. Zidar advised that item was not critical, so was ok with allowing discussion and then taken to October meeting, but did not feel this was an item that needed to go to each GSA as it is part of an already approved budget. Chairman Winn advised as a matter of procedure, the expectation is to discuss and allow time to review with their Boards prior to any final decisions being made.

Further discussion by Committee was had regarding the complexity of the item details and whether their Boards would understand the technical side. Director Henry further noted that the Steering Committee members were elected and accepted by the GWA Board to take action and make decisions at the Steering Committee level, without having to take everything back to GSA's. Chairman Winn advised that the intent is to make sure there is opportunity to provide members with all the information and allow time for GSA's to make their Boards and customers informed. Ms. Monica Streeter added that an item could be brought before the Board, a Resolution allowing for Steering Committee to have designated authority of certain decisions. Director Holmes added that as a Steering Committee, if they stay committed to monthly meetings, they can stay ahead of the Board Meetings.

The Committee proceeded to make the motion to approve a recommendation that the Board approve the Woodard & Curran Master Services Agreement amendment.

Motion: Director Robert Holmes

2<sup>nd</sup>: Director Tom Flinn

Chairman Cuck Winn asked for any Noes or Abstains. With none provided, the motion was approved unanimously.

#### 5. Review and Develop Recommendation on Watershed Coordinator Grant Proposal

Matt Zidar provided an overview of the Watershed Coordinator Grant available through the California Department of Conservation. Mr. Zidar asked the Steering Committee that a recommendation be made to the Board to apply for this grant on behalf of the GWA.

Mr. Scot Moody with SEWD addressed the Committee, advising that SEWD was discussing applying for this same grant with a group of agencies. Mr. Moody advised he wanted to be transparent in their intentions. Mr. Zidar advised that he would like to sit down and discuss further, as it would not behoove the GWA or SEWD to compete for the Grant. Mr. Zidar offered discussion on how this Watershed Coordinator position could support the GSA's.

With no additional comments or questions, Committee proceeded to offer a motion to recommend to the Board proceeding with application for the Watershed Coordinator Grant.

Motion: Director Robert Holmes

2<sup>nd</sup>: Alternate Director Walt Ward

Chairman Cuck Winn asked for any Noes or Abstains. With none provided, the motion was approved unanimously.

6. DWR's Draft Grant Proposal Solicitation Package (PSP) for projects that implement Groundwater Sustainability Plans

Matt Zidar provided an overview of the DWR Draft PSP for GSP Projects, explaining the total, minimum and maximum grant amounts to be awarded and the cost share involved. Mr. Zidar also explained the projects eligible with this grant and the initial Grant Schedule.

Alternate Director Walt Ward asked to confirm that the projects have to be identified in the approved GSP, yes. Alternate Director Ward also stated the need for setting a process for creating a short list of projects, as well as a need to get focused and try to expedite the process. Mr. Zidar advised that the plan is to resume the Technical Advisory Committee (TAC) by the end of August or beginning of September, to support.

Alternate Director Mel Lytle questioned where the funds were coming from and how many basins were included. Mr. Zidar advised that funds were coming from Prop 68 bonds. Secretary Fritz Buchman added that he believed there were fewer than 30 over drafted basins. Alternate Director Lytle further suggested that these funds could not be looked at for funding a large project, but could fund a project already in process, if there were any. Mr. Zidar advised he would differ to GSA's for that information. Chelsea Spier with DWR added that these grants have a large portion offered to Disadvantaged Communities and clarified that there are 18-20 over drafted basins. Mr. Zidar advised that this item would require further discussion.

**Staff Reports**

1. Monitoring Well Development

Matt Zidar advised that there was nothing to add in regards to the Monitoring Well Development.

2. News Clippings

Matt Zidar advised the Committee that he compiles news article he comes across and is providing them for member review.

**Public Comment:**

None

**Director's Comments:**

None

**Future Agenda Items:**

Matt Zidar provided some future agenda items based on meeting discussions. The items included, TAC composition and roles, DWR PSP items, discussion regarding Resolution of Delegated Authority, Policy Direction of one month review period on action items.

