

Cosumnes Groundwater Authority  
Meeting of the Board of Directors  
Agenda

**When:** 9:00 am – 12:00 pm, Monday, August 21, 2023

**Where:** Galt Police Department Community Room  
455 Industrial Drive  
Galt, CA 95632

**Zoom:** Via Zoom: <https://us02web.zoom.us/j/82188883168>  
Meeting ID: 821 8888 3168  
Call in Number: 1-669-444-9171

PUBLIC COMMENT – Any member of the public may address the Board concerning any matter on the agenda before or during its consideration of the matter. Public comment is limited to three (3) minutes per person. For good cause, the Board Chair may waive these limitations.

ACCESSIBILITY - If you have a disability and require a reasonable accommodation to fully participate in this event, please contact Austin Miller (CGA Secretary) before the day of the meeting via email [[info@CosumnesGroundwater.org](mailto:info@CosumnesGroundwater.org)] or telephone [916-526-5447] to discuss your accessibility needs.

**Call to Order**

1. Introductions (*5 minutes*)
  - a. Determine if Quorum is Present

**Consent Calendar**

2. Consent Items (*5 minutes*)
  - a. Agenda – August 21, 2023
  - b. Minutes – July 17, 2023
  - c. Financial Report – August 2023

**Regular Business Action Items**

3. Meeting Dates (*5 minutes*)
4. Technical Services Contract (*20 minutes*)
5. New Hope Road Monitoring Well (County of Sacramento Prop 68 Grant) (*20 minutes*)
6. New EKI Technical Services Contract (*20 minutes*)
7. Groundwater Sustainability Fee Study Development Update (*45 minutes*)

**Informational Items (45 minutes)**

8. Committee Reports
9. CGA Staff Report
10. CGA Counsel Report
11. DWR North Central Regional Office Update
12. Received Correspondence
13. Director/Member GSA Comments
14. Upcoming Agenda Items

**Public Comment on Non-Agenda Items (Limit of 3 minutes per speaker)**

15. Public Comment: *Comment will be received for items not on the agenda, but within the jurisdiction of the agency. The Board will hear comment but may not act on issues raised on non-agenda items.*

**Adjourn Meeting**

**Cosumnes Groundwater Authority  
Board of Directors Meeting**

Meeting Minutes  
July 17, 2023 - 9:00am

**Call to Order: 9:05am**

1) Introductions / Determine if Quorum is Present

Directors in Attendance: Gary Thomas, Mike Selling , Leo VanWarmerdam , Mark Stretars , Pat Hume, Chris Hunley, John Mulrooney, Lindsay Liebig

**Regular Business Action Items**

2) Consent Items

- a. Agenda – July 17, 2023
- b. Minutes – June 22, 2023
- c. Financial Report – July 2023

*Director Thomas moved to approve the consent calendar.*

*Director Liebig seconded the motion.*

*The motion passed with all in favor.*

**Regular Business Action Items**

3) 2023-2024 Work Plan

CGA Staff provided the calendar and overall work plan for this new Fiscal Year 2023 - 2024. The Board provided feedback on the calendar and timeline and suggested spreading out events in the Fall so things don't pile up.

4) Reaffirming CGA Counsel

The Board looked over the contract between Downey Brand and CGA and decided if they would like to reaffirm the contract and counsel of Rebecca Smith.

*Director Thomas moved to reaffirm Rebecca Smith/Downey Brand as CGA Counsel indefinitely/with no end date.*

*Director Liebig seconded the motion.*

*The motion passed with all in favor.*

5) Staff Services Contract Scope of Work

The Board looked over the updated Staff Services Contract Scope of Work which displayed the financials broken down for the 2023-2024 Fiscal year as well as the roles and responsibilities of staff members.

*Director Thomas moved to approve the Staff Services Contract Scope of Work*

*Director Liebig seconded the motion.*

*The motion passed with all in favor.*

#### 6) Membership Contribution

Counsel provided an overview of the 2023-2024 Fiscal Year Membership Contribution from the various GSA's and partners to CGA funding.

*Director Thomas moved to approve the 2023-2024 Fiscal Year Membership Contribution.*

*Director Selling seconded the motion.*

*The motion passed with all in favor.*

#### 7) WaterSMART Grant

Kristyn from EKI provided an overview on available grants CGA could apply for if they so choose such as the WaterSMART Applied Science Grants. The Board wanted to know what resources we have available to utilize these grants with our finances in regards to match. At the moment, the Board fears we do not have enough funds to match a grant but are open to applying to grants where match is not an option.

*Director Thomas made a motion to not approve the application for the WaterSMART Grant.*

*Director Mulrooney seconded the motion.*

*The motion passed with all in favor.*

#### 8) Fiscal Year 2023-2024 Regular Board Meeting Dates

The Board discussed a possible alternative meeting date for the Board to meet on a consistent basis besides the 3rd Monday of each month, which has been our current meeting date. No action was taken on this item. The Board will review this at the next Board meeting in August.

### **Informational Items**

#### 9) Committee Reports

CGA Staff provided an overview of the committee meetings coming up and their discussion topics/committee activities planned. The bulk of these committees will be reviewing and revising charters that were proposed in May 2023. A report will be brought to the Regular Board Meeting from said committees, after the fact.

#### 10) CGA Staff Reports

CGA Staff shared the EKI Technical Support Contract Update, the associated budget, features of the contract, etc. Kristyn from EKI provided some oversight into the online application and how it would assist in filling data gaps, privacy vs. public data available and the land use map in general. The Board voiced concerns over low participation

(since the Farmer's Survey had such low feedback), privacy and data sharing and funds/cost at this time. The Board also proposed an online application.

11) CGA Counsel Reports

Rebecca Smith from Downey Brand provided an update on applications relating to well and how they will be speaking to County Planning in the future in regards to this and have more information to share with the Board at the next meeting.

12) DWR North Central Regional Office Update

CGA Staff provided a written report/update sent in by the DWR North Central Regional Office.

13) Director/Member GSA Comments

Director Selling reported that there was a new well installed in their district that they did approve. Director Liebig provided an update that Director Wohle has unfortunately passed away as of July 2, 2023. Director Hunley shared an update on an upcoming board meeting with the County Board of Supervisors that may lead to the approval of a new well.

14) Upcoming Agenda Items

The following items were identified:

- a. Annual Report and Monitoring Contract
- b. Extension of Technical Support Contract
- c. Groundwater Sustainability Fee Study Development
- d. Future Presentations

15) Public Comment

Stephen Julian let the Board know that there will be a Flood Mar conference and field trip/tour in the first week of October.

**Adjourn Meeting**

*Chair Hunley adjourned the meeting by consensus at 11:15am.*

# Cosumnes Groundwater Authority

## Balance Sheet

As of August 18, 2023

	TOTAL
<b>ASSETS</b>	
Current Assets	
Bank Accounts	
Public Checking (4246) - 1	314,795.35
<b>Total Bank Accounts</b>	<b>\$314,795.35</b>
Accounts Receivable	
Accounts Receivable (A/R)	0.00
<b>Total Accounts Receivable</b>	<b>\$0.00</b>
<b>Total Current Assets</b>	<b>\$314,795.35</b>
<b>TOTAL ASSETS</b>	<b>\$314,795.35</b>
<b>LIABILITIES AND EQUITY</b>	
Liabilities	
Current Liabilities	
Accounts Payable	\$27,314.28
<b>Total Current Liabilities</b>	<b>\$27,314.28</b>
<b>Total Liabilities</b>	<b>\$27,314.28</b>
Equity	\$287,481.07
<b>TOTAL LIABILITIES AND EQUITY</b>	<b>\$314,795.35</b>

# Cosumnes Groundwater Authority

## Accounts Payable

As of August 18, 2023

VENDOR	MEMO/DESCRIPTION	AMOUNT	DATE
1 - 30 days past due			
EKI Environment & Water	June 2023 Technical Services - DMS and 'Other'	6,853.60	08/16/2023
Austin Miller	Office Supplies July 2023	193.20	08/17/2023
Sloughhouse Resource Conservation District	SRCD Staff Services - July 2023	12,400.00	08/17/2023
<b>Total for 1 - 30 days past due</b>		<b>\$19,446.80</b>	
Current			
Downey Brand	Legal Services through June 2023	3,916.00	07/17/2023
EKI Environment & Water	July 2023 Technical Services	3,951.48	07/17/2023
<b>Total for Current</b>		<b>\$7,867.48</b>	
<b>TOTAL</b>		<b>\$27,314.28</b>	

July 2023 - June 2024

		TOTAL		
	ACTUAL	BUDGET	OVER BUDGET	% OF BUDGET
Income				
4100 Member Contributions		425,730.00	-425,730.00	
<b>Total Income</b>	<b>\$0.00</b>	<b>\$425,730.00</b>	<b>\$ -425,730.00</b>	<b>0.00%</b>
GROSS PROFIT	<b>\$0.00</b>	<b>\$425,730.00</b>	<b>\$ -425,730.00</b>	<b>0.00 %</b>
Expenses				
5000 Staff Personnel Expenses (Contract)				
Personnel - SRCDD	18,800.00	161,000.00	-142,200.00	11.68 %
Personnel - SSCAWA	6,380.00		6,380.00	
<b>Total 5000 Staff Personnel Expenses (Contract)</b>	<b>25,180.00</b>	<b>161,000.00</b>	<b>-135,820.00</b>	<b>15.64 %</b>
5100 Legal Services	3,916.00	30,000.00	-26,084.00	13.05 %
5200 Public Outreach		5,000.00	-5,000.00	
5400 Annual Report Technical Support		33,000.00	-33,000.00	
5410 Data Management System	735.28	10,000.00	-9,264.72	7.35 %
5420 Other Technical Support	10,069.80	125,000.00	-114,930.20	8.06 %
5430 Monitoring		15,000.00	-15,000.00	
5500 Miscellaneous. Expenses	303.20	3,000.00	-2,696.80	10.11 %
5600 Financial Audit and Accounting Services		12,500.00	-12,500.00	
5640 Funding Exploration		20,000.00	-20,000.00	
5650 Funding Study Development		65,000.00	-65,000.00	
5700 Data Gaps		45,000.00	-45,000.00	
Unapplied Cash Bill Payment Expense		10,000.00	-10,000.00	
<b>Total Expenses</b>	<b>\$40,204.28</b>	<b>\$534,500.00</b>	<b>\$ -494,295.72</b>	<b>7.52 %</b>
NET OPERATING INCOME	<b>\$ -40,204.28</b>	<b>\$ -108,770.00</b>	<b>\$68,565.72</b>	<b>36.96 %</b>
NET INCOME	<b>\$ -40,204.28</b>	<b>\$ -108,770.00</b>	<b>\$68,565.72</b>	<b>36.96 %</b>



