

**EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**  
**Joint Exercise of Powers**  
**Board of Directors Meeting**

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**AGENDA**

**Wednesday, July 12, 2017**

**10:15 a.m. – 12:00 p.m.**

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

- I. Call to Order/Pledge of Allegiance & Safety Announcement/Roll Call**
- II. SCHEDULED ITEMS**
  - A. Discussion/Action Items:**
    - 1. Election of Officers
    - 2. Approval of Minutes of June 14, 2017
    - 3. Discussion and Possible Action Adopting FY 2017-18 Budget
    - 4. Discussion and Possible Action to Direct Staff to Work with GSAs on Consultant Selection Process for GSP Scoping (See Attached)
    - 5. Update on Potential Upcoming Public Hearing for Authority’s Proposed Conflict of Interest Code (See Attached)
    - 6. Discussion and Possible Action to Direct Staff to Maintain and Update [www.esjgroundwater.org](http://www.esjgroundwater.org)
    - 7. Discussion and Possible Action to Direct Staff to Submit Application to DWR for Facilitation Services (See Attached)
    - 8. Discussion and Possible Action to Adopt Bylaws for the Eastern San Joaquin Groundwater Authority (See Attached)
  - B. Informational Items:**
    - 1. June 19, 2017, email to Heather Shannon, Department of Water Resources, “Comments Regarding Draft PSP for Groundwater Sustainability Plans”
    - 2. June 23, 2017, [ww2.kqed.org](http://ww2.kqed.org), “State Water Chief, the Face of the Oroville Spillway Crisis, Steps Down”
    - 3. July 3, 2017, [sciencenews.org](http://sciencenews.org), “Snow and Rain Tug on Earthquake Faults in California”
- III. Public Comment**
- IV. Directors Comments**

*(Continued on Page 2)*

**EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**  
**Joint Exercise of Powers**  
**Board of Directors Meeting**  
**AGENDA**  
*(Continued)*

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**V. Future Agenda Items**

**VI. Adjournment**

**Next Regular Meeting**

**August 9, 2017**

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

**Action may be taken on any item**

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

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

**Eastern San Joaquin Groundwater Authority  
Board Meeting Summary  
Wednesday, June 14, 2017**

**I. Call to Order/Pledge of Allegiance & Safety Announcement:** The Eastern San Joaquin Groundwater Authority (Authority) Board meeting was convened at 9:35 a.m., on June 14, 2017, at the Robert J. Cabral Agricultural Center, 2101 E. Earhart Ave. Stockton, CA. The pledge of allegiance was conducted. Ms. Lynn Hoffman provided the required safety information.

**Roll Call:**

In attendance were Directors Biagi, Fletcher, Flinn, Herrick, McCoy, Milleman, Panizza, Rietkerk, Silverman, Thomas, Thompson, Winn, Alternates Heberle, Henry, Swimley, and Secretary Kris Balaji. Roll was taken and a quorum was present.

**II. SCHEDULED ITEMS**

- A. Introductions:** Each representative of the Authority Board introduced themselves. Mr. Rod Attebery, attorney from Neumiller and Beardsley introduced himself and his colleague, Ms. Monica Streeter and stated County, as Administrator of the Authority's JPA, has asked Neumiller and Beardsley act as counsel to assist with establishment and governance matters of the JPA.
- B. Oath of Office:** Mr. Ken Vogel, former San Joaquin County Supervisor and former Chair of the Eastern San Joaquin Groundwater Basin Authority, administered the Oath of Office for the new Authority Board. He offered words of encouragement, recognizing the need to work together to meet the challenges ahead with water issues in the State of California.
- C. Election of Officers:** Mr. Vogel asked for recommendations for Chair to the Authority Board. Mr. Rietkerk suggested to defer filling officer positions until all official representatives of the Authority Board could participate in the election process.

Motion: The Authority Board unanimously voted to elect Chair and Vice Chair positions on an interim basis (Silverman/Swimley).

Motion: Director Winn was nominated and unanimously approved as Interim Chair (Panizza/Thompson). For position of Interim Vice Chair, Director Panizza was nominated and unanimously approved (Thompson/Flinn).

- D. SGMA Overview:** Mr. Nakagawa gave a brief overview of the Sustainable Groundwater Management Act (SGMA). His presentation consisted the following highlights:
- SGMA Legislation and Basin Priority Levels
  - Role of Groundwater Sustainability Agencies (GSAs)
  - Undesirable Results to be Addressed through Sustainable Groundwater Management Efforts
  - Critical Upcoming SGMA Milestones
  - Roadmap to Sustainable Groundwater
- E. Discussion/Action Items:**
1. **Discussion and Possible Action Authorizing Staff to Submit Required Paperwork Pertaining to Creation of Joint Exercise of Powers Agreement (JPA) to the Office of the California Secretary of State (State).**

Motion: The Board voted unanimously directing staff to submit required paperwork on behalf of the JPA to the State (Panizza/Fletcher).

**2. Discussion and Possible Action Adopting Bylaws for the Eastern San Joaquin Groundwater Authority.** Mr. Nakagawa referenced the draft Bylaws and stated that the Authority may form an advisory or work group that could discuss and finalize the draft. Mr. Attebery stated that the draft Bylaws were generated from a commonly used basic template, but will require Board customization to finalize, such as a standing meeting schedule, the formation of an advisory group, should the Board elect to do so, and rules of order. Mr. Attebery invited the Directors to submit to him any potential revisions or comments. The Directors offered no further discussion on the Bylaws. Acting Chair Winn suggested that the SGMA Work Group further discuss the draft Bylaws following this meeting.

**3. Discussion and Possible Action Authorizing Staff to Submit Invoices of \$5,000 per the Authority's Joint Exercise of Powers Agreement (JPA).** Mr. Nakagawa reiterated that by signing the JPA, each participating GSA agreed to the initial \$5,000 contribution to the Authority. He asked that the Board authorize staff to proceed with the process to invoice and collect the contribution from each member agency.

Motion: The Board voted unanimously in favor of this action and directed staff to mail invoices of \$5,000 to each member agency for initial contribution dues. (Henry/Swimley)

**4. Discussion and Possible Action Authorizing Staff to Submit Written Comments in Response to the Department of Water Resources (DWR) Draft Proposal Solicitation Package (PSP) for Groundwater Sustainability Plans (GSPs) and Projects.** Mr. Nakagawa explained that the DWR published its Draft PSP package for potential grant funding for the development of GSPs and public comments are due by June 19, 2017. He mentioned the SGMA Work Group would also be discussing the PSP following this meeting. He reviewed the topic areas addressed in the draft comments: (1) Limitations on an applicant with jurisdiction over multiple basins; (2) Final deliverable given DWR's two-year GSP review process; (3) Applicant eligibility criteria to apply to all members of a JPA; and (4) Short timeframe for Grant Application filing.

Motion: Alternate Heberle moved and Director Flinn seconded a motion directing staff to send the comments via email in response to DWR's draft PSP for GSP and Projects on behalf of the Authority, pending any edits provided by the SGMA Work Group.

**5. Discussion and Possible Action Adopting Mission Statement of Authority.** Mr. Nakagawa referred to the draft Mission Statement distributed in the agenda packet and stated the Authority may wish to have the SGMA Work Group further discuss it. Acting Chair Winn emphasized the importance of the mission statement and strongly recommended that it be achievable and with defined goals. The Board discussed the draft and members expressed interest in the SGMA WG further discussing it.

#### **F. Informational Items:**

**1. Authority Budget Considerations.** Mr. Nakagawa stated that the County has set up an independent fund for the JPA which is separate from County funding, Zone No. 2, the Eastern San Joaquin Groundwater Basin Authority (GBA), and it is also separate from any other member agency accounts which may be held with the County. The next step is to provide County Auditor's office with a budget. Yet to be considered is the use for the

\$5,000 initial contributions and the funding of future meetings. Staff will propose budget recommendations for next meeting. Director Flinn asked whether the topic of consolidating meetings will be considered. Mr. Nakagawa replied that it will be considered separately at the next meeting given that the GBA has a separate Board and funding source.

2. **Website and Branding of the Authority.** Mr. Nakagawa displayed the GBA website, pointing out that this site hosted the Authority's agenda for today's meeting; however, a discussion will need to be held regarding where to post this Authority's future Agendas and Minutes. It will be discussed in more detail at the next meeting.
3. - 6. **Discussion on Attached News Articles:** Acting Chair Winn called attention to the article provided titled "Public Support for Water Investment Depends How You Ask the Question" and suggested that as soon as possible the Authority discuss the avenue to take regarding potential revenues based on future costs that will be incurred for the GSP, as well as for changes that will be required for sustainability. He stated that he found the article interesting as it related to public support on the subject. He also stated that nearly all places he visits, water matters are discussed by the public, whether about drought, flooding & levees, the function and purpose of waterways, etc.

### **III. PUBLIC COMMENTS**

Acting Chair Winn opened the meeting for public comments. Mr. Walter Ward of Stanislaus County asked about the nature of the relationship and role between this Authority and the SGMA WG. He pointed out that Authority members may also be SGMA WG members and wanted guidance on discussions and decisions given that a quorum of the Authority may exist in SGMA WG meeting which follows. Mr. Attebery replied that the SGMA WG is not a direct advisory to this Authority. He followed by stating that if this new Authority desires to have an advisory group, then a standing committee to this JPA will need to be established. He confirmed Mr. Ward's understanding that the standing committee shall not have a quorum of the Authority to which it will advise.

### **IV. DIRECTORS COMMENTS**

Acting Chair Winn closed with an update regarding the Twin Tunnels. He stated that on the various coalitions and boards he meets with that the discussions on the Twin Tunnels is becoming more active and that more collaboration is taking place in trying to find a solution to the statewide water issue. He concluded by stating that he looks to this group and the SGMA Work Group as an incubator for ideas for solutions.

### **V. FUTURE AGENDA ITEMS**

Secretary Balaji encouraged the group to take advantage of the time between meetings to reach out to staff to work out issues and answer questions as future agenda items are considered. He reiterated the Authority's goal of conducting business by consensus.

**Next Regular Meeting:** July 12, 2017, at 9:30 a.m. San Joaquin County – Robert J. Cabral  
Agricultural Center 2101 E. Earhart Ave., Assembly Rm. #1, Stockton, California

**Adjournment:** Mr. Attebery stated that a notary is onsite to notarize the Oath of Office for the Director and Alternate of each member agency. Acting Chair Winn adjourned the meeting at 10:30.

**Submitted by:** Kelly Villalpando, San Joaquin County

# EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY

## Joint Exercise of Powers Board of Directors Meeting

### MEETING ATTENDANCE RECORD

Location: SJ COUNTY ROBERT J. CABRAL AG CENTER Date: 06/14/17 Time: 9:30 AM

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Dan Barry	SJC PW WR	dbarney@sjgov.org	468-3089
H. Lynn Hoffman	SJC PW WR	hlynnhoffman@sjgov.org	468-3531
Charlie Simmlay	City of Lodi for Alameda	csimmlay@lodi.ca.gov	333-6706
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Russ Thompson	CCWD	rthompsonccwd@hjsm.com	
Melkyth	COS		
Rich Silverman	Manteca		
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Tom Flinn	NSJWCD		
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Benedict Nakagawa	SJC PW WR	bnakagawa@sjgov.org	953-7460

**ATTACHMENT II**  
**A.4.**



Sustainable Groundwater  
Planning Grant Program



# Proposal Solicitation Package For Groundwater Sustainability Plans and Projects



California Natural Resources Agency  
Department of Water Resources  
Division of Integrated Regional Water  
Management

Draft  
May 2017



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## FOREWORD

The California Department of Water Resources (DWR) is administering the Sustainable Groundwater Planning (SGWP) Grant Program using funds authorized by the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1). This document is the Proposal Solicitation Package (PSP) for Groundwater Sustainability Plans (GSPs) and Projects.

This document is not a stand-alone document and the applicant will need to refer to the 2015 SGWP Grant Program Guidelines (Guidelines) for additional information. Potential applicants are encouraged to read both the Guidelines and PSP prior to deciding to submit an application. The 2015 Guidelines can be found at the following link: <http://www.water.ca.gov/irwm/grants/sgwp/guidelines.cfm>.

A complete list of acronyms and abbreviations, and a glossary of terms used throughout this PSP are available in the Guidelines.

### Grant Program Website and Other Useful Links

This document as well as other pertinent information about the SGWP Grant Program can be found at the following link: <http://www.water.ca.gov/irwm/grants/sgwp/>.

Other useful links are identified below.