**Adjournment:** Meeting was adjourned at 9:53 am by Chairman Winn.





**Eastern San Joaquin Groundwater Authority**  
**Steering Committee Meeting Sign-In**  
August 12, 2020      8:30 AM

Chuck Winn	San Joaquin County	209-953-1160	<a href="mailto:cwinn@sjgov.org">cwinn@sjgov.org</a>	Present
Mel Lytle	City of Stockton	209-937-5614	<a href="mailto:mel.lytle@stocktonca.gov">mel.lytle@stocktonca.gov</a>	Present
Mike Henry	Lockeford Community Services District	209-712-4014	<a href="mailto:midot@att.net">midot@att.net</a>	Present
Walter Ward	Eastside San Joaquin GSA	209-525-6710	<a href="mailto:wward@envres.org">wward@envres.org</a>	Present
Robert Holmes	South San Joaquin GSA	209-484-7678	<a href="mailto:rholmes@ssjid.com">rholmes@ssjid.com</a>	Present
Andrew Watkins	Stockton East Water District	209-948-0333	<a href="mailto:watkins.andrew@verizon.net">watkins.andrew@verizon.net</a>	Present
Tom Flinn	North San Joaquin Water Conservation District	209-663-8760	<a href="mailto:tomflinn2@me.com">tomflinn2@me.com</a>	Present
Kris Balaji	San Joaquin County	468-3100	<a href="mailto:kbafani@sjgov.org">kbafani@sjgov.org</a>	
Fritz Buchman	San Joaquin County	468-3034	<a href="mailto:fbuchman@sjgov.org">fbuchman@sjgov.org</a>	Present
Matt Zidar	San Joaquin County	953-7460	<a href="mailto:mzidar@sjgov.org">mzidar@sjgov.org</a>	Present
Brandon Nakagawa *	South San Joaquin GSA - Alternate	209-249-4613	<a href="mailto:bnakagawa@ssjid.com">bnakagawa@ssjid.com</a>	Present
<b>OTHERS</b>				
Kristy Smith	SJC			
Renee Neal	SJC			
Alicia Connelly	SJC			
Monica Streeter	Neumiller			
Rodney Ficke				









**Before the Board of Directors of the  
Eastern San Joaquin Groundwater Authority**

**Resolution R-20-XX**

**RESOLUTION AUTHORIZING THE SECRETARY OF THE EASTERN SAN JOAQUIN  
GROUNDWATER AUTHORITY TO APPROVE EXPENDITURES AND EXECUTE CONTRACTS  
WITHIN THE DESIGNATIONS AND LIMITATIONS OF THE APPROVED BUDGET**

WHEREAS, The Eastern San Joaquin Groundwater Authority (ESJGWA) is a joint powers agency created pursuant to California Government Code section 6500 *et seq.*, and

WHEREAS, Section 5.10 of the ESJGWA Joint Powers Agreement provides “expenditures within the designations and limitations of the applicable approved budget shall be made upon the approval of any officer so authorized by the Authority Board of Directors”; and

WHEREAS, the ESJGWA Board of Directors wishes to designate the Secretary of the Board of Directors as the officer authorized to execute contracts and approve expenditures within the approved budget designations and limitations.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the Eastern San Joaquin Groundwater Authority hereby approves and designates, consistent with the provisions of Section 5.10 of the Joint Powers Agreement, the Secretary of the ESJGWA Board of Directors as the officer authorized to approve expenditures and execute contracts within the designations and limitations of the applicable approved ESJGWA budget without prior Board of Directors approval.

NOW, THEREFORE, BE IT FURTHER RESOLVED, the Secretary is authorized to make administrative changes to any contracts, as needed, including changes to any contract or agreement that results in no-cost time extensions to approved agreements, to ensure the agreements are implemented in the most efficient and cost effective manner possible.