## Cosumnes Groundwater Authority - DRAFT Cash Flow Projection 2023-2024

Budget Item	Total Budget	Total Cash Flow Estimate	Jul.	Aug.	Sep.	Oct.
<b>EXPENSES</b>						
Personnel	\$ 161,000	\$ 143,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Legal	\$ 30,000	\$ 27,916	\$ 3,300	\$ 3,916	\$ 2,000	\$ 2,000
Public Outreach Supplies	\$ 5,000	\$ 5,000				\$ 2,500
Annual Report	\$ 33,000	\$ 33,000				
Data Management System	\$ 10,000	\$ 7,000				
Other Technical Services	\$ 75,000	\$ 67,804		\$ 10,804	\$ 7,500	\$ 5,500
Monitoring	\$ 15,000	\$ 20,000				\$ 15,000
Miscellaneous	\$ 3,000	\$ 3,000	\$ 200	\$ 200	\$ 250	\$ 250
Financial Audit	\$ 12,500	\$ 20,000			\$ 10,000	
Grant Funding Exploration	\$ 20,000	\$ -				
Post-GSP Fee Establishment	\$ 65,000	\$ 65,000			\$ 5,000	\$ 10,000
Other PMAs + Data Gaps	\$ 45,000	\$ 30,000			\$ 30,000	
Responding to State Comments	\$ 50,000	\$ 50,000				
Grant Development	\$ -	\$ -				
Contingency	\$ 10,000	\$ -				
<b>EXPENSES Total</b>	<b>\$ 534,500</b>	<b>\$ 471,720</b>	<b>\$ 16,500</b>	<b>\$ 27,920</b>	<b>\$ 67,750</b>	<b>\$ 48,250</b>
<b>REVENUE (Member Contributions)</b>						
Sloughhouse RCD	\$ 148,402	\$ 148,402				
City of Galt	\$ 15,000	\$ 15,000				\$ 15,000
Amador CGMA	\$ 5,000	\$ 5,000				\$ 5,000
Galt Irrigation District	\$ 156,749	\$ 156,749				
Clay Water District	\$ 21,737	\$ 21,737				
OH Water District	\$ 23,241	\$ 23,241				
County of Sacramento	\$ 55,601	\$ 55,601				
<b>REVENUE Total</b>	<b>\$ 425,730</b>	<b>\$ 425,730</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,000</b>
<b>Difference</b>	<b>\$ (108,770)</b>	<b>\$ (45,990)</b>		<b>\$ (27,920)</b>	<b>\$ (67,750)</b>	<b>\$ (28,250)</b>
<b>August 1, 2023 Account Total</b>	<b>\$</b>	<b>278,186</b>		<b>\$ 250,266</b>	<b>\$ 182,516</b>	<b>\$ 154,266</b>
<b>Estimated End Total</b>	<b>\$ 169,416</b>	<b>\$ 232,196</b>				
	<b>Projected Year End</b>					

Drafted August 17, 2023 by A. Miller for Board Discussion

Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.2024
\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
\$ 2,000	\$ 2,000	\$ 4,000	\$ 4,000	\$ 2,000	\$ 2,000	\$ 2,000	\$ 2,000
		\$ 2,500					
		\$ 5,000	\$ 13,000	\$ 13,000	\$ 2,000		
		\$ 3,000	\$ 4,000				
\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500	\$ 5,500
				\$ 5,000			
\$ 250	\$ 250	\$ 250	\$ 250	\$ 250	\$ 250	\$ 250	\$ 550
		\$ 10,000					
	\$ 5,000	\$ 15,000	\$ 15,000	\$ 10,000	\$ 5,000		
	\$ 10,000	\$ 20,000	\$ 20,000				
<b>\$ 20,750</b>	<b>\$ 35,750</b>	<b>\$ 78,250</b>	<b>\$ 74,750</b>	<b>\$ 48,750</b>	<b>\$ 27,750</b>	<b>\$ 20,750</b>	<b>\$ 21,050</b>
					\$ 90,000		\$ 58,402
					\$ 96,749		\$ 60,000
					\$ 21,737		
					\$ 23,241		
					\$ 55,601		
<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 287,328</b>	<b>\$ -</b>	<b>\$ 118,402</b>
<b>\$ (20,750)</b>	<b>\$ (35,750)</b>	<b>\$ (78,250)</b>	<b>\$ (74,750)</b>	<b>\$ (48,750)</b>	<b>\$ 259,578</b>	<b>\$ (20,750)</b>	<b>\$ 97,352</b>
\$ 133,516	\$ 97,766	\$ 19,516	\$ (55,234)	\$ (103,984)	\$ 155,594	\$ 134,844	\$ 232,196

**Cosumnes Groundwater Authority  
Board of Directors Meeting**

Agenda Date: August 21, 2023

Agenda Item #: 3

Agenda Item Subject: Fiscal Year 2023-2024 Regular Board Meeting Dates

To: CGA Board of Directors

From: CGA Staff

**Background**

To provide meeting materials earlier than the current workflow allows, the CGA Board may decide to select a new regular meeting schedule. Below is a table that includes a variety of options that were chosen to avoid holidays and GSA meetings.

Month	3rd Monday (Current)	1st Wednesday	3rd Wednesday	3rd Thursday
July-23	<del>17-Jul</del>	<del>5-Jul</del>	<del>19-Jul</del>	<del>20-Jul</del>
August-23	<del>21-Aug</del>	<del>2-Aug</del>	<del>16-Aug</del>	<del>17-Aug</del>
September-23	18-Sep	18-Sep*	20-Sep	21-Sep
October-23	16-Oct	4-Oct	18-Oct	19-Oct
November-23	20-Nov	1-Nov	15-Nov	16-Nov
December-23	18-Dec	6-Dec	20-Dec	21-Dec
January-24	15-Jan	3-Jan	17-Jan	18-Jan
February-24	19-Feb	7-Feb	21-Feb	22-Feb
March-24	18-Mar	6-Mar	20-Mar	21-Mar
April-24	15-Apr	3-Apr	17-Apr	18-Apr
May-24	20-May	1-May	15-May	16-May
June-24	17-Jun	5-Jun	19-Jun	20-Jun
July-24	15-Jul	3-Jul	17-Jul	18-Jul
Indicates holiday or near holiday.			Indicates Staff Recommendation.	
*September Meeting will be held during the current scheduled date (Sept. 18).				

**Recommendations**

- Approve a Fiscal Year 2023-2024 Meeting Schedule.

**Cosumnes Groundwater Authority  
Board of Directors Meeting**

Agenda Date: August 21, 2023

Agenda Item #: 4

Agenda Item Subject: Technical Services Contract Scope of Work

To: CGA Board of Directors

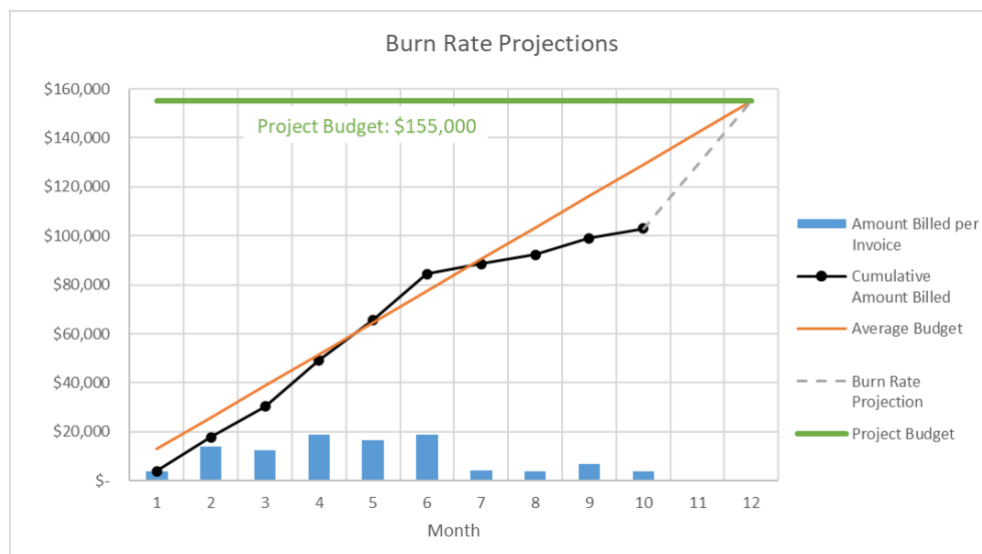
From: CGA Staff

**Background**

*EKI Technical Services Scope of Work CURRENT (October 2022-September 2023)*

The CGA Board entered into a contract with EKI in October 2022. This Contract is scheduled to be active for 12 months, through October 2023. The below table articulates how much has been spent by Task.

TASK	Contract Amount	Current Total	Remaining
Task 1 – WY 2022 Annual Report	\$33,000	\$33,585	-\$585
Task 2 – DMS Support	\$15,000	\$994	\$14,006
Task 3 – Outreach Activities	\$32,000	\$693	\$31,307
Task 4 – Grant Support	\$13,000	\$23,105	-\$10,105
Task 5 – GSP Technical Support	\$62,000	\$40,731	\$21,269
<b>TOTAL</b>	<b>\$155,000</b>	<b>\$99,108</b>	<b>\$55,892</b>



The next table articulates what is anticipated to be spent in the remaining months of the Contract and the remaining anticipated balance (\$36,941).

<b>TASK</b>	<b>Contract Amount</b>	<b>Current Total</b>	<b>Projected Total</b>	<b>Projected Remaining</b>
Task 1 – WY 2022 Annual Report	\$33,000	\$33,585	\$0	-\$585
Task 2 – DMS Support	\$15,000	\$994	\$0	\$14,006
Task 3 – Outreach Activities	\$32,000	\$693	\$5,000	\$26,307
Task 4 – Grant Support	\$13,000	\$23,105	\$0	-\$10,105
Task 5 – GSP Technical Support	\$62,000	\$40,731	\$13,951	\$7,318
<b>TOTAL</b>	<b>\$155,000</b>	<b>\$99,108</b>	<b>\$18,951</b>	<b>\$36,941</b>

CGA Staff and EKI would like Board input on how to best utilize the remaining funds in this contract. Options include:

- Outreach & Engagement Support
- Groundwater/Land Use Dashboard
- Finalization of New Hope Road Monitoring Well

#### **Staff Recommendations (SOW)**

- Direct Staff/EKI on how to utilize remaining budget from the CURRENT Scope of Work.

**Cosumnes Groundwater Authority  
Board of Directors Meeting**

Agenda Date: August 21, 2023

Agenda Item #: 5

Agenda Item Subject: New Hope Road Monitoring Well

To: CGA Board of Directors

From: CGA Staff

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**Background:**

The intent of the proposed groundwater monitoring wells is to fill in data gaps within the Cosumnes Subbasin including monitoring and evaluation efforts for Interconnected Surface Water (ISW) and Groundwater Dependent Ecosystems (GDEs). The improved data from these monitoring wells aims to address data gaps related to stream depletions, water level changes, and groundwater conditions along the Cosumnes River, where monitoring has been lacking.