- Sustainable Groundwater Management Act (SGMA):  
[https://leginfo.legislature.ca.gov/faces/codes\\_displayexpandedbranch.xhtml?tocCode=WAT&division=6.&title=&part=2.74.&chapter=&article=](https://leginfo.legislature.ca.gov/faces/codes_displayexpandedbranch.xhtml?tocCode=WAT&division=6.&title=&part=2.74.&chapter=&article=)
- GSP Regulations:  
[https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=174F39D13C76F497DB40E93C75FC716AA&originationContext=documenttoc&transitionType=Default&contextData=\(sc.Default\)%20](https://govt.westlaw.com/calregs/Browse/Home/California/CaliforniaCodeofRegulations?guid=174F39D13C76F497DB40E93C75FC716AA&originationContext=documenttoc&transitionType=Default&contextData=(sc.Default)%20)
- California's Groundwater: Bulletin 118: <http://water.ca.gov/groundwater/bulletin118/update.cfm>
- Basin Prioritization: [http://www.water.ca.gov/groundwater/casgem/basin\\_prioritization.cfm](http://www.water.ca.gov/groundwater/casgem/basin_prioritization.cfm)
- Critically Overdrafted Basins: <http://www.water.ca.gov/groundwater/sgm/cod.cfm>
- Groundwater Sustainability Agency (GSA) Formation: <http://water.ca.gov/groundwater/sgm/gsa.cfm>
- Disadvantaged Community (DAC) Mapping Tool:  
[http://www.water.ca.gov/irwm/grants/resources\\_dac.cfm](http://www.water.ca.gov/irwm/grants/resources_dac.cfm)
- Economically Distressed Area (EDA) Mapping Tool:  
[http://www.water.ca.gov/irwm/grants/resources\\_eda.cfm](http://www.water.ca.gov/irwm/grants/resources_eda.cfm)
- Best Management Practices (BMP): <http://water.ca.gov/groundwater/sgm/bmps.cfm>
- GSP Regulations Guide: [http://water.ca.gov/groundwater/sgm/pdfs/GSP\\_Final\\_Regs\\_Guidebook.pdf](http://water.ca.gov/groundwater/sgm/pdfs/GSP_Final_Regs_Guidebook.pdf)

### E-Mail List

In addition to the website, DWR will distribute information via e-mail. If you are not already on the SGWP Grant Program e-mail contact list, please use the following link to be added to the list: <http://water.ca.gov/irwm/grants/sgwp/subscription.cfm>.

### Contact Information

For questions about this document, or other technical issues, please contact DWR's Financial Assistance Branch at (916) 651-9613 or by e-mail at: [SGWP@water.ca.gov](mailto:SGWP@water.ca.gov).

### Due Date

The complete application must be submitted during the first open filing phase between August 2017 and October 2017 or during the second open filing phase, tentatively scheduled for December 2017 through January 2018.

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## I. INTRODUCTION

DWR is administering the SGWP Grant Program, using funds authorized by Proposition 1, to encourage sustainable management of groundwater resources that support SGMA. SGMA was signed into law in 2014 and amended the Water Code (Part 2.74 of Division 6 of the Water Code, Sections 10720-10737.8). SGMA provides the framework for sustainable groundwater management planning and implementation. SGMA text can be found at the link listed in the Foreword.

SGMA fosters sustainable groundwater management in California's designated high and medium priority groundwater basins or subbasins, hereinafter referred to as basins, by requiring local public agencies and Groundwater Sustainability Agencies (GSAs) to develop and implement GSPs or alternatives to GSPs (Alternative Plan). The regulations for the evaluation of GSPs and Alternative Plans, the implementation of GSPs and Alternative Plans, and coordination agreements between GSAs and/or stakeholders are hereinafter referred to as the GSP Regulations. The GSP Regulations were approved by the California Water Commission on May 18, 2016, and are codified in the California Code of Regulations (CCR), Title 23, Division 2, Chapter 1.5, Subchapter 2; found at the link listed in the Foreword.

DWR previously issued the Guidelines that will be used to administer this grant solicitation. The Guidelines provide general information regarding program and eligibility requirements. This PSP is making a total of approximately \$86.3 million available. The PSP contains specific information regarding the process, eligibility, and required content for grant proposals. Potential applicants are encouraged to read both the Guidelines and PSP prior to deciding to submit an application. The Guidelines can be found at the link listed in the Foreword.

## II. FUNDING

Proposition 1 authorized \$100 million to be made available for competitive grants for projects that develop and implement groundwater plans and projects in accordance with groundwater planning requirements established under Division 6 (commencing with Section 10000) (Water Code Section 79775). Proposition 1 also requires that at least 10 percent (%), of the authorized \$100 million (\$10 million), be made available to projects that serve Severely Disadvantaged Communities (SDACs), defined as communities with a median household income (MHI) of less than 60% of the Statewide MHI.

DWR will solicit proposals to award funding on a competitive basis in two funding categories. Table 1 presents the funding information for both categories:

- Category 1 – SDAC Projects
- Category 2 – Groundwater Sustainability Plans, which has two tiers
  - Tier 1 - Critically overdrafted basins
  - Tier 2 - All other high and medium priority basins

Table 1 presents the funding information for both categories, as well as for both Tiers. Categories are described further in Section III B.

Funding Category		Total Funding	Maximum Grant Amount*
Category 1		At least \$10 million	\$1 million per project
Category 2	Tier 1	At least \$15 million, but not more than \$30 million	\$1.5 million per basin
	Tier 2	At least \$46.3 million, but not more than \$61.3 million	\$ 1 million per basin

\*Minimum grant amount that can be requested is \$50,000.



## A. Cost Share

Proposition 1 requires a minimum cost share of 50% of the total project cost. Project expenses must be incurred after May 18, 2016, to be considered as cost share. The cost share for projects benefiting a SDAC, DAC, or EDA may be waived or reduced. For definitions of SDAC, DAC, and EDA, see Appendix B of the Guidelines.

DWR will use the information presented in the Applications to evaluate whether the project provides benefits to a SDAC, DAC or an EDA to determine whether the required cost share is waived or reduced (see Appendices E and F of the Guidelines for additional details).

## B. Eligible Costs and Payment

Costs incurred by grant recipients after July 1, 2017 must meet the conditions outlined in Section V.I of the Guidelines and the definitions of “local costs share” and “reimbursable costs” contained in Appendix B of the Guidelines to be considered for cost share or reimbursement. DWR’s standard method of payment is reimbursement in arrears and Section V.I of the Guidelines states that no advance funds will be provided. Notwithstanding that statement and consistent with Water Code Section 10551, DWR will consider advance payment requests for Category 1 projects (SDAC Project), if the following requirements are met:

- The project is sponsored by a nonprofit organization, DAC, or proponent of a project that benefits a DAC
- The grant award is less than \$1 million
- The project is included and implemented in an Integrated Regional Water Management Plan (IRWM)

See Appendix A for more detail regarding advanced payment.

## III. ELIGIBILITY

Applications for SGWP grants must meet all applicable eligibility criteria to be considered for grant funding, see Guidelines Section III. Eligibility requirements are listed below and identified in Questions 4 through 8 in Section V, Table 3 of this PSP.

### A. Eligible Applicant

Eligible applicants for Category 1 proposals are public agencies, non-profit organizations, public utilities, federally recognized Indian tribes, California Native American Tribes, and mutual water companies (Water Code Section 79712.(a-b)). See Appendix B of the Guidelines for definition of these terms for eligible applicant.

Eligible applicants for Category 2 proposals are GSAs for the respective basin for which the application is submitted. For Category 2 proposals, only one application will be accepted per basin. However, an applicant with jurisdiction over multiple basins must submit one consolidated application and may request up to \$500,000 for additional basins, in addition to the maximum grant amount identified in Table 1.

For Category 2 proposals, the grant applicant is the agency submitting the application on behalf of the basin. The grant applicant is also the agency that would enter into an agreement with the State, should the application be successful. If there is more than one eligible agency within a basin, an eligible agency may be part of the proposal as a project proponent, but must identify a single entity that will act as the grant applicant and submit a basin-wide application and receive the grant on behalf of the basin. Project proponents would access grant funding through their relationship with the grant applicant, at DWR’s discretion.

### B. Eligible Project Types

Category 1 and Category 2 projects must address a DWR Bulletin 118 (2016) basin or a non-adjudicated portion of a basin that are designated by DWR as high or medium priority basins.

**Category 2 projects located in basins determined to be probationary under SGMA by State Water Resources Control Board are not eligible for this grant program.**

Category 2 projects located in a basin in which an Alternative Plan was submitted are not eligible for funding. However, an applicant may withdraw the Alternative Plan submittal before the close of the first open filing phase to be eligible for funding under this PSP.

Please check links for additional information on Bulletin 118, Basin Prioritization, Critically Overdrafted Basins, and GSA Formation provided in the Foreword.

### **1. Category 1 – SDAC Projects**

Eligible projects must serve SDACs and support groundwater sustainability in the basin. Eligible Category 1 projects include but are not limited to the following examples:

- Vulnerability assessments
- Develop feasibility studies to evaluate sustainable groundwater management projects for SDACs
- Design and environmental planning of sustainable groundwater management projects for SDACs
- Technical assistance for SDACs to gather information and participate in groundwater sustainability planning activities
- Evaluate the groundwater management needs of SDACs, including actions that foster engagement of SDACs in sustainable groundwater planning activities
- Install and instrument a groundwater production well
- Connect communities on degraded groundwater to municipal supplies
- Retrofit existing groundwater well system to have water treatment capabilities
- Installation of meters on groundwater production wells
- Instrumentation of monitoring wells with pressure transducers

### **2. Category 2 – Groundwater Sustainability Plans**

Eligible project types include those activities associated with the planning, development, or preparation of GSP(s) that will comply with and meet the requirements of the GSP Regulations.

## **IV. SOLICITATION PROCESS AND SCHEDULE**

This grant solicitation will use an open filing approach, which will include two-phases, if necessary. The first phase of the solicitation will be open for nine weeks with anticipated grant awards in Winter 2017. If all funds are not awarded in phase one, DWR will open a second phase of solicitation to award the remaining funds. The anticipated schedule for this grant solicitation is presented in Table 2. Any change or update to the schedule will be posted on the DWR website. Updates may also be notified through e-mail announcements. If you are not already on the SGWP Grant Program e-mail contact list, please use the link listed in the Foreword.



Table 2 – Schedule for 2017 SGWP Grant Solicitation	
Milestone or Activity	Schedule <i>Italics denote tentative dates</i>
Release of Draft PSP for GSPs and Projects for public review	May 10, 2017
Public Meetings: Three public meetings will be held in June 2017. Please check the link below for dates and locations. <a href="http://water.ca.gov/irwm/grants/sgwp/upcomingevents.cfm">http://water.ca.gov/irwm/grants/sgwp/upcomingevents.cfm</a>	June 2017
Draft PSP for GSPs and Projects Public Comment Deadline	June 19, 2017
Release of Final PSP for GSPs and Projects /Phase 1 solicitation opens for Continuous Filing	August 2017
Applicant Workshop(s): Dates and locations to be provided in the Final PSP.	TBD
End of Phase 1 Continuous Filing: Grant Applications must be submitted via GRanTS	October 2017
Release of Phase 1 Funding Awards	December 2017
Tentative Phase 2 Solicitation Continuous Filing: Grant Applications must be submitted via GRanTS	December 2017 through January 2017
Release of Funding Awards*	TBD
*Date will be determined depending on remaining funds and number of applications received	

## V. APPLICATION INSTRUCTIONS

This section provides instructions for preparing and submitting an application. The Application Instructions section consists of two subsections: A) *What to Submit* and B) *How to Submit*. It is important that the applicants follow the Application Instructions to ensure that their application will address all of the required elements. Applicants are reminded that once the application has been submitted to DWR, any privacy rights as well as other confidentiality protections afforded by law with respect to the application package will be waived.

### A. What to Submit

Applicants must submit a complete SGWP Grant Application during the continuous filing phase shown in Table 2. The grant application consists of four sections or “Tabs”, as follows:

- Applicant Information Tab
- Projects Tab
- Questions Tab
- Attachments Tab

Additional details regarding the Tabs is outlined in Section V, Table 3 – Grant Application Checklist, which is provided as a guide for the applicants to ensure that they have submitted the required information for a complete application.

Category 1 proposals may be submitted separately or can be included with a Category 2 proposal. In the event that an applicant submits an application for multiple projects, the applicant must ensure that the “Tabs” are complete for each of the projects within the grant application. For example, Category 1 proposals may include separate projects for different SDACs within a basin; Category 2 proposals may include multiple projects for GSP development executed by different GSAs within a basin. However, as identified in Table 1, Category 2 proposals may include multiple projects with the project budgets collectively not exceeding \$1.5 million for critically overdrafted basins or not exceeding \$1 million for other high or medium priority basins, respectively.