The foregoing Resolution was introduced at a regular meeting of the Eastern San Joaquin Groundwater Authority on the 14<sup>th</sup> day of October 2020. On motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, this Resolution was duly passed by the Board of Directors.

PASSED and ADOPTED this 14<sup>th</sup> day of October, 2020 by the following vote of the Board of Directors of the Eastern San Joaquin Groundwater Authority, to wit:

MOTION:

AYES:

ABSTAIN:

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ATTEST: FRITZ BUCHMAN, P.E., T.E., CFM  
Secretary of the Eastern San Joaquin  
Groundwater Authority

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





# EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

## Memo

**To: Steering Committee and Board**

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

**RE:** Implementation Grants Proposal Solicitation Package

**Date:** September 9, 2020

**Summary:** DWR draft “Proposal Solicitation Package” (PSP) for Proposition 68 Grant funds has been released. Only one proposal can be submitted from any Groundwater Basin and the GWA will need to develop a process to select a preferred project should funding be sought.

**Details:** On July 31, 2020, DWR issued a draft “Implementation Grants Proposal Solicitation Package,” referred to as the “Proposal Solicitation Package” (PSP). (Attachment 1.) The PSP provides information regarding the eligibility, required content, and process for grant applications for Proposition 68 funds for Round 1 and 2 implementation grant solicitations. The PSP establishes two different grant rounds. Round 1 is for eligible critically overdrafted basins. Round 2 is for eligible medium and high priority basins, and underrepresented communities. The funding for these Rounds is as follows:

- **Only one application will be accepted per basin**
- Round 1 funding is \$26 million. Round 1 grant solicitations are tentatively scheduled to open in December 2020 and close in January 2021.
- Round 2 funding is \$77 million (or more). Round 2 grant solicitation are tentatively scheduled to open in spring 2022, with Final Awards to issue in fall 2022.
- Minimum grant amount is \$2 million per basin, while the maximum grant amount is \$5 million per basin.
- Grants require a minimum 25% local cost share, the cost share requirement may be waived or reduced for projects benefitting environmentally distressed, or disadvantaged or severely disadvantaged communities.

Eligible projects must be included in the GSP and include:

- Activities and/or tasks that consist of the development of groundwater recharge projects with surface water, stormwater, recycled water, and other conjunctive use projects.
- Projects that prevent or clean up contamination of groundwater that serves as a source of drinking water.
- Projects and programs that support water supply reliability, water conservation, and water use efficiency and water banking, exchange, and reclamation.

Discussions Items/Questions

- What process should be used to select a preferred project?
- Who should be involved in reviewing and selecting a preferred ESJ project?

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- What criteria should be used to select a preferred project? (e.g.; yield, readiness to proceed, cost/benefit)
  - Who should bear the cost of the grant application?

**Table 6-1: List of SGMA Projects**

Project Name	Project Type	Project Proponent	Measurable Objective Expected to Benefit	Current Status	Time-table (initiation and completion)	Estimated Costs		Required Permitting and Regulatory Process <sup>1</sup>	Expected Groundwater Demand Reduction (AF/year)
						Capital	Annual O&M		
<b>Planned Projects:</b> Projects in this category are planned to be completed and online prior to 2040. The projected supply of projects in this category will be considered as offsetting the projected 2040 supply imbalance.									
Project 1: Lake Grupe In-lieu Recharge	In-lieu Recharge	SEWD	Groundwater levels	Can be implemented immediately	2020-2022	\$2.3 M	\$330,000	Installation for new intake and pipeline requires permits from DFW, CVFPB, RWQCB, and USACE	10,000
Project 2: SEWD Surface Water Implementation Expansion	In-lieu Recharge	SEWD	Groundwater levels	Design phase	2019-2020	\$750,000	\$100,000	Permit approvals from DFW, RWQCB, CVFPB, and USACE by private landowners	19,000
Project 3: City of Manteca Advanced Metering Infrastructure	Conservation	City of Manteca	Groundwater levels	Currently underway	2019-2021	\$650,000	\$300,000	None	272
Project 4: City of Lodi Surface Water Facility Expansion & Delivery Pipeline	In-lieu Recharge	City of Lodi	Groundwater levels	Planning phase	2030-2033	\$4 M	\$2,340,000	SWRCB permitting and CEQA required	4,750
Project 5: White Slough Water Pollution Control Facility Expansion	Recycling/ In-lieu Recharge	City of Lodi	Groundwater levels	Construction complete	2019-2020	\$6 M	\$4,664	None (permitting complete)	115
Project 6: CSJWCD Capital Improvement Program	In-lieu Recharge	CSJWCD	Groundwater levels	Can be implemented immediately	2020-2027, on-going with 7-year completion cycles	\$50,000	\$50,000	Individual applications need CSJWCD Board approval and possible streambed alteration permits	5,000