To obtain the ISW and GDE information, the proposed location is adjacent to the Cosumnes River and Grizzly Slough at 8101 New Hope Road, Galt, CA. The available parcel ion CA DWR owned property and thus requires a DWR encroachment permit. The County and technical staff have been working with DWR staff to procure the encroachment permit for over two-years. Despite the progress made in obtaining an extension on the Proposition 68 grant related to monitoring well construction, challenges in the encroachment permit process have resulted in significant delays in the monitoring well construction timeline. This delay has led to higher-than-expected costs for the project, and there is a \$30,000 shortfall to complete monitoring well construction.

**ENCROACHMENT PERMIT TIMELINE:**

- July 20, 2021: Encroachment permit application submitted
- October 20, 2021: DWR requested Environmental Documentation (biological survey, cultural survey, etc.) to support CEQA Exemption
- December 9, 2021: DWR comments received for the July 20, 2021 application
- March 1, 2022: Biological Survey to support Sacramento County's Categorical Exemption 15303 under CEQA
- March 1, 2022: Cultural Resources Survey and Report
- March 14, 2022: Encroachment permit application resubmitted with responses to DWR
- May 15, 2022: DWR provided comments on the March 14, 2022 application, followed by multiple follow-up submittals
- August 25, 2022: Native American Heritage Commission Sacred Lands file record search and Native American Tribe Consultation completed
- September 12, 2022: Monument Survey
- October 5, 2022: Encroachment permit application resubmitted with responses to DWR
- October 7, 2022: Prop 68 extension request submitted to DWR DFA
- December 27, 2022: Prop 68 extension request approved
- February 27, 2023: Encroachment Permit approved
- March 1, 2023 – September 15, 2023: Swainson hawk breeding season (no drilling)
- September 18, 2023: Well drilling scheduled

**MONITORING WELL COSTS:**

- Current Total Cost: **\$90,000**
- Available Remaining Grant Funds (COB Friday): **\$60,000**
- Shortfall: **\$30,000**

**Assumptions:**

- Collaborative Efforts, not included in the budget:
  - Procure County staff to meet the biological expert instruction/guidance requirement.
  - Procure local landowner's permission for disposal of drilling cuttings on their property.
- No unexpected native artifacts or biological concerns encountered during construction.

**Additional Funding Sources and Options:**

- Data Gaps Budget Authorization:
  - CGA Board authorizes bridge funds through the other PMAs and Data Gaps Budget).
    - **Up to \$30,000** for monitoring well related costs
- CGA Contribution / EKI Funding Authorization:
  - CGA Board approved **\$7,500** monitoring well construction reserve at March 21, 2022, Board Meeting (Agenda Item 5) from CGA Data Gaps Budget.
  - Remaining **\$22,500** from projected remaining EKI contract capacity (funded through CGA other technical services Budget.)

Funding Options	Remaining Grant Funds	CGA Data Gaps Budget	EKI Contract	TOTAL
<b><u>Option 1: CGA Data Gaps Budget</u></b>	\$60,000	\$30,000	--	\$90,000
<b><u>Option 2: CGA contribution &amp; remaining EKI contract funding</u></b>	\$60,000	\$7,500	\$22,500	\$90,000
<b><u>Option 3: Don't move forward with well construction</u></b>	--	--	--	--

**STAFF RECOMMENDATION**

Provide funding authorization to complete construction of monitoring wells at 8101 New Hope Road, up to \$30,000.

# EKI TECHNICAL PRESENTATION #39

## COSUMNES SUBBASIN GSP IMPLEMENTATION

21 AUGUST 2023

COSUMNES GROUNDWATER AUTHORITY BOARD OF DIRECTORS MEETING



# GRANT AGREEMENT 4600012903

- Sustainable Groundwater Planning Grant Amendment 5: Prop 1 & Prop 68 agreement with Sacramento County
- Project Title: Cosumnes Subbasin GSP Development and Well Installation Project
  - ☐ Category a: Grant Admin
  - ☒ Category b: Planning Activities
  - ☒ Category c: Stakeholder Engagement
  - ☒ Category d: GSP Development
    - GSP Foundation, Basin Characterization & Analysis, Sustainability Planning, Geophysical Investigation, Isotopic Recharge Characterization Study, Groundwater Dependent Ecosystems (GDE) Verification, Voluntary Groundwater Extraction Instrumentation, and Model Refinements

## ☐ Category e: Monitoring Well Installation

### EXHIBIT A WORK PLAN

GRANT AGREEMENT BETWEEN THE STATE OF CALIFORNIA  
(DEPARTMENT OF WATER RESOURCES) AND  
COUNTY OF SACRAMENTO  
AGREEMENT NUMBER 4600012903  
SUSTAINABLE GROUNDWATER PLANNING (SGWP) GRANT  
AMENDMENT #5

THIS GRANT AGREEMENT is entered into by and between the Department of Water Resources of the State of California, herein referred to as the "State" or "DWR" and the County of Sacramento, a public agency in the State of California, duly organized, existing, and acting pursuant to the laws thereof, herein referred to as the "Grantee," which parties do hereby agree the Original Agreement is hereby amended and replaced in its entirety as follows:

- 1) **PURPOSE.** The State shall provide funding from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1) and the California Drought, Water, Parks, Climate, Coastal Protection, and Outdoor Access for All Act of 2018 (Proposition 68) to assist the Grantee in financing the Cosumnes Subbasin Groundwater Sustainability Plan (GSP) Development and Well Installation Project (Project) that will improve sustainable groundwater management, pursuant to Water Code Section 79700 et seq. The provision of State funds pursuant to this Agreement shall result in an adopted GSP by the applicable Groundwater Sustainability Agency (GSA) and submitted to the Department of Water Resources (DWR) via the Sustainable Groundwater Management Act (SGMA) GSP Submittal Portal for review. The provisions of State funds does not guarantee adoption of the GSP by the applicable GSA or that the GSP will meet all the evaluation and assessment criteria when submitted to DWR as required by SGMA and implementing regulations.
- 2) **TERM OF GRANT AGREEMENT.** The term of this Grant Agreement begins on the date this Grant Agreement is executed by the State, through final payment plus three (3) years unless otherwise terminated or amended as provided in this Grant Agreement. However, all work shall be completed by OCTOBER 31, 2023 in accordance with the Schedule as set forth in Exhibit C and no funds may be requested after DECEMBER 31, 2023.
- 3) **GRANT AMOUNT.** The maximum amount payable by the State under this Grant Agreement shall not exceed \$1,750,000.
- 4) **GRANTEE COST SHARE.** The Grantee is required to provide a Local Cost Share (non-State funds) as set forth in Exhibit B (Budget). Local Cost Share may include Eligible Project Costs directly related to Exhibit A incurred after January 1, 2015, for Proposition 1 funds and incurred after May 18, 2016, for Proposition 68 funds.
- 5) **BASIC CONDITIONS.** The State shall have no obligation to disburse money for the Project under this Grant Agreement until the Grantee has satisfied the following conditions (if applicable):
  1. Prior to execution of this Grant Agreement, selected applicants (Groundwater Sustainability Agency) for GSP Development projects must submit evidence of a notification to the public and DWR prior to initiating development of a GSP in compliance with California Code of Regulations, title 23, Section 350 et seq. (GSP Regulations) and Water Code Section 10727.8.
  2. The Grantee must demonstrate compliance with all eligibility criteria as set forth in the 2015 Grant Program Guidelines, 2017 Program Guidelines, and 2019 Program Guidelines for the Sustainable Groundwater Management (SGM) Grant Program.
  3. For the term of this Grant Agreement, the Grantee submits Quarterly Progress Reports, associated invoices, and invoice backup documentation within 60 days following the end of the calendar quarter (e.g. submitted by May 30, August 30, November 30, and February 28) and all other deliverables as required by Paragraph 16, "Submission of Reports" and Exhibit A.

# JUSTIFICATION FOR MONITORING WELL INSTALLATION

- Grant Application - Fills major Cosumnes Basin Data Gaps:
  - Lack of wells to monitor shallow water table conditions near the Cosumnes River and Groundwater Dependent Ecosystems (GDEs)
  - Lack of data to develop relationships between river stage, groundwater levels, groundwater extractions, and surface water depletions.
- Meets data gaps identified in Section 9.7.1. Groundwater Conditions Data Gaps of the Cosumnes GSP
- Meets proposed monitoring network improvements as described in Section 17.4. Assessment and Improvements of Monitoring Network of the Cosumnes GSP

Recent improvements to the fish ladders at Granites Dam and flashboard dam foundation by The Fishery Foundation of California has restored passage for salmon to reach their spawning habitats.<sup>48</sup>

The interconnected surface water monitoring conducted as part of GSP implementation (see Section 17.4. Monitoring Network) and data generated following the planned construction of new monitoring wells will improve characterization of GDEs and other surface-water dependent species with an emphasis on water table conditions, seasonal and annual climate fluctuations, and instream flow requirements.

**9.7.1. Groundwater Conditions Data Gaps**

Data gaps and uncertainties identified during development of the Groundwater Conditions for the Basin include:

- Water level data are important for evaluating groundwater conditions in the Basin and can be used to estimate both horizontal and vertical groundwater flow directions and used as proxy to evaluate changes in groundwater storage over time. Well construction information (i.e., completed depth and perforated intervals) is required to link the water level data to a depth within the Principal Aquifer. Water level data exists for 194 (29%) of the wells (including water level data for periods prior to the late 1990s) within the Basin DMS, however the completed perforated interval is known for only 40% of these wells.
- The DWR recommends that historical water budget assessments use at least the most recent 10 years of information and develop water year types based on 30-year averages (DWR, 2016c). A total of 55 wells have at least 10 consecutive years of annual groundwater level records during the last 30 years and can provide “representative” hydrologic trends in the Basin (28% of all 194 wells having water level data records). Of these 55 wells, well depth is known for 44 (80%) and perforated interval is known for 35 (64%). These data sets may be useful to characterize historical groundwater trends during parts of the past 30 years, but their utility can be limited by lack of continuous records and well construction information.
- Well pairs can provide measured differences in groundwater levels with depth, infer vertical groundwater flow gradients in the Principal Aquifer, and identify perched groundwater conditions. Only ten sites with shallow/deep well pairs have been identified within the Basin, and none of the wells are shallow enough to represent potentially perched groundwater. The available well pairs are limited to areas near the northeastern and western portion of the Basin in Sacramento County, and the southeastern portion of the Basin in Amador County, indicating also lack of potential sites and data within a large interior portion of the Basin.
- The Basin DMS contains information for 61 shallow wells that are constructed to depths less than 150 ft bgs. While several shallow wells are located near surface water features, few to none are located adjacent to an existing river/stream gauging station, and no pairs are shallow enough and close enough to identify potentially perched groundwater conditions. These deficiencies introduce uncertainty when comparing shallow groundwater level and stream stage data. Four gauging

**17.4. Assessment and Improvement of Monitoring Network**

**§ 354.38. Assessment and Improvement of Monitoring Network.**

(a) Each Agency shall review the monitoring network and include an evaluation in the Plan and each five-year assessment, including a determination of uncertainty and whether there are data gaps that could affect the ability of the Plan to achieve the sustainability goal for the basin.