### B. How to Submit

Applicants must submit a complete application online using DWR’s Grant Review and Tracking System (GRanTS) electronic submittal tool. GRanTS can only be accessed with Internet Explorer and Google Chrome. The online GRanTS application will be available for use and can be found at the following link: <http://www.water.ca.gov/grants/>.

The name of this PSP in GRanTS is “2017 SGWP PSP”. To access this PSP, applicants must register and have an account in GRanTS, if they have not already done so. The online application will be available no later than August XX, 2017.

Applicants are encouraged to watch the "How to Register" and the "How to Complete a Grant Application" videos and review the GRanTS Public User Guide and Frequently Asked Questions, available at the above link, prior to completing the online application. If an applicant has questions as to the content or the information requested in the PSP, or questions or problems with GRanTS, please refer to the phone number or e-mail listed in the Foreword.

Within GRanTS, pull down menus, text boxes, or multiple-choice selections will be used to receive answers to the questions. GRanTS will allow applicants to type text or cut and paste information from other documents directly into a GRanTS submittal screen.

When uploading an attachment in GRanTS, the following attachment title naming convention must be used:

Att#\_2017SGWPC#\_ AttachmentName\_#ofTotal#

Where:

- "Att#" is the attachment number
- "2017SGWPC1" is the code for Category 1 proposals
- "2017SGWPC2" is the code for Category 2 proposals
- "2017SGWPC1&2" is the code a proposal that contains both Category 1 and 2 projects
- "AttachmentName" is the name of the attachment as specified in Section V.B.2 – Attachment Tab Instructions
- "#ofTotal#" identifies the number of files that make up an attachment, where "#" is the number of a file and "Total#" is the total number of files submitted in the attachment

For example, if the Attachment 1 – Authorizing Documentation for a project eligible under Category 1 is made up of three files, the second file in the set would be named "Att1\_2017SGWPC1\_AuthDoc\_2of3".

File size for each attachment submitted via GRanTS is limited to 2 gigabytes (GB). Breaking documents into components such as chapters or logical components so that files are less than 2 GB will aid in uploading files. Acceptable file formats are: PDF, MS Word, MS Excel, or MS Project. PDF files should be generated, if possible, from the original application file rather than scanned hard copy. All portions of the GRanTS application must be received in the open filing phase. Submittals received outside the open filing phase will not be reviewed or considered for funding.



## 1. Grant Application Checklist

Note: Please provide answers to only the questions listed in Table 3. Do not answer questions that appear on the screen in GGrANTS, but are not listed below unless marked with an asterisk.

<b>Table 3 – Grant Application Checklist</b>	
<b>INFORMATION TAB</b>	
<i>The following information is general and applies to the applicant and the overall proposal. Specific project information should be detailed on separate project tabs provided in the GGrANTS application. Applicants must enter all information listed in the Information Tab of this checklist (Table 3) along with any field marked with an asterisk.</i>	
<b>APPLICANT INFORMATION</b>	
	<b>Organization Name:</b> Provide the name of the Agency/Organization responsible for submitting the application. Should the Proposal be successful, this Agency/Organization will be the Grantee.
	<b>Tax ID:</b> Tax ID is automatically displayed for registered organizations. Verify the applicant's federal tax ID number.
	<b>Point of Contact:</b> <ul style="list-style-type: none"> <li>Select "Existing Register Users" to select the registered user associated with the organization specified above. The rest of the contact information (Division, Address, e-mail, etc.) are auto populated once the above registered user is selected.</li> <li>Select "Add New User" to add an unregistered user. Please select Division (address will be auto populated) and type the First Name, Last Name, E-mail, and Phone (Direct) of the new user. Please note that the e-mail address will be the new user's login name.</li> </ul>
	<b>Point of Contact Position Title:</b> Provide the title of the point of contact person. (Maximum Character Limit: 50)
	<b>Proposal Name:</b> Provide the title of the Proposal. (Maximum Character Limit: 150)
	<b>Proposal Objective:</b> Provide the objective of the Proposal. (Maximum Character Limit: 2,000)
<b>PROPOSAL BUDGET</b>	
<i>For the proposal, the following budget items should be taken from Table 5.</i>	
	<b>Other Contribution:</b> Provide the amount of other funds (such as other State grants) not included in the categories as listed below. If there is no other contribution, enter zero.
	<b>Local Contribution (Cost Share):</b> Provide the total local cost share that will be committed to the Proposal. The SGWP Grant Program requires a minimum local cost share of 50% of total proposal cost unless the project benefits a DAC, SDAC, or an EDA.
	<b>Federal Contribution:</b> Enter Federal funds being used. If none, enter zeros.
	<b>In-kind Contribution:</b> Leave Blank, and include all In-Kind Contributions in the Local Contribution total.
	<b>Amount Requested (Grant Funds Requested):</b> Provide the amount of total grant funds requested.
	<b>Total Proposal Cost:</b> Provide the total proposal cost, in dollars. This amount must agree with the total proposal cost shown in Attachment 5. Total proposal cost is automatically calculated based on the contribution amounts entered above.
<b>GEOGRAPHIC INFORMATION</b>	
GGrANTS requests latitude and longitude in degrees, minutes, and seconds. You may use converters on the web such as <a href="https://www.fcc.gov/media/radio/dms-decimal">https://www.fcc.gov/media/radio/dms-decimal</a>	
	<b>Latitude:</b> Enter the Latitude at the location that best represents the project area.
	<b>Longitude:</b> Enter the Longitude at the location that best represents the center of the project area.
	<b>Longitude/Latitude Clarification:</b> Only use if necessary. (Maximum Character Limit: 250)
	<b>Location:</b> Identify the approximate location that best represents the center of the project area. (Maximum Character Limit: 100)
	<b>County(ies):</b> Provide the county(ies) in which the project is located.
	<b>Groundwater Basins:</b> Provide the groundwater basin(s) as listed in the current version of DWR Bulletin 118 ( <a href="http://www.water.ca.gov/groundwater/bulletin118/update.cfm">http://www.water.ca.gov/groundwater/bulletin118/update.cfm</a> ) in which your project is located. For proposals covering multiple groundwater basins, hold the control key down and select all that apply.
	<b>Hydrologic Regions:</b> Provide the hydrologic region in which the project is located. For proposals covering multiple hydrologic regions, hold down the control key and select all that apply.
	<b>Watershed(s):</b> (Maximum Character Limit: 250) Provide the name of the watershed(s) the groundwater basin underlies. A map of California watersheds can be found at the following link: <a href="http://www.conservation.ca.gov/dlrp/wp/Documents/CALFED_Watershed_Map[1].pdf">http://www.conservation.ca.gov/dlrp/wp/Documents/CALFED_Watershed_Map[1].pdf</a> . If your groundwater basin covers multiple watersheds, you may only provide one "Unique Watershed Number" as listed on the watershed map.
<b>LEGISLATIVE INFORMATION</b>	
	Enter the State Assembly, State Senate, and U.S. Congressional Districts in which the groundwater basin is located. For proposals covering multiple State Assembly, State Senate, and U.S. Congressional Districts, hold the control key down and select all that apply. Maps of these districts are found at <a href="http://www.legislature.ca.gov/legislators_and_districts/legislators/your_legislator.html">http://www.legislature.ca.gov/legislators_and_districts/legislators/your_legislator.html</a> .



Table 3 – Grant Application Checklist

<b>PROJECTS TAB</b>	
<i>This section contains information about the project contained in the Proposal. Applicants must enter all information listed in the Projects Tab of this checklist (Table 3) along with any field marked with an asterisk.</i>	
<b>PROJECT INFORMATION</b>	
<u>Project Name:</u>	Provide the title of the proposal. (Maximum Character Limit: 125 characters)
<u>Implementing Organization:</u>	
<u>Secondary Implementing Organization:</u>	(Maximum Character Limit: 125 characters) As applicable
<u>Proposed Start Date:</u>	
<u>Proposed End Date:</u>	
<u>Scope Of Work:</u>	(Maximum Character Limit: 500 characters)
<u>Project Description:</u>	(Maximum Character Limit: 2,000 characters)
<u>Project Objective:</u>	(Maximum Character Limit: 500 characters)
<b>PROJECT BENEFITS INFORMATION</b>	
<i>Please do not enter any information into GRanTS for the following Project Benefits Questions. They are standard GRanTS questions and cannot be removed, but are unnecessary for SGWP Grant Applicants.</i>	
<u>Benefit Level:</u>	Leave blank.
<u>Benefit Type:</u>	Leave blank.
<u>Benefit:</u>	Leave blank.
<u>Description:</u>	Leave blank.
<u>Measurement:</u>	Leave blank.
<b>PROJECT BUDGET</b>	
<i>For each project, the following budget items should be taken from Table 4.</i>	
If only one project is being proposed, use the "Copy Budget data from Applicant Info" feature to populate previously entered data. Otherwise, enter individual budget items for each project in the same manner as described for the Applicant Information Tab. The sum of the budget items must agree with the total project budget.	
<b>GEOGRAPHIC INFORMATION</b>	
Enter the geographical information for each individual project location (latitude and longitude in degrees, minutes, and seconds).	
<b>LEGISLATIVE INFORMATION</b>	
If only one project is being proposed, use the "Copy Legislative data from Applicant Info" feature to populate previously entered data. Otherwise, enter legislative information for each project in the same manner as described for the Applicant Information Tab. For projects covering more than one district, hold the control key down and select all that apply.	
<b>QUESTIONS TAB</b>	
<i>The answers to these questions will be used in processing the application and determining eligibility and completeness.</i>	
<u>Q1. Project Description:</u>	Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. (25 words or less)
<u>Q2. Project Representative:</u>	Provide the name and details of the person responsible for signing and executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Representative.
<u>Q3. Project Manager:</u>	Provide the name, title, and contact information of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.
<u>Q4. Eligibility:</u>	Has the applicant met the requirements of DWR's CASGEM Program?
<u>Q5. Eligibility:</u>	Is the applicant an agricultural water supplier? If yes, has the applicant submitted a complete Agricultural Water Management Plan (AWMP) to DWR? Has the AWMP been verified as complete by DWR? If the AWMP has not been submitted, please indicate the anticipated submittal date? If the applicant is not an agricultural water supplier, please indicate so and go to Q6.
<u>Q6. Eligibility:</u>	Is the applicant an urban water supplier? If yes, has the applicant submitted a complete Urban Water Management Plan (UWMP) to DWR? Has the UWMP been verified as complete by DWR? If the UWMP has not been submitted, explain and provide the anticipated date for submittal. If the applicant is not an urban water supplier, please indicate so and go to Q7.
<u>Q7. Eligibility:</u>	Is the applicant a surface water diverter? If yes, has the applicant submitted to the State Water Resources Control Board (SWRCB) their surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with Section 5100) of Division 2 of the Water Code? If the reports have not been submitted, explain and provide the anticipated date for meeting the requirements. If the applicant is not a surface water diverter, please indicate so and go to Q8.



**Table 3 – Grant Application Checklist**

<b>Q8. Eligibility:</b> Does the proposal include any of the following activities:	
<ul style="list-style-type: none"> <li>• The potential to adversely impact a wild and scenic river or any river afforded protection under the California or Federal Wild and Scenic Rivers Act</li> <li>• Acquisition of land through eminent domain</li> <li>• Design, construction, operation, mitigation, or maintenance of Delta conveyance facilities</li> <li>• Acquisition of water except for projects that will provide fisheries or ecosystem benefits or improvements that are greater than required currently applicable environmental mitigation measures or compliance obligations</li> <li>• Pay any share of the costs of remediation recovered from parties responsible for the contamination of a groundwater storage aquifer</li> <li>• Projects or groundwater planning activities associated with adjudicated groundwater basins.</li> </ul>	
If yes, please explain. (Maximum Character Limit, per yes answer: 250)	
<b>Q9. DAC or EDA Cost Share Waiver or Reduction:</b> Are you applying for cost share waiver or reduction as a DAC, SDAC, or EDA? Fill out Attachment 7, Attachment 8, or Attachment 9 as appropriate.	
<b>Q10. Project Area Map:</b> Provide a map illustrating the groundwater basin, relevant project features, service area (may represent the area covered by GSP for Category 2), and SDAC, DAC, EDA area, if applicable.	
<b>ATTACHMENTS TAB</b>	
<i>Provide the attachments listed below by attaching files to the GRanTS application. When attaching files, please use the naming convention found in Section V.B of this PSP. Requirements for information to be included in these attachments are found in Section V.B.2 of this PSP.</i>	
Attachment #	Attachment Title
Attachment 1	Authorization
Attachment 2	Eligibility Applicant Documentation
Attachment 3	Project Justification
Attachment 4	Work Plan
Attachment 5	Budget
Attachment 6	Schedule
Attachment 7	Disadvantaged Community (if applicable)
Attachment 8	Economically Distressed Area (if applicable)
Attachment 9	Severely Disadvantaged Community (if applicable)

## 2. Attachment Tab Instructions

Within the Attachment Tab, Applicants are required to submit up to 9 attachments (as applicable) to complete the 2017 SGWP grant application. A discussion of each of these attachments is provided below. Attachments 1 and 2 are mandatory and provide back-up documentation for eligibility of applicant. Attachments 3 through 6 are required to be scored during application review. Attachment 3 will be considered for tie-breaking purposes. Attachments 7 through 9 are optional, but are necessary to be completed if the applicant is requesting a cost share waiver or reduction, or for SDAC eligibility, as applicable.

