

NOTICE AND AGENDA OF REGULAR MEETING

BOARD OF DIRECTORS OF THE SANTA YNEZ RIVER VALLEY GROUNDWATER BASIN
EASTERN MANAGEMENT AREA GROUNDWATER SUSTAINABILITY AGENCY

HELD AT
SANTA YNEZ COMMUNITY SERVICES DISTRICT, MEETING ROOM
1070 FARADAY STREET, SANTA YNEZ, CALIFORNIA
6:00 P.M., THURSDAY, JANUARY 23rd, 2025

Optional remote public participation is available via Telephone or TEAMS

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*** Please Note ***

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AGENDA OF REGULAR MEETING

1. Call to Order and Roll Call
2. Additions or Deletions to the Agenda
3. Public Comment (Any member of the public may address the Board relating to any non-agenda matter within the Board’s jurisdiction. The total time for all public comment shall not exceed fifteen minutes and the time allotted for each individual shall not exceed three minutes. No action will be taken by the Board at this meeting on any public comment item.)
4. Consent Agenda
 - a. Review and consider approval of meeting minutes for the December 19, 2024 EMA GSA Board Meeting
 - b. Review and consider approval of Financial Statements and Warrant List for Q2 FY 2024/25
5. Informational Items
 - a. New EMA GSA Well Permits Approved by County of Santa Barbara EHS
 - i. None
 - b. Freeman Diversion United Water Presentation and Tour – 1:00 - 3:30 PM Wednesday, March 26th, 2025
 - i. RSVP to Executive Director by Friday, February 14th, 2025
 - ii. Complete and return waiver to Executive Director by Monday, March 3rd, 2025
 - c. Verbal Update on EMA GSA Rate Study
6. Review and provide input on the Draft EMA GSA 5-Year Budget
7. Review and provide input on Draft Well Registration and Metering Program Outline and Schedule

8. Review and consider approval of Consultant Proposals for the Prop 68 Round 2 Sustainable Groundwater Management Grant EMA GSA Implementation Plan
9. Review and consider approval of request for Agricultural Director representation at EMA GSA Agency Representative Meetings
10. Board of Directors Reports and Requests for Future Agenda Items
11. Adjournment

[This agenda was posted at least 72 hours prior to the regular meeting at 3669 Sagunto Street, Suite 101, Santa Ynez, California, and SantaYnezWater.org in accordance with Government Code Section 54954. In compliance with the Americans with Disabilities Act, if you need special assistance to review agenda materials or participate in this meeting, please contact the Santa Ynez River Water Conservation District at (805) 693-1156. Advanced notification as far as practicable prior to the meeting will enable the GSA to make reasonable arrangements to ensure accessibility to this meeting.]

TO: EMA GSA Board of Directors

FROM: Daniel Heimel, Executive Director

DATE: January 23, 2025

SUBJECT: Item 4 – Consent Agenda

Recommendation

EMA GSA Staff recommend that the Board Review and Consider Approval of Meeting Minutes and Quarterly Financial Statements/Warrant List.

Discussion

EMA GSA Staff has prepared the Meeting Minutes and Financial Statements/Warrant List for the EMA GSA for the Board’s review and approval consideration (see Attachments A & B).

Attachments

Attachment A: Meeting Minutes

Attachment B: Financial Statements/Warrant List

DRAFT**MEETING MINUTES****Santa Ynez River Valley Groundwater Basin Eastern
Management Area Groundwater Sustainability Agency
December 19, 2024**

A special meeting of the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency was held on Thursday, December 19, 2024, at 6:30 p.m. at Santa Ynez Community Services District Community Room, 1070 Faraday Street, Santa Ynez, California.

EMA GSA Directors Present: Elizabeth Orona, Brett Marymee, Brad Joos, and Douglas Circle

EMA GSA Alternate Directors Present: Meighan Diethoff

1. Call to Order and Roll Call

Board Chair Marymee called the meeting to order at 6:30 p.m. and asked Mr. Heibel to call roll. Four EMA GSA Directors and one Alternate Director were present, providing a quorum.

2. Additions or Deletions to the Agenda

No additions or deletions were made.

3. Public Comment

There were no comments from the public either in person or online.