(b) Each Agency shall identify data gaps wherever the basin does not contain a sufficient number of monitoring sites, does not monitor sites at a sufficient frequency, or utilizes monitoring sites that are unreliable, including those that do not satisfy minimum standards of the monitoring network adopted by the Agency.

(c) If the monitoring network contains data gaps, the Plan shall include a description of the following:

- (1) The location and reason for data gaps in the monitoring network.
- (2) Local issues and circumstances that limit or prevent monitoring.

(d) Each Agency shall describe steps that will be taken to fill data gaps before the next five-year assessment, including the location and purpose of newly added or installed monitoring sites.

(e) Each Agency shall adjust the monitoring frequency and density of monitoring sites to provide an adequate level of detail about site-specific surface water and groundwater conditions and to assess the effectiveness of management actions under circumstances that include the following:

- Minimum threshold exceedances.
- Highly variable spatial or temporal conditions.
- Adverse impacts to beneficial uses and users of groundwater.
- The potential to adversely affect the ability of an adjacent basin to implement its Plan or impede achievement of sustainability goals in an adjacent basin.

ed in the SGMA compliant monitoring program will be filled as part of GSP and include:

unavailable construction information for some of the RMW-WLs, RMW-WQs, and

water gauges or inactive measurement and recording of flow and/or stage on Dry

monitoring wells representing multiple depths are limited but needed to quantify

tween water table elevation changes and extractions from deeper water supply wells

the Cosumnes River and Dry Creek. These multi-depth monitoring sites can also help

le perched groundwater conditions in areas with GDEs.

is filling data gaps, that will be completed before the next five-year assessment, by

wells as part of the Basin GSP Development and Well Installation Project. The plans

th site designed to measure water levels in an inferred perched aquifer (less than 50

dwater surface) and water levels at deeper depths associated with the perforated

ons wells (greater than 100 feet below groundwater surface). The SGMA Monitoring

evaluated in each five-year GSP update, including a determination of uncertainty and

additional data gaps that could affect the ability of the GSP to achieve the Sustainability

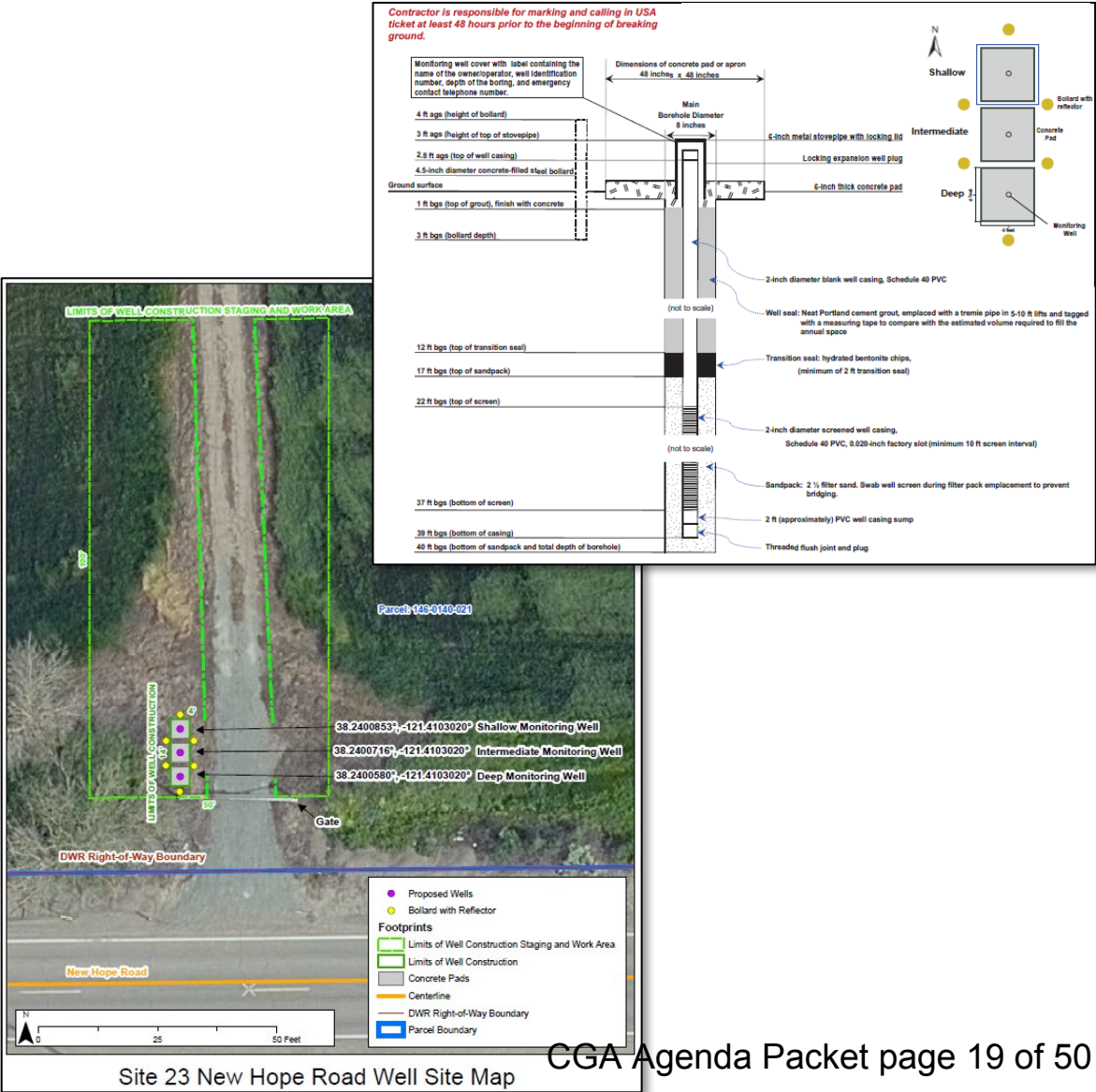
Groundwater Conditions  
Data Gaps

Proposed Monitoring  
Network Improvements



# CATEGORY E: MONITORING WELL INSTALLATION

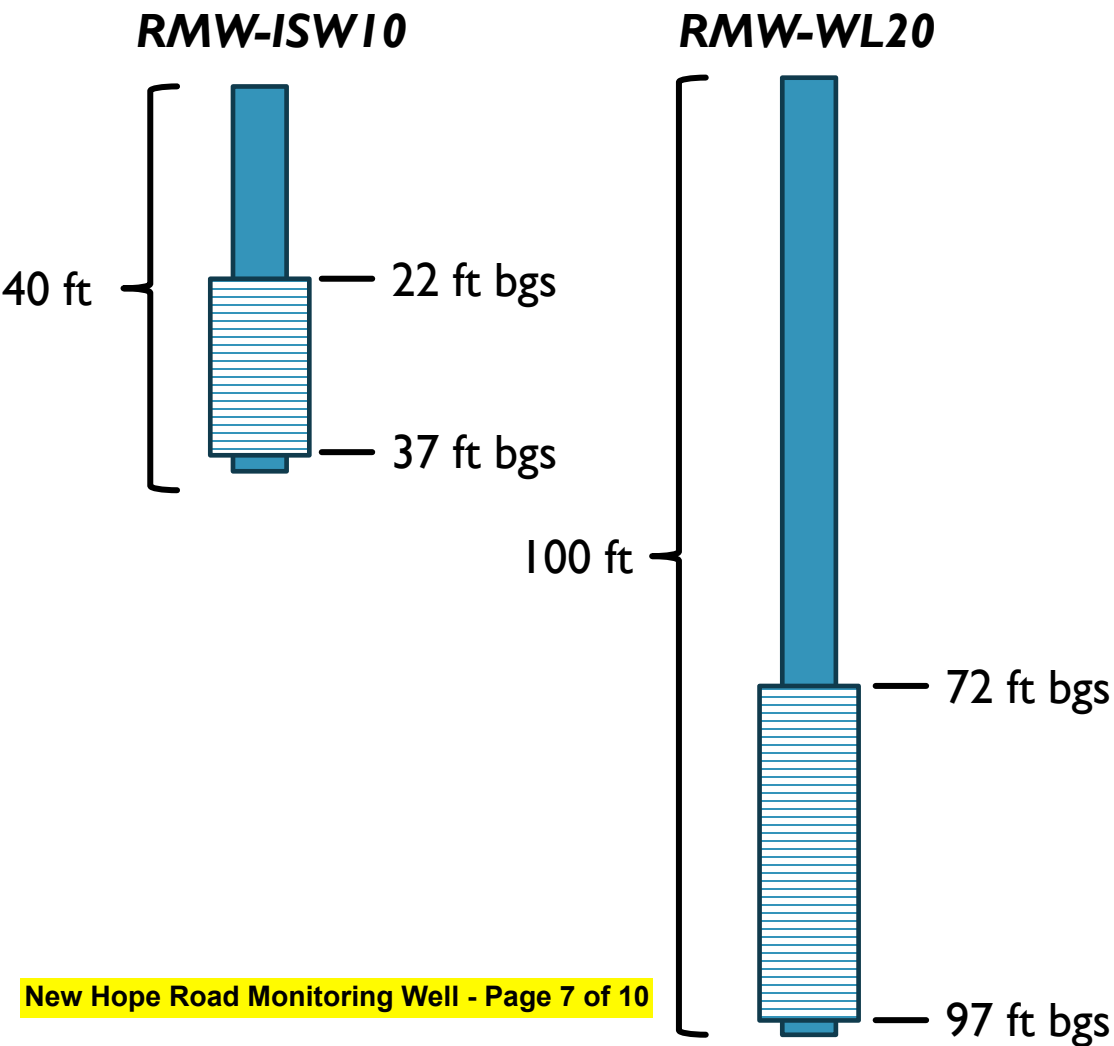
- Install a minimum of two monitoring wells to monitor groundwater levels adjacent to confirmed Groundwater Dependent Ecosystems (GDEs) and other surface water features.
- ✓ Task 1: Well Siting (based on GDE Verification study)
- ✓ Task 2: Well Design, Permitting, and Environmental (based on Geophysical studies)
- Task 3: Well Installation **(Scheduled for 9/18)**
- Task 4: Well Survey
- Task 5: Water Level Instrumentation