### **ATTACHMENT 1. AUTHORIZING DOCUMENTATION**

For the "AttachmentName" in the naming convention of GRanTS, use "AuthDoc" for this attachment.

The applicant must provide a resolution adopted by the applicant's governing body designating an authorized representative to submit the application and execute an agreement with the State of California for a 2017 SGWP Grant. If the resolution cannot be signed prior to the application due date, please contact DWR, as indicated in the Foreword, to discuss the situation and explain this in Attachment 1, including an anticipated submittal date for the approved resolution.

The following text box provides an example of the resolution that must be submitted to fulfill this requirement.

RESOLUTION NO. \_\_\_\_\_

Resolved by the <Insert name of applicant governing body>, that application be made to the California Department of Water Resources to obtain a grant under the 2017 Sustainable Groundwater Planning Grant Program pursuant to the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) (Water Code Section 79700 *et seq.*), and to enter into an agreement to receive a grant for the: <Insert name of Proposal>. The <Insert title of authorized applicant official> of the <Insert name of applicant> is hereby authorized and directed to prepare the necessary data, conduct investigations, file such application, and execute a grant agreement with California Department of Water Resources. Passed and adopted at a meeting of the <Insert name of applicant > on <Insert date>.

Authorized Original Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Clerk/Secretary: \_\_\_\_\_

**ATTACHMENT 2. ELIGIBILITY DOCUMENTATION**

For the “AttachmentName” in the naming convention of GRanTS, use “EligDoc” for this attachment.

The applicant must provide a written statement (and additional information if noted) containing the appropriate information outlined below, which are discussed in detail in Section III.C of the Guidelines. For certain criteria, self-certification documents must be completed and included in Attachment 2, where applicable.

- Is the applicant a public agency, non-profit organization, public utility, federally recognized Indian tribe, California Native American Tribe, or mutual water company (Water Code Sections 79712.(a-b))? Please explain.
- CASGEM Basin Prioritization and Compliance
- Urban Water Management Compliance
- Agricultural Water Management Compliance
- Surface Water Diverter Compliance

**CASGEM Compliance** – The CASGEM Program description, along with the basin prioritization information, can be found at the following link: <http://www.water.ca.gov/groundwater/casgem/>.

For the portion of high and medium priority basins that do not have a CASGEM monitoring entity, the grant applicant will not be eligible to receive grant funding (Water Code Section 10933.7(a)). Consistent with Water Code Section 10933.7(b), if the applicant area is demonstrated to be a DAC, as defined in Appendix B of the Guidelines, the project will be considered eligible for grant funding notwithstanding CASGEM compliance.

**Urban Water Management Compliance** – If the applicant is an urban water supplier, or urban water suppliers will receive funding from the proposed grant through a joint-powers agreement (JPA) or other legal agreement, please provide documentation from DWR that verifies that the 2015 UWMP addresses the relevant Water Code requirements. If the 2015 UWMP has not been verified by DWR, explain and provide the anticipated date for having a verified 2015 UWMP. *Note: The 2015 UWMPs were due to DWR by July 1, 2016.*

Maintain compliance with Sustainable Water Use and Demand Reduction, Part 2.55 of Division 6 (Water Code Section 10608 *et seq.*). All urban water suppliers must submit documentation that demonstrates they are meeting the 2015 interim Gallons per Capita per Day (GPCD) target. If not meeting the interim target, also include a schedule, financing plan, and budget for achieving the GPCD, as required pursuant to Water Code Section 10608.24.

Each urban water supplier proposing wastewater projects, water use efficiency projects, or drinking water projects must complete the Water Metering compliance self-certification form. Applicants must self-certify their compliance with the water metering requirements contained in Water Code Section 525 *et seq.* The Water Metering Compliance Self-Certification Form and instructions can be found at the following link: [www.water.ca.gov/irwm/grants/resources\\_forms.cfm](http://www.water.ca.gov/irwm/grants/resources_forms.cfm).

**Agricultural Water Management Compliance** – If the applicant is an agricultural water supplier, or agricultural water suppliers will receive funding from the proposed grant through a JPA or other legal agreement, please include documentation, from DWR, that verifies that the 2015 AWMP addresses the relevant Water Code requirements. If the 2015 AWMP has not been verified by DWR, explain and provide the anticipated date for having a verified 2015 AWMP. *Note: The 2015 AWMPs were required to be adopted by December 31, 2015 and submitted to DWR by January 31, 2016.*

**Surface Water Diverter Compliance** – If the applicant is a surface water diverter, or will receive funding from the proposed grant through a JPA or other legal agreement, state whether they have submitted to the State Water Resources Control Board (SWRCB) surface water diversion reports in compliance with requirements outlined in Part 5.1 (commencing with Section 5100) of Division 2 of the Water Code. Submit SWRCB verification documentation. If a surface water diverter has not, explain and provide the anticipated date for meeting the requirements.

### **ATTACHMENT 3. PROJECT JUSTIFICATION**

For the “AttachmentName” in the naming convention of GRanTS, use “ProjJus” for this attachment.

#### **Category 1**

#### **PROJECT DESCRIPTION**

All Category 1 applications must provide a project description that addresses the requested information identified below. Project description must not exceed three pages (not including tables and figures) using a minimum 10-point type font.

Project description must include the following:

- A complete, detailed description of the project, including the goals and objectives of the project, need for the project, project facilities and location (if applicable), and tools to be developed if any.
- A map for each project that shows the geographical location of a project with a marker or service area; the basin boundary (per DWR Bulletin 118), the GSA(s) service areas in the project service area, facilities of the project; DACs, SDACs, EDAs within the project service area; and any other project features that may apply. Applicants may use the ArcGIS Map Package, link provided in the Foreword.
- A discussion of data, technical methods, and analysis to be used to meet the project goals and objectives.
- Identify and describe how the SDAC(s) will directly benefit from and be served by implementation of the project.

#### **PROJECT PHYSICAL BENEFITS**

For any construction project, physical benefits are the expected measurable accomplishments of a project. Physical benefits should be based on estimated measures of project annual accomplishments averaged over the period of project life. Project physical benefit description must not exceed one page using a minimum 10-point type font. Examples of physical benefits include, but are not limited to:

- Amount of water supply produced or improved water supply reliability.
- Types (constituents) and amounts of water quality improvement provided, and the amount of water treated or improved.

#### **PROJECT SUPPORT**

Applicants requesting funding must provide documentation to demonstrate project support and must include the following items:

- If the applicant is the GSA for the basin, discuss how implementation of the project has been considered in terms of future groundwater sustainability of the basin and discuss whether adverse impact analysis in the basin are considered with implementation of the project.



- If the applicant is the GSA for the basin, provide evidence that the applicant has coordinated with the SDAC including letters of support from the SDAC (examples such as local government board members, tribal council members, etc.).
- If the applicant is not the GSA for the basin, demonstrate and provide evidence that the applicant has coordinated with the GSA(s) for the basin regarding implementation of the project.

## Category 2

### **PROPOSAL SUMMARY**

The applicant must include a Proposal level “Summary” highlighting each project contained in the Proposal and must demonstrate that it encompasses the entire basin or describes why a portion of the basin is not covered in the Proposal. Each applicant must provide a map for each project that shows the geographical location of a project with a marker or service area (may represent the area covered by a GSP); the basin boundary (per DWR Bulletin 118), facilities of the project; DACs, SDACs, EDAs within the project service area; and any other project features that may apply. Applicants may use the ArcGIS Map Package, link provided in the Foreword.

Also include the name of the respective implementing agency/organization for each project. Additionally, for each proposed project, discuss how the project will address a current need of the basin in relation to sustainable groundwater management. The Summary must not exceed one page using a minimum 10-point type font, with the exception of maps, figures, or tables.

### **TECHNICAL NEED**

Applicants must provide an explanation of their “Technical Need” for each project. For example, the applicants may provide a justification of how this funding could assist in development of a monitoring network. The explanation for each project must not exceed one page using a minimum 10-point type font.

### **FINANCIAL NEED**

Applicants must provide an explanation of their “Financial Need” associated with completing each project. Specifically, absent SGWP funding, describe how the applicant would complete the proposed work. Describe other conditions that contribute to the need for funding. The explanation for each project must not exceed one page using a minimum 10-point type font.

### **PROJECT SUPPORT**

Applicants requesting funding for Category 2 must submit the following, as applicable:

- Relevant legal agreements between agencies or GSA(s) within the basin or with GSA(s) in neighboring basins that describe the governance of the basin and relevant roles and responsibilities of parties subject to the legal agreement. Examples of legal agreements may be memorandums of understanding, joint powers authority (JPA), or memorandums of agreement.
- If a relevant legal agreement(s) between agencies or GSA(s) within the basin is not available, describe and provide documentation of coordination with those GSA(s) to demonstrate that a basin-wide governance structure is under development to ensure that a single GSP or multiple GSPs will be developed to ensure coordinated management and implementation of SGMA for the basin.
- If one GSA is established in the basin, describe and provide documentation of any communication with GSA(s) in neighboring basins regarding groundwater sustainability planning and GSP development.
- Describe and provide documentation of any communication with beneficial users of groundwater in the basin that may potentially be affected by implementation of the project, including, but not limited to DACs, SDACs, or other stakeholders.

#### **ATTACHMENT 4. WORK PLAN**

For the “AttachmentName” in the naming convention of GRanTS, use “WrkPlan” for this attachment. Attachment 4 must contain the following items:

The Work Plan must be consistent with and support the Budget and Schedule (Attachment 5 and 6, respectively). The Work Plan must include a scope of work to allow reviewers to understand the level of effort of the work being performed and to substantiate the cost estimates in the Budget. The Work Plan should include, at a minimum, the following items:

- Scope of work for the project shall include work items to be performed under each task consistent with the Budget and Schedule.
- Project deliverables for assessing progress and accomplishments, which include quarterly progress and final reports.

The scope of work must list and concisely describe the necessary task(s) and applicable deliverable(s) to complete the project. The Work Plan should identify how the interested parties including groundwater users, stakeholders, and the general public will be informed about the project progress and how relevant reports and data will be disseminated to these groups.

If the county in which the basin is located received SGWP Proposition 1 *Counties with Stressed Basins* funding from DWR, describe how the task are not duplicative or inconsistent with previously funded tasks.

For Category 1 proposals:

- Identify tasks for coordination with the GSA(s) to promote management and operation of the project that is coordinated with the development of the basin GSP.
- If the proposal includes the construction or implementation of physical facilities, provide sufficient documentation or other back-up to support future operations and maintenance (O&M) obligations can be met, as applicable.

For Category 2 proposals:

- Identify tasks or subtasks associated with GSP plan contents, consistent with the requirements described in the GSP Regulations, necessary to develop, prepare, and submit the GSP.
- If the proposal includes the construction or implementation of physical facilities, provide sufficient documentation or other back-up to support future O&M obligations can be met, as applicable.
- Final product for Category 2 Projects shall be complete GSP(s) approved by DWR that complies with all GSP Regulations for the respective applicants’ basin.

Project deliverables should be actual work products that can be submitted to DWR (e.g., copies of GSP; feasibility study; project design; environmental compliance documentation; inputs/outputs from groundwater-surface water model; data management system; well completion and summary report including any geophysical surveys, water quality analysis, sieve analysis, or other supporting tests completed in support of well design, drilling, completion, etc.). Also, include the current status of any task including estimated percent (0 – 100%) completed.

If access to private property is needed, provide supporting documentation to demonstrate the ability to obtain the needed property access. For example, if monitoring wells will be constructed or sampled on private land, submit a letter or agreement that demonstrates that access for well construction and/or monitoring on the property has been obtained.