Project Name	Project Type	Project Proponent	Measurable Objective Expected to Benefit	Current Status	Time-table (initiation and completion)	Estimated Costs		Required Permitting and Regulatory Process <sup>1</sup>	Expected Groundwater Demand Reduction (AF/year)
						Capital	Annual O&M		
Project 7: NSJWCD South System Modernization	In-lieu Recharge	NSJWCD	Groundwater levels	Environmental review is complete, funding has been sought and a landowner improvement district formed	2018-2023	\$9 M	\$250,000	Permits for pump station work have been completed; minor grading and road encroachment permits may be needed	4,500
Project 8: Long-term Water Transfer to SEWD and CSJWCD	Transfers/ In-lieu Recharge	SSJ GSA	Groundwater levels	Infrastructure is in place. Environmental Review may need to be implemented	2019-2021	N/A	\$9 M	Project must comply with CEQA	45,000
<b>Total Planned</b>									<b>88,637</b>
<b>Potential Projects:</b> Projects in this category represent a “menu of options” for the Subbasin to achieve long-term sustainability and offset the remaining imbalance above and beyond implementation of the “planned” projects.									
Project 9: BNSF Railway Company Intermodal Facility Recharge Pond	Direct Recharge	CSJWCD	Groundwater levels	Planning phase	2020-2023	\$150,000	\$50,000	Streambed alteration permit	1,000
Project 10: City of Stockton Advanced Metering Infrastructure	Conservation	City of Stockton	Groundwater levels	Initial study completed in 2011	2020/25-2025/28	\$11 M	\$550,000	Not determined	2,000

Project Name	Project Type	Project Proponent	Measurable Objective Expected to Benefit	Current Status	Time-table (initiation and completion)	Estimated Costs		Required Permitting and Regulatory Process <sup>1</sup>	Expected Groundwater Demand Reduction (AF/year)
						Capital	Annual O&M		
Project 11: South System Groundwater Banking with EBMUD	In-lieu Recharge	NSJWCD	Groundwater levels	Agreement is in place; parties need to finalize design. Environmental review and permitting needed	2020-2025	\$5 M	\$400,000	SWCRB change petition for Permit 10478 and San Joaquin County groundwater export permit, and regulatory permits as needed	4,000
Project 12: NSJWCD North System Modernization/ Lakso Recharge	In-Lieu Recharge/ Direct Recharge	NSJWCD	Groundwater levels	Planning phase	2021-2026	\$7 M	\$150,000	Regulatory permits as needed	2,600
Project 13: Manaserro Recharge Project	Direct Recharge	NSJWCD	Groundwater levels	Planning phase	2019-2022*	\$300,000	\$400,000	CEQA review, possible grading permit, possible water right change petition	8,000
Project 14: Tecklenburg Recharge Project	Direct Recharge	NSJWCD	Groundwater levels	Planning phase	2020-2023**	\$1 M	\$400,000	CEQA review and possible grading permit	8,000
Project 15: City of Escalon Wastewater Reuse	Recycling/ In-lieu Recharge/ Transfers	SSJ GSA	Groundwater levels	Planning phase	2020-2028	\$18 M	\$400,000	CEQA review, RWQCB permits, and road encroachment permits	672