# PROP 68 MW INSTALLATION

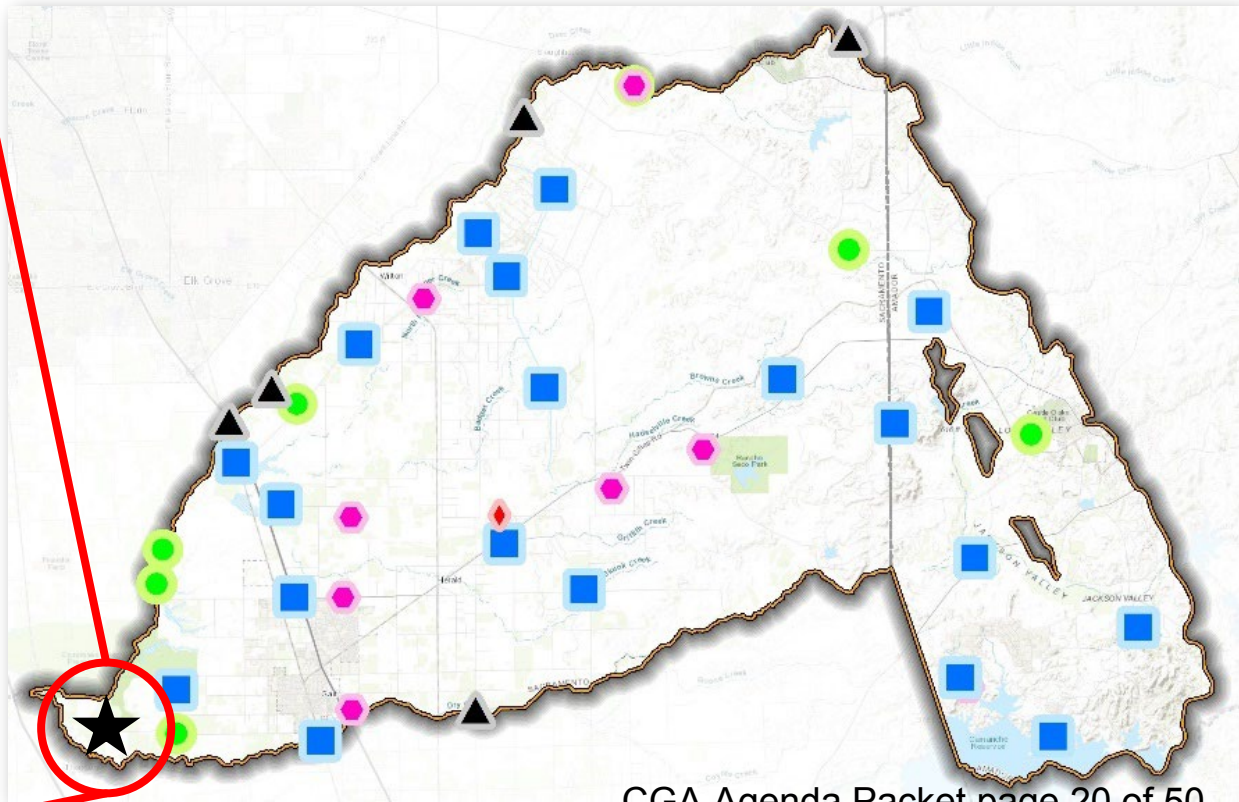
## Proposed Wells



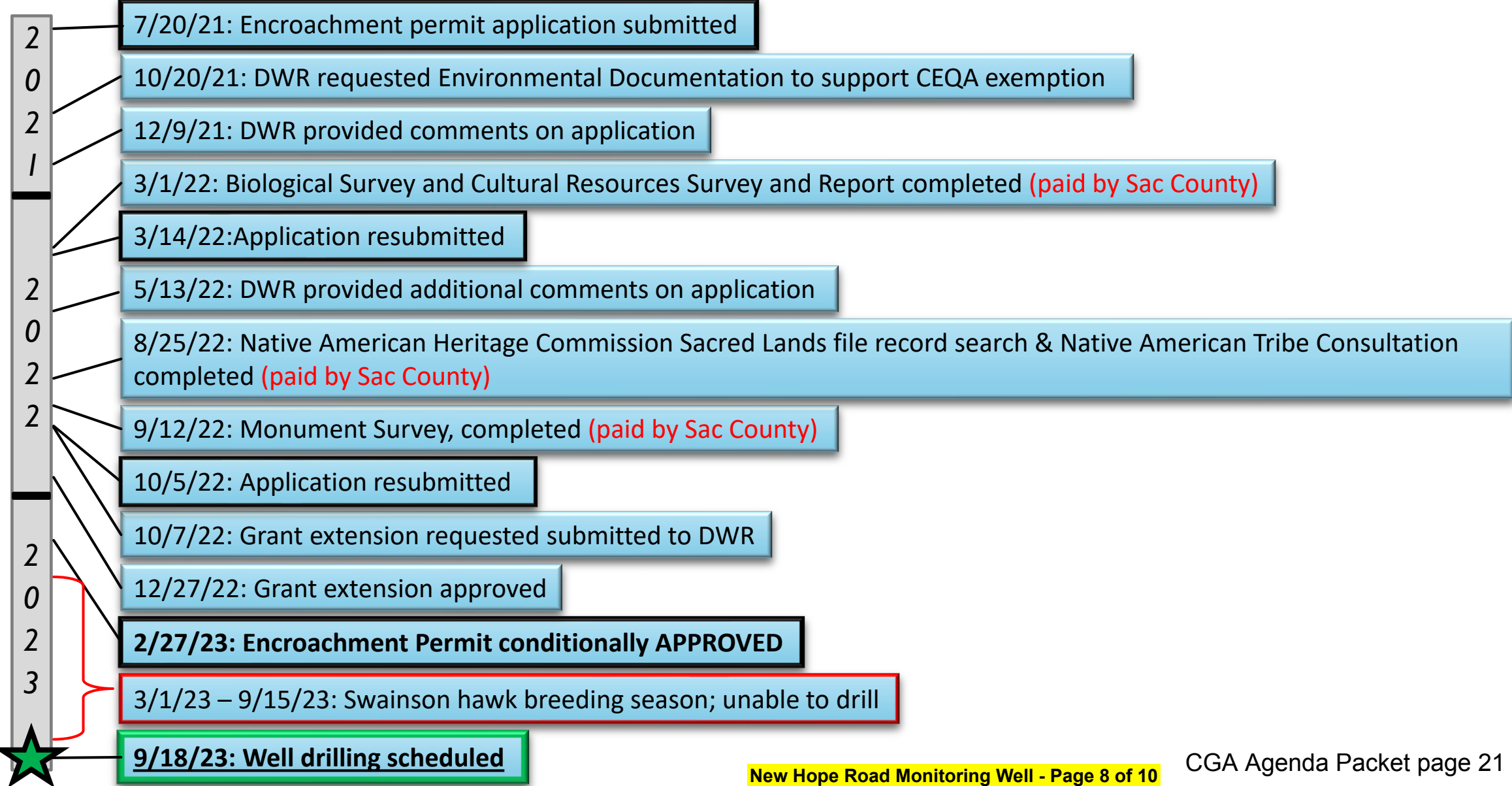
New Hope Road Monitoring Well - Page 7 of 10

- Legend**
- Cosumnes Subbasin (5-022.16)
  - Subsidence Monitoring Station
  - Monitoring Gage
  - Water Level Monitoring Site
  - Water Quality Monitoring Site
  - Interconnected Surface Water Monitoring Site

## SGMA Monitoring Networks



# PERMITTING HURDLES/TIMELINE



# MW INSTALLATION COSTS

**Action item:** CGA to choose Funding Option

- Estimated cost to complete well:  
~\$90,000
- Remaining grant funds: \$60,000
- Shortfall: \$30,000
  - Options for Funding the Shortfall
    1. CGA Data Gaps Budget (\$30,000)
    2. CGA contribution (approved \$7,500 from Data Gap budget on March 21, 2022) & remaining funds from the EKI contract (\$22,500)
    3. Don't move forward with well construction (\$0)

Funding Options	Remaining Grant Funds	CGA Data Gaps Budget	EKI Contract	TOTAL
<u>Option 1: CGA Data Gaps Budget</u>	\$60,000	\$30,000	--	\$90,000
<u>Option 2: CGA contribution &amp; remaining EKI contract funding</u>	\$60,000	\$7,500	\$22,500	\$90,000
<u>Option 3: Don't move forward with well construction</u>	--	--	--	--

# MW INSTALLATION NEEDS

- **EKI**: Purchase and install construction fencing; purchase, install and monitor erosion control measures; contract and direct drilling operations and well construction; log borehole cuttings; sample borehole cuttings for waste characterization and oversee transport and spreading at approved site; survey well location and measurement point elevation; purchase and install pressure transducers; prepare and submit well completion report to DWR, construction as-builts to DWR Real Estate Branch, and Well Construction Report to meet DWR Grant Requirements.
- **Sac County**: Biologist to provide mandatory Worker Environmental Awareness Training prior to commencement of well installation activities.
- **CGA**: Provide area to dispose of cuttings (Gary Silva?), observe and record well development (with guidance from EKI).



## Cosumnes Groundwater Authority Board of Directors Meeting

Agenda Date: August 21, 2023  
 Agenda Item #: 6  
 Agenda Item Subject: New EKI Technical Services Contract

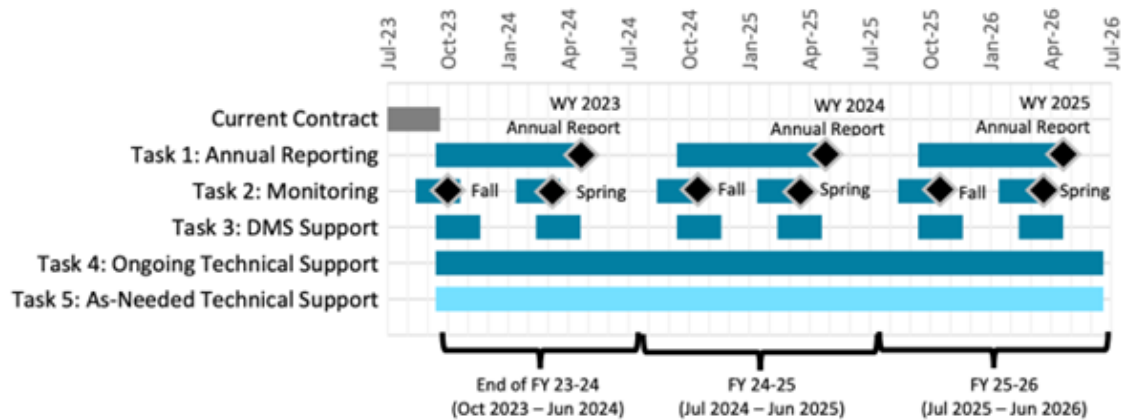
To: CGA Board of Directors  
 From: CGA Staff

### Background

*EKI Technical Services Scope of Work PROPOSED (3 years, October 2023-June 2026)*

At the direction of the CGA Board, EKI has prepared a scope of work to support our monitoring efforts, data management system, annual report development, and ongoing technical support for a 3 year period.