Explain the plan for environmental compliance and permitting, if applicable, including a discussion of the following items: a description of the plan, proposed efforts, and approach to environmental compliance, including addressing any California Environmental Quality Act obligations in connection with the proposal; a listing of environmental related permits or entitlements that are needed for the project; and any other applicable permits that will be required. Briefly describe the process and schedule for securing each permit/approval. If applicable, discuss necessary local drilling permits and the submittal of Well Completion Reports to DWR. Describe the proposed process for securing each environmental permit and any other regulatory agency approval.

**ATTACHMENT 5. BUDGET**

For the "AttachmentName" in the naming convention of GRanTS, use "Budget" for this attachment. Attachment 5 includes the estimated costs for the project, as described in the Work Plan (Attachment 4).

Attachment 5 is mandatory and includes the estimated capital costs of each project in the application. Attachment 5 should be presented in the following sub-sections:

- Project Budget Table
- Proposal Budget Table

For the Project Budget Table, costs must be broken down consistent with how tasks are presented in the Work Plan. For example, if the Work Plan describes projects at the subtask level, the budget must also present costs at the subtask level. In addition to the table, the applicant must provide a description explaining how the values were derived. The description must not exceed two pages per project using a minimum 10-point type font.

**PROJECT BUDGET**

Table 4 must be completed for each project in the Proposal. Table 4 only includes the required budget categories. If applicable, additional rows must be added under the applicable categories to present the cost of each task described in Attachment 4 Work Plan.

Table 4 – Project Budget					
Proposal Title: _____					
Project Title: _____					
Project serves a need of a DAC?: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Cost Share Waiver request?: <input type="checkbox"/> Yes <input type="checkbox"/> No					
	Tasks <sup>1</sup>	(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source <sup>2</sup>	Other Cost Share	Total Cost
(a)	Direct Project Administration				
(b)	Plan Development				
(c)	Stakeholder Engagement				
(d)	Task n				
(e)	Grand Total (Sum rows (a) through (d) for each column)				

<sup>1</sup> These tasks are shown here for example purpose only. Actual number of tasks may vary.  
<sup>2</sup> List sources of funding : Use as much space as required

**Proposal Budget**

Although the applicant should complete Table 5 column (e) for each individual project, the minimum cost share requirement applies to the costs of the overall Proposal. Table 5 will be used to present the cost share for the Proposal, including documenting that the Proposal will meet the minimum requirement of at least 50% of the total costs. If the project serves a DAC, SDAC, or EDA, and is requesting a waiver or reduction of the 50% local cost share requirement, please complete the Budget table accordingly and include a footnote identifying the cost share waiver.



Table 5 – Proposal Budget

Proposal Title:						
Individual Project Title <sup>1</sup>		(a)	(b)	(c)	(d)	(e)
		Requested Grant Amount	Cost Share: Non-State Fund Source <sup>2</sup>	Other Cost Share	Total Cost	% Cost Share (Col b/Col d)
(a)	Project 1	Grand Total From Table 4, row (e)	Grand Total From Table 4, row (e)	Grand Total From Table 4, row (e)	Grand Total From Table 4, row (e)	
(b)	Project 2					
(c)	Project 3					
(d)	Project n					
(e)	Proposal Total Sum rows (a) through (d) for each column					

<sup>1</sup> These projects are shown here for example purpose only. Actual number of tasks may vary.  
<sup>2</sup> List sources of funding: Use as much space as required

## ATTACHMENT 6. SCHEDULE

For the "AttachmentName" in the naming convention of GRanTS, use "Schedule" for this attachment. Attachment 6 is mandatory and shall include a schedule for each project showing the sequence and timing of each of the Tasks. Attachment 6 shall also include a schedule for implementation of the Proposal showing the sequence and timing of each of the proposed projects. Attachment 6 should be presented in the following sub-sections:

- Project Schedule
- A description of how each project schedule is realistic, reasonable, and accomplishable (not more than two pages per project using a minimum 10-point type font)
- Proposal Schedule

### PROJECT SCHEDULE

The schedule must show the start and end dates as well as milestones for each task contained in the Work Plan and at minimum be presented in either tabular or horizontal bar, or Gantt chart. The Project Schedule must also be broken down consistent with how tasks are presented in the Work Plan and Budget. For example, if the Work Plan describes projects at the subtask level, the Project Schedule must also present start and end dates at the subtask level. The schedule should illustrate any dependencies or predecessors by showing links between tasks. Applicants must include a reasonable estimate of the end date, based on their Proposal, including time for any final reports and invoicing. The schedule, Attachment 6, must be consistent with the Work Plan (Attachment 4) and the Budget (Attachment 5). Category 2 project completion dates presented in the schedule should meet the GSP timeline in the applicant's respective basin, as outlined in SGMA, and consistent with the following:

- January 31, 2020, for Category 2, Tier 1 (proposals in critically overdrafted basins)
- January 31, 2022, for Category 2, Tier 2 (proposals in other high or medium priority basins)

Also describe how the schedule shown is realistic, reasonable, and accomplishable based on the state of project development (such as design phase, status of permitting, and environmental documentation). The description must not exceed two pages per project using a minimum 10-point type font.

### PROPOSAL SCHEDULE

The applicant must include a schedule that briefly summarizes the Proposal's overall schedule.

### ***ATTACHMENT 7. DISADVANTAGED COMMUNITY***

For the “AttachmentName” in the naming convention of GRanTS, use “DAC” for this attachment. Attachment 7 is optional with the exception of applicants requesting a cost share waiver or reduction.

DWR strongly recommends that applicants consult Appendix E of the Guidelines to determine if the project benefit area includes a DAC and for details on waiving or reducing cost share requirements. Applicants should ensure the description of the DAC is adequate for DWR to determine whether the communities meet the definitions.

- Include information that supports the project benefits a DAC(s), such as a map or shapefile that shows the project benefit area and the location of the DAC(s).
- Where the lack of representative census data that adequately represents the community can be documented, alternative studies (local income surveys, a subset of a block group, etc.) may be substituted in the attachment.
- In determining the MHI for DACs, applicants may use a single type of census geography or combinations of census geographies that best represent the DAC.

For the applicants with GIS capability, the GIS data files used within the DAC mapping tool are available to download and use; see the link provided in Foreword. These GIS files will allow applicants to combine project area shape files with DAC data layers. This will help applicants show the extent of overlap or project areas with DACs.

### ***ATTACHMENT 8. ECONOMICALLY DISTRESSED AREA***

For the “AttachmentName” in the naming convention of GRanTS, use “EDA” for this attachment. Attachment 8 is optional with the exception of applicants requesting a cost share waiver or reduction.

DWR strongly recommends that applicants consult Guidelines, Appendix F, to determine if the project benefit area includes an EDA and for details on waiving or reducing cost share requirements. Applicants should ensure the description of the EDA is adequate for DWR to determine whether the community meets the definition.

- Include information that supports the project benefits an EDA(s), such as a map or shapefile that shows the project benefit area and the location of the EDA(s).
- Where the lack of representative census data that adequately represents the community can be documented, alternative studies (local income surveys, a subset of a block group, etc.) may be substituted in the attachment.
- In determining the MHI for EDAs, applicants may use a single type of census geography or combinations of census geographies that best represent the EDA.

For the applicants with GIS capability, the GIS data files used within the EDA mapping tool are available to download and use; see the link provided in the Foreword. These GIS files will allow applicants to combine project area shape files with EDA data layers. This will help applicants show the extent of overlap or project areas with EDA.

### ***ATTACHMENT 9. SEVERELY DISADVANTAGED COMMUNITY***

For the “AttachmentName” in the naming convention of GRanTS, use “SDAC” for this attachment. Attachment 9 is optional with the exception of applicants requesting a cost share waiver.

DWR strongly recommends that applicants consult Appendix E of the Guidelines to determine if the project benefit area includes a SDAC and for details on waiving cost share requirements. Applicants should ensure the description of the SDAC is adequate for DWR to determine whether the communities meet the definitions.

- Include information that supports the project benefits a SDAC(s), such as a map or shapefile that shows the project benefit area and the location of the SDAC(s).
- Where the lack of representative census data that adequately represents the community can be documented, alternative studies (local income surveys, a subset of a block group, etc.) may be substituted in the attachment.

- In determining the MHI for SDACs, applicants may use a single type of census geography or combinations of census geographies that best represent the SDAC.

For the applicants with GIS capability, the GIS data files used within the SDAC mapping tool are available to download and use; see the link provided in Foreword. These GIS files will allow applicants to combine project area shape files with SDAC data layers. This will help applicants show the extent of overlap or project areas with SDACs.

## VI. APPLICATION REVIEW

All applications will first be screened for eligibility and completeness in accordance with Section V of the Guidelines and Section II of this PSP. The information provided by applicants in GRanTS, as well as Attachments 1 through 6 of the application, will be used in determining eligibility and completeness. The DWR review team may contact applicant(s) in the case of missing information or to seek clarification of submitted information.

All complete and eligible applications will be evaluated, scored, ranked as per Category. Category 1 projects will be scored and ranked based on the evaluation questions presented in Table 6 and Category 2 projects will be scored and ranked based on the evaluation questions presented in Table 7.

Score for a proposal with multiple projects will be determined by summing each individual project's total score, dividing the summation by the number of projects, and then rounding up or down to the nearest whole number. If an application consists of both Category 1 and Category 2 projects, the projects would be evaluated separately by project category.

Funding will be allocated to proposals in each category consistent with Table 1. After the minimum funding target is met for Category 2 - Tier 1 projects, in the case of a tie, preference will be first given to proposals located in Critically Overdrafted Basins, then to proposals that best address the Technical and Financial Need identified in "Justification" as presented in Attachment 3.

If all funds are not awarded per Table 1 after two open filing phases, DWR may open a subsequent phase.



**Table 6 – Application Evaluation Criteria for Category 1**

Q#	Questions	Attachment(s)	Possible Points	Scoring Guidance
<b>Proposal Level Evaluation</b>				
1	Is there a map of the basin that shows the location of the project(s) included in the Proposal, the respective GSA(s), and the DACs, SDACs, or EDAs within the project(s) service area(s)?	3	1	0 – No; 1 –Yes
<b>Project Level Evaluation</b>				
2	Does the application demonstrate that it will serve an SDAC and provide a direct benefit to SDAC(s)?	3	2	0 – No; 1 – Less than fully addressed, 2 – Fully addressed
3	Has the applicant addressed all of the items requested in the Project Justification Section of Attachment 3 (I.e., Project Description, Project Physical Benefits, and Project Support)?	3	4	0 – No; 1 – Marginally addressed; 2 – Partially addressed, with activities necessary for the success of the Project not fully described or included in the Work Plan; 3 – Mostly addressed, with minor details not included or unclear; 4 – Fully addressed
4	Is the Work Plan consistent with the Budget and Schedule?	4	2	0 – No, not consistent with either one; 1- Only consistent with one; 2 – Yes, consistent with both Budget and Schedule
5	Does the application provide a detailed Work Plan to study, design, implement, construct, or other activity that will aide in completion of a Project that will benefit a SDAC and support groundwater sustainability in the basin?	4	4	0 – No; 1 – Marginally addressed; 2 – Partially addressed, with activities necessary for the success of the Project not fully described or included in the Work Plan; 3 – Mostly addressed, with minor details not included or unclear; 4 – Fully addressed
6	Does the application contain a complete Budget that is reasonable to execute the Work Plan on the Schedule provided?	5	2	0 – No; 1 – Less than fully addressed, 2 – Fully addressed
7	Does the application include a Schedule that demonstrates the ability to meet the timeline for completing the Project in a schedule appropriate for this type of Project?	6	1	0 – No; 1 – Yes
<b>Total Range of Possible Points</b>			<b>0-16</b>	
<b>Total Project Level Score for all projects</b>				
<b>Average Project Level Score = (Total Project Score/# of Projects); rounded to nearest whole number</b>				
<b>Enter Proposal Level Score</b>				
<b>Total Proposal Score</b>				