Project Name	Project Type	Project Proponent	Measurable Objective Expected to Benefit	Current Status	Time-table (initiation and completion)	Estimated Costs		Required Permitting and Regulatory Process <sup>1</sup>	Expected Groundwater Demand Reduction (AF/year)
						Capital	Annual O&M		
Project 16: City of Ripon Surface Water Supply	In-lieu Recharge	SSJ GSA	Groundwater levels	Design complete; environmental permitting underway	2020-2024	\$8.6 M	N/A	NEPA Categorical Exclusion, CEQA Mitigated Negative Declaration, and road encroachment permits	6,000
Project 17: City of Escalon Connection to Nick DeGroot Water Treatment Plant	In-lieu Recharge	SSJ GSA	Groundwater levels	Conceptual design phase; environmental review complete	2020-2023	\$8,789,000	\$250,000	Road encroachment permits	2,015
<b>Total Potential</b>									<b>32,287</b>
<b>Longer-term or Conceptual Projects:</b> Projects in this category represent potential future projects that could conceptually provide a benefit to the Subbasin in the future, but that would need to be further developed.									
Project 18: Farmington Dam Repurpose Project	Direct Recharge	SEWD	Groundwater levels	Preplanning phase with reconnaissance study complete	2030-2050	\$175 M	\$2 M	Permits and approvals from SWRCB, USBR, DFW, RWQCB, CVFPB, and USACE	30,000
Project 19: Recycled Water Transfer to Agriculture	Recycling/Transfers/ In-lieu Recharge	City of Manteca	Groundwater levels	Planning phase with evaluation completed in Draft Reclaimed Water Facilities Master Plan	Not determined	\$37,645,000	\$679,000	NPDES Permit amendment, CEQA review, and SWRCB approval	5,193
Project 20: Mobilizing Recharge Opportunities	Direct Recharge	San Joaquin County	Groundwater levels	Early conceptual planning phase	Not determined	Not determined	Not determined	Not determined	Not determined

Project Name	Project Type	Project Proponent	Measurable Objective Expected to Benefit	Current Status	Time-table (initiation and completion)	Estimated Costs		Required Permitting and Regulatory Process <sup>1</sup>	Expected Groundwater Demand Reduction (AF/year)
						Capital	Annual O&M		
Project 21: NSJWCD Winery Recycled Water	Recycling/ In-Lieu Recharge/ Direct Recharge	NSJWCD	Groundwater levels	Conceptual planning and discussion	2025-2027	\$1.5 M	\$100,000	WDR permitting through the RWCQB and minor permits for pipeline construction	750
Project 22: Pressurization of SSJID Facilities	Conservation	SSJ GSA	Groundwater levels	Feasibility study complete	2019-2030	\$328 M	\$8.5 M	CEQA review and road encroachment permits	30,000
Project 23: SSJID Storm Water Reuse	Storm Water/ In-lieu Recharge/ Direct Recharge	SSJ GSA	Groundwater levels	Planning phase	2027-2030	\$30 M	\$30,000	CEQA review and road encroachment permits	1,100
<b>Total Longer-term or Conceptual</b>									<b>67,043</b>

<sup>1</sup> Acronyms defined: Stockton East Water District (SEWD), Central San Joaquin Water Conservation District (CSJWCD), North San Joaquin Water Conservation District (NSJWCD), California Department of Fish and Wildlife (DFW), Central Valley Flood Protection Board (CVFPB), Regional Water Quality Control Board (RWQCB), and U.S. Army Corps of Engineers (USACE), State Water Resources Control Board (SWRCB), California Environmental Quality Act (CEQA), U.S. Bureau of Reclamation (USBR), National Pollutant Discharge Elimination System (NPDES), Waste Discharge Requirements (WDR).

\* Project is anticipated to initiate on a pilot basis in 2019 and on a full-scale basis in 2020.

\*\* Project is anticipated to initiate on a pilot basis in 2020 and on a full-scale basis in 2021.



# EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

## Memo

**To: Steering Committee and Board**

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

**RE:** GSPs and Safe Drinking Water

**Date:** September 9, 2020 Discussion Item

**Summary:** A number of entities have reviewed the relationship between GSPs and safe drinking water. The findings could impact the way the state evaluates GSPs now or in the future as to how well they addressed the drinking water issues.

## Details

A UC Davis research team examined the distribution and extent of drinking water users in critically overdrafted groundwater basins. They also reviewed each of the 41 GSPs posted for public comment to assess how the plans reflect engagement with, and consideration of, those drinking water stakeholders.

## Key Findings:

- Although only five of 41 GSPs submitted to the Department of Water Resources for review in January mention the human right to water, and only one of those affirmed it as a consideration in their plan.
- 7444 domestic wells were constructed since 1975 in the Eastern San Joaquin Subbasin. That is 21% of all the domestic wells identified in the GSPs reviewed. The Eastern San Joaquin Subbasin also has 19% of all identified public supply wells and 13% of all public water systems.
- Many submitted GSPs share several major gaps when it comes to drinking water, these include:
  - Lacked Minimum Thresholds for key contaminants that affect public health.
  - The Minimum Thresholds for groundwater levels set in submitted GSPs have water levels continuing to decline nearly everywhere and do not assess the effects to drinking water systems.
  - GSPs often lacked descriptions of drinking water users in their area. This was particularly true for domestic wells, for which 66% of submitted plans omitted information about the number and/or locations of these beneficial users.
  - Stakeholder engagement and participation was addressed in most plans yet discussion of how feedback was incorporated into final plans was often lacking. Few plans addressed stakeholder engagement for plan implementation with any detail.
  - Very few plans (15%) mentioned drinking water affordability, a central tenant to California's human right to water.
  - Most plans do not propose projects or management actions with drinking water or Disadvantaged Community (DAC) benefits.



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There were important instances where drinking water was thoroughly incorporated. Examples from specific GSPs include:

- Aligning Minimum Thresholds for water quality with state drinking water standards
- Proposing projects that foster water supply reliability for DACs
- Assessing the risk of, and developing mitigation plans for, negative impacts to shallow domestic wells
- Ensuring the integration of drinking water stakeholder voices in decision-making through voting board representation and stakeholder committees.

In a separate study, the Water Foundation commissioned an analysis of 26 GSPs in the San Joaquin Valley to understand how private domestic drinking water wells in the region will be affected on the path to sustainability. The report documents the potentially severe effects of groundwater overdraft on the lives and livelihoods of residents, farmworkers, and rural households. The report provides maps showing EJS basin: 1) drinking water wells likely dewatered at management objective water levels, 2) estimated population at risk of losing drinking water wells and management objective water levels, 3) drinking water wells likely dewatered at minimum threshold water levels, and 4) estimated population at risk of losing drinking water well at minimum threshold water levels.

Key Findings:

- Between roughly 4,000 and 12,000 drinking water wells will go partially or completely dry by 2040
- Between roughly 46,000 and 127,000 people will lose some or all of their current water supply by 2040
- It will cost between \$88 million to \$359 million to restore access to drinking water

Separate numbers for San Joaquin Basin were not provided.

References:

**[SGMA and the Human Right to Water: How do submitted Groundwater Sustainability Plans address drinking water?](#)**

Posted on August 9, 2020 by Kristin Dobbin, Darcy Bostic, Michael Kuo and Jessica Mendoza. Full report is at <https://environmentalpolicy.ucdavis.edu/sites/g/files/dgvnsk6866/files/files/person/Final%20Report%20-%20English.pdf>

Groundwater Management and Safe Drinking Water in the San Joaquin Valley. Analysis of Critically Over-drafted Basins' Groundwater Sustainability Plans. Water Foundation. June 2020.

<https://waterfdn.org/groundwater-management-and-safe-drinking-water-in-the-san-joaquin-valley/>