**Figure 1. Proposed Schedule**



**Table 2. Proposed Project Budget**

TASK	FY 23-24	FY 24-25	FY 25-26	Total Cost
Task 1 – WY 2023-2025 Annual Report	\$33,000	\$33,000	\$33,000	<b>\$99,000</b>
Task 2 – WY 2023-2025 Groundwater Monitoring	\$20,000	\$20,000	\$20,000	<b>\$60,000*</b>
Task 3 – DMS Support	\$7,000	\$7,000	\$7,000	<b>\$21,000</b>
Task 4 – GSP Implementation Technical Support to CGA	\$50,000	\$65,000	\$65,000	<b>\$180,000</b>
<b>TOTAL</b>	<b>\$110,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$360,000</b>
Task 5 – On-call Technical Support	TBD (\$50,000)	TBD (\$25,000)	TBD (\$25,000)	<b>\$100,000**</b>
<b>TOTAL (including Task 5)</b>	<b>\$160,000</b>	<b>\$150,000</b>	<b>\$150,000</b>	<b>\$460,000***</b>



This scope of work is aligned with the Fiscal Year 2023-2024 Budget adopted by the CGA Board:

Activity	CGA Budget Amount	Other Commitments	Contract Amount
Annual Report Development	\$33,000	None	\$33,000
Groundwater Monitoring Network	\$15,000	None	\$20,000
DMS Support	\$10,000	None	\$7,000
Technical Support	\$75,000	\$19,000 <i>(Current EKI Contract)</i>	\$50,000
Other	\$50,000 <i>(Response to State Comments)</i>	None	\$50,000
<b>Totals</b>	<b>\$183,000</b>	<b>\$19,000</b>	<b>\$160,000</b>

**Staff Recommendations (SOW)**

- Authorize the EKI Technical Services Scope of Work for October 2023-June 2026.

August 14, 2023

## SCOPE OF WORK

### Introduction

Per the Cosumnes Groundwater Authority (CGA) request, below is a proposed scope of work for EKI to provide technical support to CGA with the Cosumnes Subbasin Groundwater Sustainability Plan (GSP) implementation for the remaining of Fiscal Year (FY) 2023-2024 (October 2023 – June 2024) through FY 2025-2026.

### **Task 1: Water Year (WY) 2023-2025 Annual Reports**

Task 1 includes preparing the WY 2023, WY 2024 and WY 2025 Annual Reports. Each Annual Report preparation includes three subtasks: 1) Data Compilation; 2) CoSANA Extension; and 3) Write and Submit the Annual Report. Data compiled under subtask 1 will either be used directly to produce necessary graphics and tables or update the CoSANA model input files (subtask 2) to prepare the Annual Report (subtask 3).

1. Data Compilation (tasks to be completed by EKI except where noted): Download and summarize groundwater elevation data from Representative Monitoring Wells (RMWs), supplemental wells and publicly available data from the Sustainable Groundwater Management Act (SGMA) Data Viewer database; Download and summarize analytical data from RMW samples and publicly available data from the SGMA Data Viewer and the Safe Drinking Water Information System (SDWIS) databases; Download and summarize stream gauge data from the United States Geological Survey (USGS) National Water Information System (NWIS) database; Estimate Dry Creek stage and discharge; Annual verification and update of land use maps (*to be provided by CGA staff*); Utilize satellite imagery to identify the spatial and temporal distribution of dry Cosumnes River reaches in the Basin; Download and summarize land subsidence data; Download and summarize reported surface water diversions from the Electronic Water Rights Information Management System (eWRIMS) and relevant GSAs (*to be provided by CGA staff under the guidance of EKI*); Summarize groundwater extraction data provided by GSAs, downloaded from Public Water Systems (PWSs), and voluntary reporting (*to be provided by CGA staff under the guidance of EKI*); Download and summarize monthly Camanche Reservoir stage from the California Data Exchange Center (CDEC); and Status summary report on the Cosumnes Subbasin Project and Management Actions (PMAs) (*to be provided CGA staff*).
2. Extension of CoSANA input data sets through September of the appropriate WY (i.e., September 2023 for WY 2023). This includes updated reported surface water delivery, reported groundwater pumping, updated land use, and ET data between October through September of the WY. This subtask assumes the North American and South American subbasins will be updating the CoSANA input data sets relevant to their GSAs, and EKI is only responsible for the Cosumnes Subbasin. Accordingly, subtask 2 includes coordination with South American and North American Subbasin model update efforts. The CoSANA model results will provide estimated agricultural pumping, streamflow depletions, and the change in groundwater storage for inclusion in the WY Annual Reports.

3. Write and Submit Annual Report: Prepare draft and final text, graphics, and tables as described in 23-CCR § 356.2 for submittal of the WY Annual Report to DWR by CGA. As required by the regulations, water levels will be compared to Sustainable Management Criteria (SMCs) and results summarized. This subtask includes required coordination and communication with CGA and presenting the results at the May CGA Board of Director meetings.

## **Task 2: WY 2023-2025 Groundwater Monitoring**

Task 2 consists of conducting the required annual monitoring described in the Cosumnes Subbasin GSP for WY 2023-2025 (total of six monitoring events). The annual monitoring will include two data collection events: 1) The Fall monitoring event that will be conducted in October and will include measuring groundwater levels in 25 wells (the RMWs and supplemental wells that fall under CGA's monitoring responsibility) and collecting water samples from nine (9) RMWs (the RMWs that fall under CGA's monitoring responsibility); 2) The Spring monitoring event that will be conducted in March and will include measuring groundwater levels in 25 wells (the RMWs and supplemental wells that fall under CGA's monitoring responsibility).

Each monitoring event will include routine communication and check-in meetings with CGA, EKI and appropriate subconsultants. The check-in meetings include a monitoring event scheduling meeting, pre-sampling kick off meeting, daily updates during the sampling events, updates as issues arise in the field and a post-sampling meeting. EKI will assist CGA with scheduling the sampling events, but CGA will be responsible for direct outreach and coordination with the well owners. Monitoring results will be presented at the CGA Board of Directors meeting following each monitoring event.

## **Task 3: Data Management System (DMS) Support**

The DMS includes both spatial and temporal data for the Cosumnes Subbasin, and these data types are linked through use of a Geographic Information System (GIS) geodatabase. The DMS allows for accurate and efficient export of information for GSP analysis, reporting, and data compilation.

Task 3 includes processing, QA/QC'ing and importing the monitoring data into the Cosumnes Subbasin DMS. EKI will ensure the Cosumnes Subbasin DMS and GIS geodatabase is maintained and up-to-date with collected and reported data provided by CGA throughout the contract period.

## **Task 4: GSP Implementation Technical Support to CGA**

This task includes (1) routine budget management and monthly invoicing; (2) monthly coordination with CGA staff; (3) remotely attend monthly planning meetings with CGA staff to ensure all critical GSP Implementation deadlines are being addressed and met; (4) remotely attend monthly CGA Board of Directors meetings to support CGA staff in responding to technical questions; and (5) provide technical support for the Cosumnes Subbasin Fee Study. It assumes at least one EKI member will attend the monthly CGA planning meetings and monthly CGA Board of Directors meetings. EKI will remotely attend PMA Committee meetings and will develop technical presentations to be presented to the CGA Board and/or PMA Committee, as requested by CGA. This task will also include conducting necessary research, technical evaluations, data summaries, and/or developing graphics to support communications and decision-making by the CGA.

### **Task 5: On-Call Technical Support**

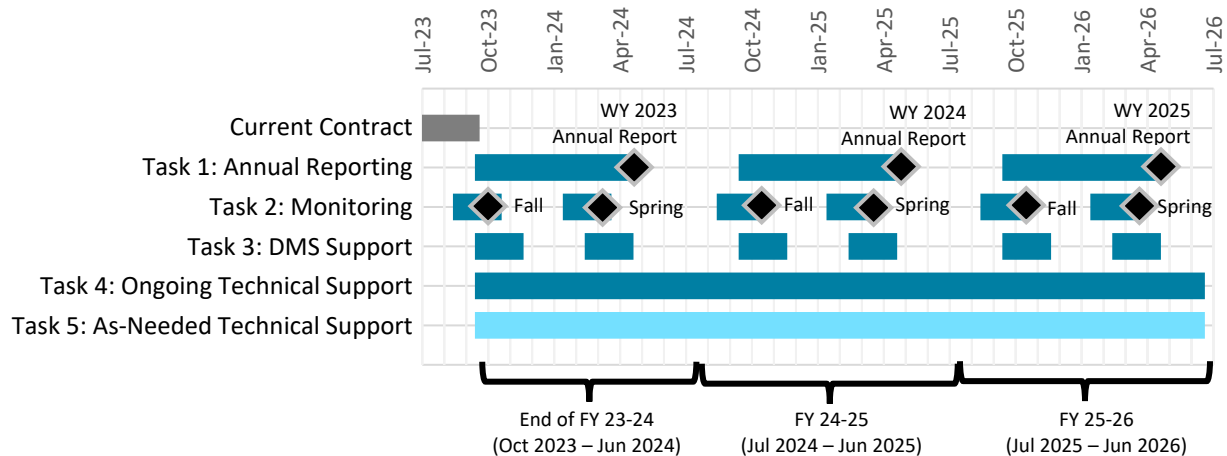
Task 5 consists of EKI providing additional technical support as requested and approved by the CGA Board of Directors and commensurate to the budget allocated to EKI. This task could include any of the following examples:

- Respond to California Department of Water Resources' (DWR's) forthcoming evaluation of the Cosumnes Subbasin GSP. DWR indicated that they will evaluate the 2022 GSP within two years of GSP submittal (i.e., by January 2024) and issue a written assessment. At a minimum, DWR's assessment will likely include recommended actions. EKI will assist CGA with their response to DWR requests and comments, including coordination calls with DWR representatives. In the case of DWR finding the GSP inadequate, EKI will assist CGA respond to DWR's review of the 2022 GSP within the 180-day period.
- Provide technical support for grant applications. This includes reviewing grant opportunities, reviewing or development of grant application materials (e.g., research, cost estimates, strategic planning meetings, etc.), conducting technical evaluations to evaluate potential PMA benefits, or other grant support activities as requested by CGA.
- Technical support for data gap filling. This can include, but is not limited to, activate the Dry Creek surface water gauging station, expand the monitoring network, compile well construction information, conduct well census, plan and implement geophysical studies to better understand the extent of clay beds throughout the Subbasin, improve the domestic well impact analysis, improve cross-boundary flow coordination, develop system to inventory surface water diversions and return flows for water budget and surface water depletion calculations, and other potential activities as authorized by CGA.
- Technical support for PMA development and implementation. This can require significant research and technical evaluations; running, extracting, and summarizing results from CoSANA; and developing figures and graphics to guide CGA decision-making and planning.
- CGA Public Workshops support: Prepare technical presentations and handout materials to support CGA in public workshops and/or attend and present select materials at Public Workshops.
- Other relevant technical analyses as requested by CGA; especially as new GSP guidance documents are released.

### Project Schedule

The EKI Team is prepared to start work on the above Scope of Work on 1 October 2023, when the current EKI/CGA contract ends. The work will continue through the end of FY 2025-2026 (30 June 2026), for a total period of 33 months.

**Figure 1. Proposed Schedule**



### Compensation for Consulting Services

Inasmuch as the exact level of effort required to complete the above Scope of Work cannot be known precisely, EKI proposes to perform the work on a time and materials expense reimbursement basis. A breakdown of the estimated budget is provided in Table 1 below.