Table 7 – Application Evaluation Criteria for Category 2

Q#	Questions	Attachment(s)	Possible Points	Scoring Guidance
<b>Proposal Level Evaluation</b>				
1	Does the Proposal Summary describe a well-coordinated Proposal including GSPs that encompass the entire basin or describes why a portion of the basin is not covered in the Proposal?	3	4	0 - No; 1 - Marginally addressed; 2 - Partially addressed, with activities necessary for the success of the Project not fully described or included in the Work Plan; 3 - Mostly addressed, with minor details not included or unclear; 4 - Fully addressed
2	Collectively, do the Budget and Schedule demonstrate that all of the projects will be completed by the SGMA deadline for the respective basin (January 31, 2020 for critically overdrafted basins or January 31, 2022 for other high and medium priority basins)?	5, 6	2	0 - No; 1 - Less than fully addressed, 2 - Fully addressed
<b>Project Level Evaluation</b>				
3	Has the applicant addressed all of the items requested in the Project Justification Section of Attachment 3 (i.e., Proposal Summary and Project Support)?	3	4	0 - No; 1 - Marginally addressed; 2 - Partially addressed, with activities necessary for the success of the Project not fully described or included in the Work Plan; 3 - Mostly addressed, with minor details not included or unclear; 4 - Fully addressed
4	Does the applicant provide an explanation of the Technical Need for the project?	3	2	0 - No; 1 - Less than fully addressed, 2 - Fully addressed
5	Does the applicant provide an explanation of the Financial Need for the project?	3	2	0 - No; 1 - Less than fully addressed, 2 - Fully addressed
6	Does the application contain a detailed Work Plan that includes tasks for developing, preparing, and submitting a complete GSP?	4	4	0 - No; 1 - Marginally addressed; 2 - Partially addressed, with activities necessary for the success of the Project not fully described or included in the Work Plan; 3 - Mostly addressed, with minor details not included or unclear; 4 - Fully addressed
7	Does the application contain a complete Budget that is reasonable to execute the Work Plan on the Schedule provided?	5	2	0 - No; 1 - Less than fully addressed, 2 - Fully addressed
8	Given the level of effort described in the Work Plan, does the Schedule seem reasonable?	6	1	0 - No; 1 - Yes
<b>Total Range of Possible Points</b>			<b>0-21</b>	
<b>Total Project Level Score for all projects</b>				
<b>Average Project Level Score = (Total Project Score / # of Projects); rounded to nearest whole number</b>				
<b>Enter Proposal Level Score</b>				
<b>Total Proposal Score</b>				

## VII. APPENDIX A

# ADVANCED PAYMENT

The following outlines the eligibility requirements, process to apply, accountability reporting requirements, and requirements for advancing payment.

### A. Eligible Projects

Projects eligible for advanced payment must be consistent with an adopted IRWM Plan and awarded less than \$1,000,000 in grant funds. Only 50 percent of the grant award may be advanced, the remaining 50 percent of the grant award will be reimbursed in arrears.

### B. Eligible Grantees

Eligible Grantees are the following:

- Nonprofit organizations
- DACs
- Proponents of projects that benefits a DAC

### C. Process to Apply for Advanced Payment

Within 90 days after the date of the grant award, the Grantee shall provide DWR with the following information:

- Project description
- Names of the entities that will received funding
- An updated budget for the project
- An updated schedule for the project which shows how the advanced funds will be expended within six months of receipt
- An update on project status and funds expended to date
- And other information that DWR may deem necessary, including a discussion of the Grantee's financial capacity to complete the project once the advance funds have been expended.

If the Grantee fails to provide this list and the related information within 90 days of grant awards, funds may not be advanced. Within 60 days of grant execution and subject to the availability of funds, DWR will authorize payment of 50 percent of the grant award for the qualified project.

### D. Accountability Report Requirements

Upon receipt of advanced payment, there are requirements and responsibilities that must be met by the Grantee. The Grantee shall provide to DWR, quarterly, an Accountability Report regarding the advanced funds that, at a minimum:

- Itemizes what advanced funds have been expended
- Itemizes how remaining advanced funds will be expended over the next reporting period
- Documents that the funds were spent on eligible reimbursable costs
- Documentation that advanced funds were placed in a non-interest-bearing account

### E. Advance Payment Requirements

Any of the following actions are considered as a default on the advanced payment eligibility requirements and may result in DWR requesting the Grantee to stop work and return all or a portion of the advanced funds, including both expended and unexpended funds:

- Failure to expend the advanced funds within six months of receipt
- Failure by Grantee to submit an accurate Accountability Report by the required due date

- Failure to deposit funds in a non-interest bearing account
- Ineligible expenses and/or activities not consistent with the grant agreement
- An inappropriate use of funds, as deemed by DWR

If the advanced funds are not expended within six months of the date of receipt, then the Grantee must return the advanced funds to DWR, unless the DWR waives this requirement. DWR will consider waiving the required return of advanced funds if the project is:

- In compliance with grant agreement terms
- Making progress towards completion
- Submitting accurate and timely Accountability Reports

At any given time, DWR reserves the right to revoke advanced funds based on failure to comply with the advanced payment requirements. Notwithstanding Water Code Section 10551(c)(4), if advanced funds are not fully expended by project completion or by the grant agreement termination date, whichever is earlier, the unused portion of the grant shall be returned to DWR within 60 days.

CALIFORNIA NATURAL RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES  
DIVISION OF INTEGRATED REGIONAL WATER MANAGEMENT

**ATTACHMENT II**  
**A.5.**

# **EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**

## **NOTICE OF INTENTION TO ADOPT A CONFLICT OF INTEREST CODE**

NOTICE IS HEREBY GIVEN, pursuant to California Code of Regulations, Title 2, Section 18750, subdivision (a)(3), that the Eastern San Joaquin Groundwater Authority, a joint powers authority (“Authority”), intends to adopt a Conflict of Interest Code pursuant to Government Code section 87300 and California Code of Regulations, Title 2, Section 18750, subdivision (a).

Pursuant to Government Code section 87302, the code will designate individuals who must disclose certain investments, income, interests in real property, and business positions, and who must disqualify themselves from making or participating in the making of governmental decisions affecting those interests.

The exact terms of the proposed Conflict of Interest Code, and all of the information upon which the Conflict of Interest Code is based, are available for inspection and copying by interested persons by contacting the Authority representative listed below or by visiting the Authority’s website (<http://www.esjgroundwater.org/>).

A 45-Day public comment period has been established commencing on June 23, 2017 and terminating at 5:00 p.m. on August 8, 2017. Any interested person may present written comments concerning the proposed code no later than August 8, 2017 to the Authority at the address listed below. Any interested person or his or her representative may request a public hearing no later than 15 days prior to the close of the written comment period.

The Board of the Authority will consider adoption of the proposed Conflict of Interest Code during its regular meeting on August 9, 2017 at 9:30 a.m. located at 2101 East Earhart Avenue, Assembly Room #1, in Stockton, CA.

Any general inquiries concerning the proposed Conflict of Interest Code should be directed to the Authority representative listed below.

Brandon Nakagawa, P. E.  
Water Resources Coordinator  
San Joaquin County, Department of Public Works  
1810 E. Hazelton Avenue  
Stockton, CA 95205  
(209) 468-3089  
Email: [bnakagawa@sjgov.org](mailto:bnakagawa@sjgov.org)

## **CONFLICT OF INTEREST CODE**

### **EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**

The Political Reform Act (Government Code section 81000 et seq) requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission ("FPPC") has adopted a regulation, 2 California Code of Regulations ("CCR") section 18730, which contains the terms of a standard conflict of interest code. CCR 18730 may be incorporated by reference in an agency's code, and may be amended by the FPPC after public notice and hearing to conform to amendments in the Political Reform Act. Therefore, the terms of CCR 18730 and any amendments to it duly adopted by the FPPC are hereby incorporated by reference. This regulation and the attached Appendices in which members and employees are designated and disclosure categories are set, shall constitute the conflict of interest code of Eastern San Joaquin Groundwater Authority.

Individuals holding designated positions shall file their statements of economic interests with the Secretary of the Eastern San Joaquin Groundwater Authority, who will retain the statements and make the statements available for public inspection and reproduction. (See Government Code § 81010 and 2 CCR § 18115.)



**APPENDIX A**

**DESIGNATED POSITIONS**

GOVERNED BY THE CONFLICT OF INTEREST CODE

DESIGNATED POSITIONS TITLE OR FUNCTION	DISCLOSURE CATEGORIES
Members and Alternates of the Board	ALL
Secretary of the Board	ALL
Attorney	ALL
Consultants <sup>1</sup>	ALL

**APPENDIX B**

<sup>1</sup> Consultants shall be included in the list of designated employees and shall disclose pursuant to the broadest disclosure category in the code, subject to the following limitation: The President of the Board may determine in writing that a particular consultant, although a "designated position," is hired to perform a range of duties that is limited in scope and thus is not required to fully comply with the disclosure requirements described in this section. Such a written determination shall include a description of the consultant's duties and, based upon that description, a statement of the extent of disclosure requirements. The President's determination is a public record and shall be retained for public inspection in the same manner and location as this Conflict of Interest Code.

## DISCLOSURE CATEGORIES

The following financial interests shall be disclosed by the designated positions identified in Appendix A:

1. Each investment in a business entity engaged in the business of providing services or supplies, including equipment or machinery or office supplies, to the Authority with a fair market value equal to or exceeding \$2,000 or more.
2. Each interest in real property located in whole or in part within the boundaries of the Authority, or within a two-mile radius of the Authority, with a fair market value equal to or exceeding \$2,000 or more (excluding the personal residence of the filer).
3. Each source of gross income of \$500 or more (including loans) that is located in or doing business in the boundaries of the Authority.

**ATTACHMENT II**  
**A.7.**



## SGM Sustainable Groundwater Management

# Facilitation Support Services

Department of Water Resources' (DWR) Facilitation Support Services (FSS) aim to help local agencies work through challenging water management situations. Professional facilitators are sometimes needed to help foster discussions among diverse water management interests and local agencies as they strive to implement the Sustainable Groundwater Management Act (SGMA). From April 2015 to June 2017, DWR's FSS resources were primarily allocated to assist with Groundwater Sustainability Agency (GSA) formation. Beginning July 1, 2017, DWR will be focusing its available FSS resources on supporting the development of Groundwater Sustainability Plans (GSPs). Under the requirements of SGMA, all beneficial uses and users of groundwater must be considered in the development of GSPs, and GSAs must encourage the active involvement of diverse social, cultural, and economic element of the population.

The goal of the FSS related to GSP development is to assist GSAs in reaching consensus on potentially contentious water management topics arising from the diverse beneficial uses and users of groundwater. Priorities of this funding are given to the critically overdrafted basins.

### Services Offered through DWR funded Professional Facilitators

- Stakeholder identification and engagement
- Meeting facilitation
- Interest-based negotiation/consensus building
- Public outreach facilitation

### Who is Eligible?

GSAs developing GSPs, or other groups coordinating with the GSAs in developing GSPs, are eligible to apply for FSS if they meet all of the following obligations:

- Agree to work in an open, inclusive, and collaborative manner toward the development of a GSP.
- Support an inclusive process that seeks, promotes, encourages, and welcomes the involvement of all stakeholders and interested parties.
- Commit to meet regularly and work diligently toward a clear and defined goal.
- Commit to providing a meeting space that is suitably located and sized.

Applications for FSS will be evaluated on a continuous basis as funding allows. Applications must be submitted through the online application system linked below. **A list of questions** is provided as a resource to help applicants prepare for the online application.

## Facilitation Support Services Application

For more information, or help starting a FSS application, contact DWR's regional coordinators (see attached map and contact) or [SGMP\\_RC@water.ca.gov](mailto:SGMP_RC@water.ca.gov).



### GROUNDWATER HOME

#### SUSTAINABLE GROUNDWATER MANAGEMENT

- Adjudicated Basin Reporting
- Alternative Submittals
- Basin Boundary Modifications
  - BBAT - Basin Boundary Assessment Tool
  - BBMRS - Basin Boundary Modification Request System
- Best Management Practices
- Critically Overdrafted Basins
- Communication and Outreach
  - Advisory Groups
  - Calendar
  - Subscribe for Email Updates

- Groundwater Sustainability Agencies
  - Withdrawals and Opt-Out Notices
- Groundwater Sustainability Plan Regulations
  - Initial Notifications
- Initial Basin Prioritization
- Water Available For Replenishment
  - WAFR Public Comments
- Resources
  - Water Mgmt. Planning Tool
  - SGWP Grant Program
  - Facilitation Support Services
  - SGMA Definitions
  - Related Links
  - SGM Archive

### GROUNDWATER INFORMATION CENTER

[CASGEM](#)
[BULLETIN 118](#)

**ATTACHMENT II**  
**A.8.**

**EASTERN SAN JOAQUIN  
GROUNDWATER AUTHORITY  
BYLAWS**



**BYLAWS  
OF  
EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY**

**ARTICLE I  
NAME**

This joint powers agency shall be known as the EASTERN SAN JOAQUIN GROUNDWATER AUTHORITY ("Authority") and shall exercise its powers within the geographical area of the Eastern San Joaquin Subbasin as set forth in the joint powers agreement entered into by Calaveras County Water District, Central Delta Water Agency, Central San Joaquin Water Conservation District, City of Lathrop, City of Lodi, City of Manteca, City of Stockton, Linden County Water District, Lockeford Community Services District, North San Joaquin Water Conservation District, Oakdale Irrigation District, San Joaquin County, South Delta Water Agency, South San Joaquin Irrigation District, Stockton East Water District, and Woodbridge Irrigation District ("Party" or collectively "Parties") establishing Authority.

**ARTICLE II  
PURPOSE**

The purposes of Authority as set forth in the joint powers agreement are for the following reasons:

- A. Provide for coordination among the Members to develop and implement a GSP and/or facilitate a coordination agreement, to the extent necessary;
- B. Provide for the joint exercise of powers common to each of the Members and powers granted to SGMA (subject to the restrictions contained in the joint powers agreement);
- C. Cooperatively carry out the purposes of the Sustainable Groundwater Management Act (SGMA);
- D. Develop, adopt and implement a legally sufficient Ground Water Sustainability Plan covering those portions of the Basin that are within the jurisdictional boundaries of the Members, subject to the limitations set forth in the joint powers agreement; and
- E. Satisfy the requirements of SGMA for coordination among Groundwater Sustainability Agencies.
- F. Allocation of Resources. The Members share common mission and issues, and at the same time, have different needs and priorities and are affected in different ways by these issues. The resources of Authority should be allocated in a manner so that the needs of any portion of the area are not ignored, recognizing, however, that resources are limited and that not all needs can be met, nor all portions of the area assisted equally at any one time.



### ARTICLE III MEMBERSHIP

Section 1. Board. Authority shall be governed by a Board of Directors, herein referred to as the Authority Board, which shall be comprised of:

A. One (1) member appointed from each of the Member's. Members of the Board of Directors are not required to be members of the governing board of the appointing Member; however, it is the strong preference that members of the Board of Directors be members of the governing board of the appointing member.

B. In the event multiple Members establish a single Groundwater Sustainability Agency (GSA) pursuant to a separate agreement, the GSA so established will thereafter have one representative on the Board of Directors and the vote of the GSA member will be exercised in accordance with the separate agreement.

Section 2. Appointment. Members shall be appointed by the governing body of each Party and shall serve at the pleasure of their appointing body or until their respective successors are appointed. If a Member of the Board of Directors is a member of the governing body of the appointing member, termination of that member's mayor, councilperson, supervisor, director or trustee status shall constitute automatic termination of that person's membership on the Authority Board. The appointing body of a Party may appoint a new member or alternate immediately upon any vacancy in the Party's representation.

Section 3. Alternates. The governing body of each Party shall appoint an alternate member to the Authority Board. The alternate need not be a member of the governing board of the appointing member. During the absence of a regular member from any meeting of the Authority Board, the alternate shall be entitled to participate in all respects as a regular member of the Authority Board.

### ARTICLE IV OFFICERS

Section 1. Elected Officers.

The elected officers shall be chosen by the Board from the members of the Board and shall consist of a Chair and a Vice-Chair.

Section 2. Terms of Elected Officers.

Elected officers of the Board shall be elected by the Board at the June meeting and shall serve for **one (1) year**, said term to commence upon election.

Section 3. Duties of Elected Officers.

A. Chair.

1. The Chair shall preside at all meetings of the Board and such other meetings approved by the Board.
2. The Chair shall serve as official spokesperson for the Board.
3. The Chair shall appoint such committees and other working groups as prescribed by the Board.
4. The Chair shall designate Directors or others to represent the Board at various meetings, hearings, and conferences.
5. The Chair shall perform such other duties as necessary to carry out the work of the Board.
6. The Chair shall perform such duties as prescribed by law.

B. Vice-Chair.

1. The Vice-Chair shall serve in the absence of the Chair.

C. Absences.

1. In the absence of both the Chair and Vice-Chair, a majority of the Board shall select a Director to serve as Chair Pro Tem.

## ARTICLE V MEETINGS

### Section 1. Regular and Special Meetings.

A. The Authority Board shall hold a regular meeting on the second Wednesday of each month, at 9:30 a.m., or at a time, specified by the Authority Board. Such regular meetings shall be for considering reports of the affairs of Authority and for transacting such other business as may be properly brought before the meeting. Any regular meeting may be rescheduled on an individual basis as to date, time and place, by motion of the Authority Board or at the direction of the Authority Secretary, in the event of a conflict with holidays, Directors' schedules, or similar matters, or, in the event of a lack of a quorum, as specified below.

B. Special meetings may be called in accordance with the California Ralph M. Brown Act. Special meetings may be called by the Chair, or by any nine Directors.

C. All meetings shall be conducted in accordance with the Ralph M. Brown Act.

### Section 2. Closed Sessions.



A. All information presented in closed session shall be confidential.

B. Under Government Code section 54956.96, Authority adopts a joint powers agency limited disclosure policy as follows:

1. All information received by the legislative body of the local agency member in a closed session related to the information presented to Authority in closed session shall be confidential. However, a member of the legislative body of a member local agency may disclose information obtained in a closed session that has directed financial or liability implications for that local agency to the following individuals:

(a). Legal counsel of that member local agency for purposes of obtaining advice on whether the matter has directed financial or liability implications for that member local agency.

(b). Other members of the legislative body of the local agency present in a closed session of that member local agency.

C. Any designated alternate member of the legislative body of the Authority who is also a member of the legislative body of a local agency member and who is attending a properly noticed meeting of the joint powers agency in lieu of a local agency member's regularly appointed member may attend closed sessions of Authority.

### Section 3. Quorum.

A. A quorum for conducting all matters of business shall be a majority of the Members.

### Section 4. Voting.

A. Voting shall only be conducted at properly noticed meeting where a quorum has been established and members are physically present, except as provided in Government Code section 54953 for teleconferencing.

B. Voting shall be by voice, show of hands, or roll call vote. Any Director may request a roll call vote.

C. In all cases, a vote to "abstain" shall be counted as an "aye" vote unless there is a majority vote to defeat the motion and then the vote to abstain shall be counted as a "no" vote.

D. Supermajority Vote Requirement for Certain Actions. The following actions will require two-thirds (2/3) vote by the directors present:

1. Approval or modification or amendment of the Authority's annual budget;

2. Decision related to the levying of taxes, assessments or property-

related fees and charges;

3. Decisions related to the expenditure of funds by the Authority beyond expenditures approved in the Authority's annual budget;

4. Adoption of rules, regulations, policies, bylaws and procedures related to the function of the Authority;

5. Decisions related to the establishment of the Members' percentage obligations for payment of the Authority's operating and administrative costs as provided in Article 5.1 of the joint powers agreement;

6. Approval of any contracts over \$250,000 or contracts for terms that exceed two (2) years;

7. Setting the amounts of any contributions or fees to be paid to the Authority by any Member;

8. Decisions regarding the acquisition by any means and the holding, use, sale, letting and disposal of real and personal property of every kind, including lands, water rights, structures, buildings, rights-of-way, easements, and privileges, and the construction, maintenance, alteration and operation of any and all works or improvements, within or outside the Authority, necessary or proper to carry out any of the purposes of the Authority;

9. Decisions related to the limitation or curtailment of groundwater pumping; and

10. Approval of a Groundwater Sustainability Plan.

#### Section 5. Notice of Regular and Special Meetings.

A. Notices of regular meetings shall be sent in writing to each Director at the Director's address at least seventy-two (72) hours prior to such meetings. Directors may choose to receive notices of regular meetings electronically and such electronic notices shall also be sent at least seventy-two (72) hours prior to such meetings. Such notices shall specify the place, the day, and the hour of the meeting and accompanying the notice shall be a copy of the agenda for that meeting.

B. In the case of special meetings, the written or electronic notice shall specify the specific nature of the business to be transacted.

#### Section 6. Lack of Quorum.



A. If less than a quorum of the Directors are present at any properly called regular, adjourned regular, special, or adjourned special meeting, the member(s) who are present may adjourn the meeting to a time and place specified in the order of adjournment. A copy of the order or notice of adjournment shall be conspicuously posted on or near the door of the place where the meeting was to have been held within 24 hours after adjournment.

B. If all the members are absent from any regular or adjourned regular meeting, the Administrator of the Authority may so adjourn the meeting and post the order or notice of adjournment as provided, and additionally shall cause a written notice of the adjournment to be given in the same manner as for a notice of a special meeting.

C. If the notice or order of adjournment fails to state the hour at which the adjourned meeting is to be held, it shall be held at the hour specified for the regular meeting of Authority.

Section 7. Agenda.

Any Director or the Administrator may cause an item to be placed on the agenda.

Section 8. Adjournment.

Except as provided in Section 6 above, a meeting may be adjourned by the presiding officer's own action; however, any Director may object to such adjournment by the presiding officer and then a motion and action is required in order to adjourn the meeting in accordance with Rosenberg's Rules of Order.

Section 9. Decorum.

All Directors, and staff, shall conduct themselves in accordance with Rosenberg's Rules of Order and in a civil and polite manner toward other board members, employees, and the public. Using derogatory names, interrupting the speaker having the floor, or being disorderly or disruptive, are prohibited actions. If any meeting is willfully interrupted by any individual so as to render the orderly conduct of that meeting infeasible, that individual may be removed from the meeting. If any group or groups of persons willfully interrupts a meeting so as to render the orderly conduct of that meeting infeasible, the presiding officer, or a majority of the Board, may clear the meeting room in accordance with Government Code section 54957.9.

## ARTICLE VI COMMITTEES

Section 1. Advisory Committee.

A. The Board may establish an Advisory Committee which contains no more than 8 representatives from the Board of the Authority. The Advisory Committee shall consist of twenty-three (23) total members.

B. The members of the Advisory Committee shall elect one (1) of their members to serve as Chairperson.

C. A majority of the Advisory Committee members attending a meeting of the Committee, given notice in writing not less than 72 hours in advance, shall constitute a quorum for discussion and action delegated to the Committee.

D. The Advisory Committee shall conduct the preliminary review of all Federal and State mandates. In conducting such reviews, the Advisory Committee will draw upon the expertise and assistance of any persons, committees, groups, or agencies it deems appropriate.

E. The Advisory Committee shall ensure maximum inter-agency coordination and consistence with adopted comprehensive plans.

F. The Advisory Committee shall carry out any duties as assigned by the Authority Board.

#### Section 2. Other Committees.

The Authority Board may appoint other committees as necessary. The Chair may appoint ad hoc committees.

### **ARTICLE VII REFERRALS**

The San Joaquin County may accept by letter or resolution referrals for study and report from any duly constituted advisory or legislative body or their representatives. Reports will be made and returned to the referring body within a reasonable time.

### **ARTICLE VIII PARLIAMENTARY AUTHORITY**

Rosenberg's Rules of Order, current edition or such other authority as may be subsequently adopted by resolution of the Board is to apply to all questions of procedure and parliamentary law not specified in these Bylaws or otherwise by law.

### **ARTICLE IX AMENDMENTS**

The Bylaws may be repealed or amended, or new Bylaws may be proposed, by the affirmative vote of two-thirds of the Board on a resolution presented at any regular meeting of the Board, provided notice of such proposal shall have been mailed to each Director at least five (5) calendar days prior to the meeting at which the matter is to be acted upon.

**ATTACHMENT II**  
**B.1.**



## Villalpando, Kelly

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**From:** Callahan, Michael  
**Sent:** Monday, July 03, 2017 5:05 PM  
**To:** Villalpando, Kelly  
**Subject:** FW: Comments Regarding Draft PSP for Groundwater Sustainability Plans

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**From:** Callahan, Michael  
**Sent:** Monday, June 19, 2017 4:33 PM  
**To:** 'SGWP@water.ca.gov' <SGWP@water.ca.gov>  
**Cc:** 'Heather.Shannon@water.ca.gov' <Heather.Shannon@water.ca.gov>; Nakagawa, Brandon <bnakagawa@sjgov.org>  
**Subject:** Comments Regarding Draft PSP for Groundwater Sustainability Plans

Via email to: Heather Shannon, [SGWP@water.ca.gov](mailto:SGWP@water.ca.gov)

The Eastern San Joaquin Groundwater Authority is grateful for the opportunity to comment on the Draft Proposal Solicitation Package for Groundwater Sustainability Plans (GSP) and Projects. The following comments reflect the Authority's collective commitment to proactively engage the Department of Water Resources in the implementation of the Sustainable Groundwater Management Act (SGMA).

Section III, A – “an applicant with jurisdiction over multiple basins must submit one consolidated application and may request up to \$500,000 for the additional basins”.