**Table 2. Proposed Project Budget**

<b>TASK</b>	<b>FY 23-24</b>	<b>FY 24-25</b>	<b>FY 25-26</b>	<b>Total Cost</b>
Task 1 – WY 2023-2025 Annual Report	\$33,000	\$33,000	\$33,000	<b>\$99,000</b>
Task 2 – WY 2023-2025 Groundwater Monitoring	\$20,000	\$20,000	\$20,000	<b>\$60,000*</b>
Task 3 – DMS Support	\$7,000	\$7,000	\$7,000	<b>\$21,000</b>
Task 4 – GSP Implementation Technical Support to CGA	\$50,000	\$65,000	\$65,000	<b>\$180,000</b>
<b>TOTAL</b>	<b>\$110,000</b>	<b>\$125,000</b>	<b>\$125,000</b>	<b>\$360,000</b>
<i>Task 5 – On-call Technical Support</i>	<i>TBD (\$50,000)</i>	<i>TBD (\$25,000)</i>	<i>TBD (\$25,000)</i>	<b><i>\$100,000**</i></b>
<b><i>TOTAL (including Task 5)</i></b>	<b><i>\$160,000</i></b>	<b><i>\$150,000</i></b>	<b><i>\$150,000</i></b>	<b><i>\$460,000***</i></b>

Notes:

- \* Estimated monitoring costs do not accommodate future expansion of monitoring activities such as incorporating additional wells to the RMW or supplemental networks, expanding the list of constituents analyzed as part of water quality monitoring, and so forth.
- \*\* Estimated budgets for on-call technical support: DWR is expected to provide comments on the GSP in FY 23-24, therefore \$50,000 is tentatively budgeted for FY 23-24. FY 24-25 and FY 25-26 have \$25,000 tentatively budgeted to cover other potential technical services as described above for Task 5.
- \*\*\* Costs have not been adjusted to include inflation or other factors impacting costs for materials and outside services.

# Cosumnes Groundwater Authority

## Fee Study Discussion

August 21st, 2023



# Agenda

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- I. Review tentative fee structure
  - a) Budget
  - b) Parcel fee
  - c) Public water system fee
  - d) Irrigated acreage fee
- II. Looking forward
  - a) Discussion of fee study needs
  - b) Current SCI Tasks
  - c) Fee implementation



# Budget

Activity	Draft FY 23-24 Budget (no grant)	Draft FY 23-24 Budget (min grant)	Draft FY 23-24 Budget (max grant)
<b>CGA Administrative</b>			
Legal	\$ 30,000	\$ 30,000	\$ 30,000
Financial Audit	\$ 15,000	\$ 15,000	\$ 15,000
Personnel	\$ 175,000	\$ 175,000	\$ 175,000
Fee Establishment	\$ -	\$ -	\$ -
Outreach & Engagement	\$ 30,000	\$ 30,000	\$ 30,000
Misc.	\$ 3,000	\$ 3,000	\$ 3,000
Appeals	\$ 20,000	\$ 20,000	\$ 20,000
Contingency	\$ 10,000	\$ 10,000	\$ 10,000
Annual Report	\$ 35,000	\$ 35,000	\$ 35,000
Monitoring	\$ 30,000	\$ 30,000	\$ 30,000
DMS	\$ 15,000	\$ 15,000	\$ 15,000
Responding to State Comments	\$ -	\$ -	\$ -
<b>CGA Admin SubTotal</b>	<b>\$ 363,000</b>	<b>\$ 363,000</b>	<b>\$ 363,000</b>
Category	Draft FY 23-24 Budget (no grant)	Draft FY 23-24 Budget (min grant)	Draft FY 23-24 Budget (max grant)
Expenses (Admin)	\$ 363,000	\$ 363,000	\$ 363,000
Expenses (Projects)	\$ 442,000	\$ 1,168,333	\$ 1,728,332
<b>EXPENSES SUBTOTAL</b>	<b>\$ 805,000</b>	<b>\$ 1,531,333</b>	<b>\$ 2,091,332</b>
Income (Members)	\$ -	\$ -	\$ -
Income (Others)	\$ -	\$ 821,333	\$ 1,411,332
<b>INCOME SUBTOTAL</b>	<b>\$ -</b>	<b>\$ 821,333</b>	<b>\$ 1,411,332</b>
<b>Difference</b>	<b>\$ (805,000)</b>	<b>\$ (710,000)</b>	<b>\$ (680,000)</b>

Budget Needs	
Administrative Budget:	\$363,000
Projects Budget:	\$442,000
<b>Total:</b>	<b>\$805,000</b>

# Parcel Fees

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Broken down into two parts:

1. 'Admin fee': Flat charge per groundwater-using parcel
    - a) Charge related to the benefit or service provided to all parcels using groundwater
  2. 'Use fee': Flat charge dependent on parcel use type (residential and commercial use)
    - a) Charge related to the benefit or service provided based on a general assumption of water use
      - 1 AF for residential
      - 2 AF for commercial
- Residential fees are currently not tied to amount of groundwater use
    - Legally, the benefit or service provided to these parcels does not have to be tied to the amount water used, but instead can represent a link between access to groundwater and the management of the Subbasin
    - The question of this relationship is a policy issue

# Parcel Fees

Parcel Fee - Charged to All GW-Using Parcels								
Property Type		Parcels by County		Totals Both Counties	% of Parcels	Admin Revenue	Use Fee Revenue	Total Revenue
		Sacramento	Amador					
<b>Residential</b>	<i>Total:</i>	4,087	169	4,256	83%			
<i>Admin Fee</i>	\$37.00					\$157,472		
<i>Residential Use Fee</i>	\$7.28						\$30,984	\$188,456
<b>Commercial / Industrial</b>	<i>Total:</i>	63	11	74	1%			
<i>Admin Fee</i>	\$37.00					\$2,738		
<i>Commercial Use Fee</i>	\$14.56						\$1,077	\$3,815
<b>Agricultural</b>	<i>Total:</i>	695	95	790	15%			
<i>Admin Fee</i>	\$37.00					\$29,230		
<i>Residential Use Fee</i>	\$7.28	181	26	207			\$1,507	\$30,737
<b>Total, All GW Parcels:</b>		<b>4,845</b>	<b>275</b>	<b>5,120</b>	<b>100%</b>	<b>\$189,440</b>	<b>\$33,568</b>	<b>\$223,008</b>

# Public Water Systems (PWS)

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- Charge per acre foot extracted
- 17 Public water systems with the Cosumnes Subbasin have reported groundwater use within the last 5 years (currently 2017-2021)
- Data shown is calculated using a rolling 5-year average for this groundwater use

# PWS Groundwater Extraction

Groundwater Extraction of Public Water Systems in the Cosumnes Subbasin							
As Provided by Electronic Annual Reports (SWRCB)							
Name	PWS ID	Estimated Population Served	Reported Annual GW Extarction (AF)				
			2017	2018	2019	2020	2021
Hope Foundation/Moriah Heights	CA0300062	30	23.81	27.46		47.60	27.51
Ione Band of Miwok Indians	CA0300078	62	4.97	5.90		5.93	7.49
MP Associates, Inc.	CA0300524	170	0.15	0.15	0.14	0.06	0.08
Camanche North Shore Inc	CA0310008	255	52.59	51.33	52.24	59.18	58.93
AWA - Camanche Village	CA0310021	2,384	227.25	239.89	244.06	262.31	258.69
Laguna Del Sol Inc	CA3400181	470	0.00	0.00	0.00	0.00	23.92
Rancho Seco NGS (SMUD)	CA3400232	27	0.56	1.00	0.35	0.39	0.23
Dillard Elementary School	CA3400254	350	2.08	1.74	1.67	1.30	12.83
Arcohe Elem School - Main Campus	CA3400271	465	0.00	0.00	0.94	0.10	0.00
Wilton Bible Church	CA3400273	125	0.00	0.13	0.13	0.09	0.12
Rancho Seco Park	CA3400302	40	4.86	4.88	7.18	7.11	8.88
Cosumnes River Preserve Visitor (BLM)	CA3400432	300	0.31	0.36	0.31	0.21	0.13
Church of Latter Day Saints, Galt	CA3400460	800				0.03	1.14
River City Recovery Center, Inc	CA3400464	60				0.01	0.02
City of Galt	CA3410011	26,536	4475.84	4500.91	4266.45	4780.04	4602.85
RANCHO DEL ORO MHP	CA0300053	44	7.14	8.50	8.69	7.63	6.84
Richard A. Mcgee Training Center	CA3410802	300	38.89	42.55	39.54	31.69	33.10

Average
5-Year Rolling Average
31.59
6.07
0.11
54.85
246.44
4.78
0.51
3.92
0.21
0.09
6.58
0.27
0.58
0.02
4,525.22
7.76
37.15

Revenue	
Rate Per AF	Revenue
\$7.28	\$230.00
\$7.28	\$44.20
\$7.28	\$0.82
\$7.28	\$399.33
\$7.28	\$1,794.08
\$7.28	\$34.82
\$7.28	\$3.68
\$7.28	\$28.57
\$7.28	\$1.51
\$7.28	\$0.67
\$7.28	\$47.91
\$7.28	\$1.94
\$7.28	\$4.24
\$7.28	\$0.12
\$7.28	\$32,943.60
\$7.28	\$56.50
\$7.28	\$270.48
Total: \$35,862.47	

# Irrigated Acres

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- Charge per irrigated acre.
- Acreage allocations stem from DWR's 2019 crop layer
  - LWA is currently working to update this to the 2020 layer
- Updated Amador County parcel layer will be required to properly allocate irrigated acreage to specific parcels

# Irrigated Acres

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Irrigated Acres by GSA				
GSA	Number of Parcels with Irrigated Acreage	Irrigated Acreage	Rate	Revenue
Amador GA	107	4,137	\$11.25	\$46,540.46
City of Galt	0	0	\$11.25	\$0.00
Clay WD	28	2,217	\$11.25	\$24,946.65
Galt ID	689	17,405	\$11.25	\$195,806.25
Omochumne Hartnell WD	149	2,867	\$11.25	\$32,253.75
Sacramento County GSA	94	6,809	\$11.25	\$76,601.25
Sloughhouse RCD	327	15,116	\$11.25	\$170,055.00
Totals:	1,394	48,551		<b>\$546,203</b>

# Summary – All Fee Sources

Parcel Fee - Charged to All GW-Using Parcels								
Property Type		Parcels by County		Totals Both Counties	% of Parcels	Admin Revenue	Use Fee Revenue	Total Revenue
		Sacramento	Amador					
Residential	Total:	4,087	169	4,256	83%			
Admin Fee	\$37.00					\$157,472		
Residential Use Fee	\$7.28						\$30,984	\$188,456
Commercial / Industrial	Total:	63	11	74	1%			
Admin Fee	\$37.00					\$2,738		
Commercial Use Fee	\$14.56						\$1,077	\$3,815
Agricultural	Total:	695	95	790	15%			
Admin Fee	\$37.00					\$29,230		
Residential Use Fee	\$7.28	181	26	207			\$1,507	\$30,737
Total, All GW Parcels:		4,845	275	5,120	100%	\$189,440	\$33,568	\$223,008