Comment: SGMA requires sustainability at the subbasin level recognizing that each subbasin may have distinct issues. Given that in most cases, Groundwater Sustainability Agencies (GSAs) at the subbasin level have gone thru a separate process and with a separate set of stakeholders. Requiring subbasins to further coordinate for grant administration purposes is viewed as a penalty rather than an attempt at efficiency. This requirement potentially limits the total funding available for a subbasin which could impact the quality and effectiveness of a GSP. The Eastern San Joaquin Subbasin is designated as critically overdrafted and surrounded by a mix of high and medium priority basins. The timing of the GSP adoption thus varies by two-years. It has not yet been decided who would be the applicant in the Tracy or Eastern San Joaquin Subbasin. The requirement for consolidating an application for multiple basins should be eliminated.

Page 17 – “Final product for Category 2 Projects shall be complete GSP(s) approved by DWR that complies with all GSP Regulation for the respective applicants' basin”.

Comment: Per the GSP Regulations, DWR has two years to the review the GSP before determining adequacy, completeness, and approval. With the lengthy review process, the PSP should be revised to reflect a more suitable criteria for the final deliverable.

Page 14,15 – DWR has expanded the Eligibility Documentation requirements to include all members of a JPA.

Comment: The Authority was formed specifically for SGMA purposes and is a separate local public agency. While individually the Authority members may supply urban or agricultural water, act as a purveyor, hold surface or groundwater rights, provide water management, or own or operate water

facilities; however, the Authority itself does not. DWR's requirement that the eligibility of the Authority be based on individual agency compliance with groundwater management plans and urban water management plans, is excessive and inconsistent with Proposition 1 statutory requirements.

Category 2, Phase 1 Grant Application filing date.

**Comment:** The timeframe for local agencies to bring on consultants, establish the work plan and complete the application is very short. It allows only two to three weeks to prepare all the documents and obtain stakeholder input and buy in. The Authority recommends the filing deadline be changed from October to November to allow time for the Authority adequate time to deliberate and develop a competitive, comprehensive, and affordable work plan and scope of work for the GSP.

Should you have any questions regarding the above comments, please contact Michael Callahan, Senior Civil Engineer, at (209) 468-9360 or at [mcallahan@sjgov.org](mailto:mcallahan@sjgov.org).


**ATTACHMENT II**  
**B.2.**

[THE CALIFORNIA REPORT \(HTTPS://WW2.KQED.ORG/NEWS/PROGRAMS/THE-CALIFORNIA-REPORT/\)](https://ww2.kqed.org/news/programs/the-california-report/)

## State Water Chief, the Face of the Oroville Spillway Crisis, Steps Down



Bill Croyle, acting director for the California Department of Water Resources, spoke in April to a large crowd in the Butte County town of Gridley about the Oroville Dam spillway failure and plans for the structure's replacement. *(Kelly M. Grow/California Department of Water Resources)*

By **Dan Brekke** (<https://ww2.kqed.org/news/author/danbrekke/>)   
<http://twitter.com/danbrekke>



JUNE 23, 2017

Bill Croyle, who took over as chief of the California Department of Water Resources on the eve of February's near-catastrophe at Oroville Dam, is retiring from the agency after six months on the job.

Gov. Jerry Brown appointed Croyle to fill the director's job on an acting basis following the retirement of Mark Cowin in December. In his decade at DWR, Croyle had served as the agency's emergency operations manager and flood operations chief.

On Feb. 7, however, the nature and profile of Croyle's job changed dramatically. The main concrete spillway at the State Water Project's linchpin Oroville Dam began to disintegrate in the midst of a series of major winter storms, touching off a five-day series of events that led to one of the largest mass evacuations in California history.

After the spillway damage was detected, managers at Oroville Dam stopped and started flows down the broken concrete chute to study the effects before allowing substantial flows to resume. Meantime, Lake Oroville filled rapidly and rose toward the top of an emergency weir built to allow water to flow down a steep, unlined, vegetation-covered hillside into the Feather River below.

Croyle and other DWR officials downplayed the potential effects of an overflow, which had not occurred since the dam went into operation in 1968.

The lake overtopped the weir on the morning of Feb. 11, a Saturday. Heavy erosion on the hillside was soon visible, and mud, rocks and trees tumbled into the river. As late as 2 p.m. the next day, DWR offered assurances that the situation was stable.

**CA – DWR on Twitter ([https://twitter.com/CA\\_DWR/status/830898986403762176](https://twitter.com/CA_DWR/status/830898986403762176))**

At 11 a.m., auxiliary flow was down to 8,000 cfs from peak of 12,600 cfs at 1 a.m. Situation has stabilized.

But in fact, the hillside below the emergency weir was rapidly eroding and DWR's concern grew that part of the massive concrete structure could collapse and unleash an uncontrolled wall of water down the Feather River. Just before 5 p.m., DWR announced that the emergency structure was expected to fail within an hour. Residents of Oroville and other downstream communities — about 180,000 in all — were ordered to leave their homes immediately.

Residents were allowed to return two days later as Lake Oroville receded, but remained on alert they might have to leave their homes if the water rose again.

Croyle, occupying a position that's ordinarily invisible to most Californians, became one of the public faces of the crisis. In press briefings, Croyle and the DWR officials were quick to offer statistics on lake levels and the progress of work to clean up and replace the



shattered spillway. But elected officials, journalists and others criticized him for the department's decision to keep some documents about the spillway incident under wraps (<http://www.sacbee.com/news/state/california/water-and-drought/article13990719.html>).

Croyle eventually reversed that decision and the agency released redacted versions of consultants' reports on the possible causes of the spillway failure and plans to rebuild it.

The acting director also defended the DWR's maintenance of the Oroville spillway, despite evidence that the structure suffered from extensive design and construction flaws and maintenance deficiencies (<https://www.kqed.org/news/2017/04/18/report-design-building-and-keep-flaws-led-to-oroville-spillway-failure/>).

Most controversially, Croyle insisted at a legislative hearing in April that despite its near-failure, the emergency spillway at Oroville had worked as intended.

That drew an angry rebuttal from Assemblyman James Gallagher, a Republican who represents many of the people in the area evacuated in February.

"In my opinion it didn't work at all," Gallagher said. "When it started flowing and we had that erosion cut back, to me that's a failure. It didn't work as designed."

In a statement issued Friday, Croyle said he had originally leave DWR in January, but stayed on at the governor's request.

"I am honored to have served with many talented, dedicated people throughout my career. I am very proud of the work we have accomplished over the years bringing California through drought, flood and most recently, through the Oroville Spillway incident," Croyle's statement said. "And now I'm looking forward to picking up my retirement plans where they left off six months ago."

**EXPLORE: NLWS** ([HTTPS://WWW.KQED.ORG/NLWS/CATEGORY/NEWS/](https://www.kqed.org/nlws/category/news/)), **SCIENCE** ([HTTPS://WWW.KQED.ORG/NEWS/CATEGORY/SCIENCE/](https://www.kqed.org/news/category/science/)), **BILL CROYLE** ([HTTPS://WWW.KQED.ORG/NEWS/TAG/BILL-CROYLE/](https://www.kqed.org/news/tag/bill-croyle/)), **OROVILLE** ([HTTPS://WWW.KQED.ORG/NLWS/TAG/OROVILLE/](https://www.kqed.org/nlws/tag/oroville/))

**ATTACHMENT II**  
**B.3.**

# ScienceNews

MAGAZINE OF THE SOCIETY FOR SCIENCE & THE PUBLIC

Science Visualized: Earth

## Snow and rain tug on earthquake faults in California

*Seasonal changes in water weight can set off small tremors*

By Maria Temming 7:00am, July 3, 2017



**ON THE REBOUND** Weighed down with water during wet winters, California's northern mountain ranges — like the Sierra Nevada, shown — rebound during dry summers. This seasonal flexing leads to an uptick in small quakes along some faults, new research finds.

Bill\_Daily/iStockphoto

[View the animation](#)

Winter weather brings seismic tremors. A new study reveals how water buildup and runoff throughout the year can increase stress along faults in California, triggering small earthquakes.

"This kind of observation is extremely important to constrain our models of earthquakes," says Jean-Philippe Avouac, a geologist at Caltech who was not involved in the study. Improved models could ultimately help scientists better forecast seismic activity.

Snow and rain compress mountain ranges in Northern California several millimeters during wet winter months. But with the weight of the water gone during the dry summers, the landscape lifts back up. This seasonal squeeze and release of the terrain puts stress on nearby faults, which can set off more small earthquakes.

Researchers compared observations of ground movement from 661 GPS stations in California with the state's earthquake record from 2006 to 2014. The landscape's seasonal, water-induced rise and fall corresponded to

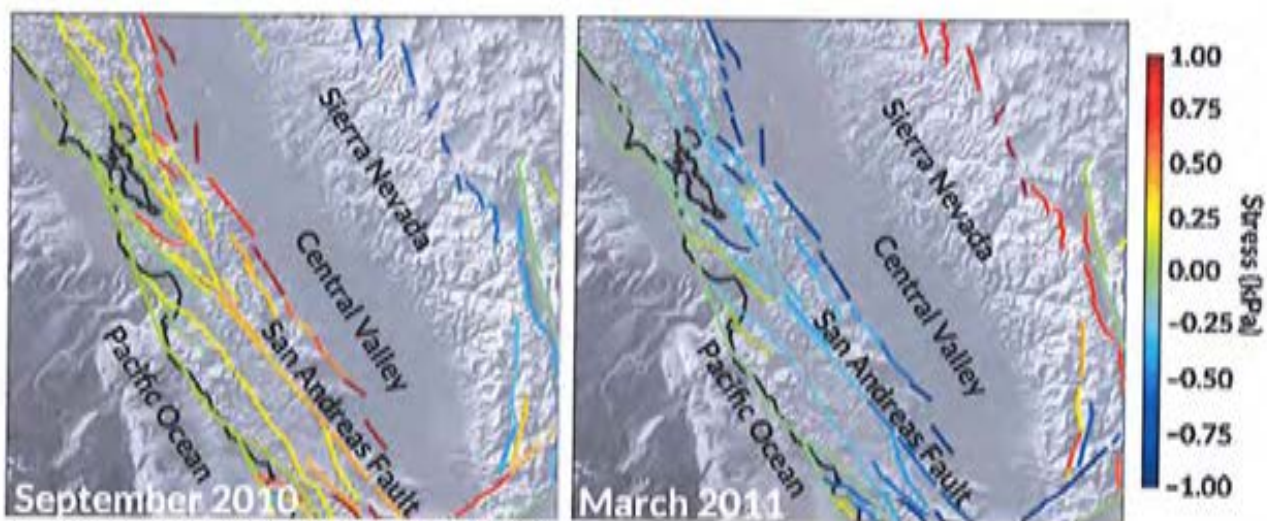


periodic increases in small quakes, scientists report in the June 16 *Science*. Most of the quakes were between magnitude 2 and 3 — so small that they wouldn't have been widely felt, says study coauthor Christopher Johnson, a seismologist at the University of California, Berkeley.

*Story continues after graphic*

### Stressed out

Faults in California react to seasonal water-induced stress in different ways. The San Andreas Fault system reaches peak stress after dry summer ends, making earthquake conditions most favorable around September (indicates a strong increase in stress along a fault; blue marks a strong decrease). Faults east of the Sierra Nevada experience more small earthquakes after wet winter months.



C. Johnson/Berkeley Seismological Laboratory

"It's not like there's an earthquake season," Johnson says. Some faults experience more significant stress increases when the land is compressed, others when the land rebounds, depending on the fault orientation. So different faults exhibit more small earthquakes at different times of year. For instance, faults along the Sierra Nevada's eastern edge have more tremors in late winter and early spring. But the San Andreas Fault system to the west sees more quakes in late summer and early fall, when water levels have dropped and the land is rebounding.

"We're not yet at the point where we could start applying this knowledge to the hazard forecast," Johnson says. But the new findings are helping geologists better understand what forces can trigger rumbles under our feet.

#### View the video:

<https://www.youtube.com/embed/Q-WW-LRr0RY>

**STRESS TESTED** This animation shows changes in stress on some California faults from 2006 to 2014 caused by shifting water weight on the landscape. Red indicates a strong increase in stress; dark blue or black shows a sharp decrease. Increasing stress can lead to an uptick in small earthquakes.

C.W. Johnson, Y. Fu and R. Bürgmann. [Seasonal water storage, stress modulation, and California seismicity](https://www.sciencenews.org/article/seasonal-water-storage-stress-modulation-and-california-seismicity).

T. Sumner. [Rainwater can help trigger earthquakes](https://www.sciencenews.org/article/rainwater-can-help-trigger-earthquakes). Science News Online, May 3, 2016.