Public Water Systems - Extraction Rate								
Revenue Type						Rate Per AF	Average AF Extracted	Revenue
Public Water Systems						\$7.28	4,926	\$35,861

Irrigated Acreage Fee							
Revenue Type		Irrigated Acres by County		Totals Both Counties	Rate Per Irrigated Acre		Revenue
		Sacramento	Amador				
Irrigated Acreage Fee		44,414	4,137	48,551	\$11.25		\$546,199

**Total Revenue, All Sources: \$805,068**

Budget Needs	
Administrative Budget:	\$363,000
Projects Budget:	\$442,000
<b>Total:</b>	<b>\$805,000</b>



# Looking Forward – Fee Study Needs

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- Confirmation of fee structure
  - Parcel fee, PWS fee, and irrigated acreage fee
- Identification of specific PMAs to be funded by the fees
  - \$442,000 allocated for projects
- Question of updating Amador parcel layer
- Determination of fish farm approach
  - Currently charged parcel fee at commercial rate (\$37.00 + \$14.56)
- Determination of surface water approach

# Surface Water Approach

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- Surface water data is broken down on a regional scale with diversion points
- Accurately allocating surface water to the parcel scale is challenging
- The approach discussed in March is to try to determine what parcels, if any, likely use **only** surface water for irrigation
  - Parcels that likely do not use groundwater at all would then not be charged
  - Parcels that likely utilize some amount of groundwater would be charged
  - This may reduce revenue, bringing the possibility of slightly raising the irrigated acreage rate.
- Reducing or discounting the irrigated acreage rate based on surface water use would present methodology issues (AF and irrigated acreage are distinct methodology units)

# Current SCI Team Tasks

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- Updating irrigated acreage based on 2020 DWR crop layer
- Refining Irrigated acreage within City of Galt GSA
- Updating PWS 5-year average GW use with 2022 data

# Fee Implementation

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- Each GSA should discuss implementation with their respective legal counsel
- Any additional charges on top of fee study rate will likely require brief addendum
  - Details related to additional costs
  - Tie-in to fee study
- If property related fees are selected, plan for allowance for the 45-day mailed notice period and protest hearing (Prop 218)
- If regulatory fees are selected, plan for allowance for 20-day mailed notice period and community meeting (Prop 26)
  - Regulatory fees can be used for both administrative costs and non-capital projects
  - Regulation of de minimis users pursuant to GSP required

# Fee Study Timeline – 2024 Implementation

**April – September 2023:**

Continued fee refinement and community engagement

**Fall 2023:**

Reconvene for Fee Study Board Workshop

**November-February 2024:**

Community Outreach

**March 2024:**

Draft Fee Report presented to Board

**April 2024:**

Final Fee Report presented to Board

**Cosumnes Groundwater Authority  
Board of Directors Meeting**

Agenda Date: August 21, 2023

Agenda Item #: 8

Agenda Item Subject: Committee Reports

To: CGA Board of Directors

From: CGA Staff

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[Link: Committee Meeting Materials](#)

**Citizen Advisory Committee (CAC)**

The CAC will serve an advisory role to the CGA Board of Directors and aims to develop a mutual understanding of the Cosumnes Subbasin GSP so the group can make informed recommendations on implementation of the Cosumnes Subbasin GSP.

Next Meeting: September 20, 2023 at 5:30pm (location: Galt + Zoom)

Upcoming Committee Activities/Discussion Topics:

- December and March Meeting Dates
- Public Outreach
- Fee Study
- Groundwater Conditions

**Outreach and Engagement (O&E) Committee**

The O&E Committee will serve an advisory role to the CGA Board of Directors, to provide the Board feedback/recommendations and support in the implementation of the Cosumnes Subbasin GSP's Outreach and Engagement Plan and to support CGA Staff's outreach efforts.

Next Meeting: August 14, 2023 at 2:00pm (location: Galt City Hall + Zoom)

Upcoming Committee Activities/Discussion Topics:

- Farmer Survey:
  - GSAs/CGA Board is asked to provide any feedback on the Farmer Survey structure/questions by the end of August. Then, the PMA Committee will finalize the survey in September before the O&E Committee promotes in from October-January.
- Newsletter:
  - CGA Staff will have a draft Newsletter for the O&E Committee to review at their September committee meeting.
- Public Workshops:
  - Tentative dates:

- Evening, Wednesday, November 1, 2023
- Morning, Saturday, November 4, 2023
- These events would be similar to the workshops CGA hosted in February. A list of topics covered, partners invited, and other key details will be developed in September.
- Stakeholder BBQ/Pancake Breakfast:
  - Tentative date:
    - Midday, Thursday, November 9, 2023
    - Supervisor Hume has agreed to dedicate \$1,000 for this event to cover food/supplies. A work plan will be developed, and the committee will start looking for volunteers in September.

### **Projects and Management Actions (PMA) Committee**

The PMA will serve an advisory role to the CGA Board of Directors, to inform the Board's implementation of the Cosumnes Subbasin GSP, provide recommendations/feedback on the development and implementation of PMAs, review available data regarding groundwater conditions, and identify data/information needs.

Next Meeting:                      Special Meeting: September 12, 2023 (location: Galt+ Zoom)

Upcoming Committee Activities/Discussion Topics:

- Monitoring Network
- Conservation Program Development
- Project Budget/Scoping for Fee Study

### **Finance Ad Hoc Committee**

The Finance Ad Hoc was created to assist CGA Staff in developing the Board's budget and other financial processes.

Next Meeting:                      TBD

Upcoming Committee Activities/Discussion Topics:

- Cash Flow Projection

### **Staff Recommendations**

- Identify which aspects of CGA work the Board would like the committee to provide recommendations/insight on ahead of our next CGA Board Meeting.

**GALT IRRIGATION DISTRICT  
P.O. BOX 187  
HERALD, CA 95638  
209-734-6077**

July 11, 2023

Dear Cosumnes Groundwater Authority,

As a GSA and stakeholder in the Cosumnes Groundwater Authority (CGA), Galt Irrigation District would like to address an ongoing topic within the Cosumnes Basin that we feel needs to be discussed and promoted within CGA. The Cosumnes Basin is being held responsible for groundwater sustainability and yet new developments and wells are being approved which add new straws to the aquifer without being charged for any new groundwater extractions. Galt Irrigation District feels strongly that there needs to be a path taken by CGA for a solution to this problem.

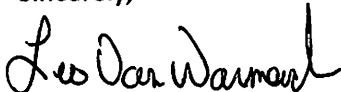
Currently in the Cosumnes Basin, only irrigated agricultural land is being assessed for funds needed to conform to SGMA guidelines. Galt Irrigation District feels that any new well that is established needs to be assessed a new extraction fee. These new extractions may be for new developments, municipalities or ag wells within the Basin. An example that Galt Irrigation District is currently analyzing is a new development outside of the City of Galt sphere of influence that is asking for 17 new groundwater wells. The question becomes how can we, as a GSA in a medium priority basin, allow these new wells to be developed without any extra charges for the new extraction points.

Grant funds provided by the State will probably get harder for basins to obtain with ongoing concerns about budget deficits that the State is currently suffering. Thus if the basin doesn't start developing a plan that charges fees for new extractions and use those fees for basin investment, we will get less and less accomplished going forward when it comes to solving our overdraft issues.

It is our strong feeling that the CGA Stakeholders need consistency in our decisions to allow new groundwater extractions and assess a charge for any new extraction points. As stated earlier, it is not fair to simply assess a fee to existing irrigated land parcels and not expect any new extractions to contribute to the SGMA efforts. Funds generated from any new wells could be set aside for surface water management such as pursuing surface water and recharge projects within the Basin.

Please take the time as the governing agency to discuss this topic in depth with the Stakeholders. It would be prudent to have a unified Basin-wide policy about any new extractions that is both fair and equitable to everyone involved. Thank you for this consideration.

Sincerely,



Leo VanWarmerdam  
Chairman, Galt Irrigation District





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Post Office Box 1526 | Sacramento, CA 95812-1526

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Austin Miller  
District Manager, Sloughhouse Resources Conservation Manager  
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August 17, 2023

Subject: Letter of Thanks and Suggestions for Well Permitting Coordination

On behalf of the membership of the Environmental Council of Sacramento and the Water Committee, I would like to thank each you and Trevor Joseph for the thoughtful and informative briefings you provided on the status of the region's three groundwater subbasins. All of us, and the many guests who attended the meetings or have viewed the videos have found the presentations and subsequent discussions of significant value in understanding the regional efforts to maintain and/or attain sustainable groundwater resources for all beneficial users.

As you could tell from our questions and the discussions following your presentations, we continue to be interested in Groundwater Sustainability Agency (GSA) efforts to sustain and improve conditions for Groundwater Dependent Ecosystems (GDE), coordination among all the region's GSAs regarding plan implementation and subbasin modeling/monitoring, and GSA efforts to implement each subbasin's Groundwater sustainability Plan. We congratulate the North American and South American Subbasins on their recent Groundwater Sustainability Plan (GSP) approval and hope the Cosumnes GSAs will soon see approval of their plan as well.

One of the areas all three GSPs call for is additional work in cataloguing and protecting shallow and domestic wells and in the permitting of new wells. Each plan singled out this area for further analysis and collaborative work with the County and those who have wells of this type. We also understand that a recent Governor's Executive Order places additional responsibility on GSAs and the County in well permitting – namely making a finding that any new wells subject to County permitting are consistent with the GSP. We understand that making this finding can also have impacts on future land use development and create a situation that may not have been envisioned when the GSAs were formed and the GSPs developed.



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GSAs have specific technical data about each subbasin including specific monitoring and modeling information and where critical GDEs are located. This and other information developed and managed by the GSAs should be of value in helping the County make appropriate permitting decisions. GSAs may be able to contribute specific new well location criteria and permitting specifications that take advantage of this information. These well permitting requirements can assist the County's efforts to ensure new permitted wells do not damage the effectiveness of existing wells, negatively impact GDEs, damage groundwater modeling/monitoring systems, and/or adversely impact subbasin sustainability.

We understand that John Woodling has contacted the County and suggested a meeting to discuss GSA interactions with the County's groundwater well permitting program. We also understand that the County is interested in working more closely with the region's GSAs on this and other regional groundwater issues. ECOS continues to have an interest in this area and may have insights and experience that are of value to both the GSAs and the County. When appropriate, we would like to join with you and the County to reach a consensus on how this new responsibility will be carried out consistently across the region.

Best Regards,

Theador N. Rauh  
Chair, ECOS Water Committee

Cc: Kerry Schmitz  
Water Supply Division Chief  
Sacramento County Water Agency  
[schmitzk@saccounty.net](mailto:schmitzk@saccounty.net)