4. Consent Agenda

- **Review and Consider Approval of Meeting Minutes for the October 24, 2024 EMA GSA Board Meeting**
- **Review and consider approval of Financial Statements and Warrant List for Q1 FY 2024/25**
- **Receive presentation of new, approved well permits for the EMA GSA**

The Minutes of the EMA GSA Board Meeting on October 24, 2024 (Item 4a), Financial Statements and Warrant List for Quarter One of Fiscal Year 2024/25 (Item 4b), and new, approved well permits for the EMA GSA (Item 4c) were presented for Board consideration and/or Approval. Items 4a and 4b were Approved by four Directors. Alternate Director Diethoff abstained from voting. Item 4c was pulled for further discussion.

Vice Chair Joos began the discussion on Item 4c regarding whether County EHS differentiates wells within the alluvium from those outside of it, or if all wells in the EMA GSA's boundaries are reviewed. Vice Chair Joos encouraged more thorough inventory of

EMA GSA Well Permits approved by County EHS with further classification of where the wells are located for the benefit of future management surrounding sustainability. An Ad Hoc Committee was proposed to oversee such inventory. Director Orona made a MOTION to accept and receive Item 4c. The motion was approved unanimously.

5. Receive informational presentation from Fisher Pump on well metering

Mr. Heibel introduced and provided background on the Well Metering presentation from Fisher Pump, stating that metering was a top-tier initiative identified in the EMA GSA's GSP and further investigation has been encouraged on different options for tracking and reporting groundwater production. Richard Banks presented information to the Board on different meters, including functionality, accuracy, costs, and recommendations. Mr. Heibel shared that the presented PowerPoint will be made available on the EMA GSA Board Meetings webpage.

6. Receive informational presentation from Water Resource Economics on EMA GSA Rate Study

Mr. Heibel introduced the Rate Study presentation from Water Resource Economics (WRE). Sanjay Gaur and Nancy Phan with WRE introduced themselves and provided information on their process, goals, and scope of services for the Rate Study. Mr. Gaur spoke on available funding mechanisms for the GSA and GSP implementation, delving into the requirements and implications of Proposition 26 and Proposition 218 and how the two compare. Mr. Gaur offered to hold an in-person policy workshop to discuss policies and evaluate fee structures to be scheduled once there is a better understanding of data availability in the EMA. An in-person stakeholder workshop to get input on the Rate Study approach and an in-person public hearing for rate adoption were also proposed.

Mr. Guar requested information on the role of each of the four agencies in the EMA along with any overlapping objectives to ensure that charges are assigned to the appropriate agencies in the rate study without redundancy. The main issue directing policy in the Rate Study according to Mr. Gaur is whether non-groundwater users benefit from having groundwater in the EMA. To address this issue, the rate consultants requested information on water sources, well registrations, and well production in each of the four EMA agencies. Legal counsel member Steve O'Neill stated that his team is working with Mr. Gaur to determine the most appropriate funding mechanisms for the EMA through the existing statutory scheme.

Vice Chair Joos suggested establishing a special committee or Ad Hoc item to prepare information requested by the Rate Consultants, and having a standing Board Meeting agenda item for status updates on the Rate Study. Mr. Heibel shared that the presented PowerPoint will be made available on the EMA GSA Board Meetings webpage.

7. Receive presentation of proposed Prop 68 Round 2 Sustainable Groundwater Management Grant EMA GSA Implementation Plan and provide direction to EMA GSA Staff

Mr. Heibel introduced the proposed Prop 68 Round 2 Sustainable Groundwater Management Grant EMA GSA Implementation Plan (Implementation Plan), which breaks

the grant down by component and provides recommendations on assigning time and labor to the tasks in each component among consultants. Nate Page, Implementation Plan lead with Confluence Engineering Solutions, presented the Implementation Plan and schedule to the Board. Mr. Heibel and Mr. Page clarified that the purpose of presenting this Implementation Plan is limited to receiving guidance from the Board, with the next step being presenting consulting services proposals at the EMA GSA Board Meeting.

8. Verbal update on EMA GSA Set-up/Transfer and other initiatives

Mr. Heibel provided an update on EMA GSA Set-up/Transfer, indicating that set-up/transfer of the bank account, insurance, website, email address, and other initiatives for the Executive Director assigned upon appointment to the position in September have been finalized.

9. Consider Date/Time for Next Regular and/or Special Meetings of the EMA GSA

The Board Directors agreed unanimously to hold Regular Meetings on the Fourth Thursday of every month, or on the Third Thursday of any month where the Fourth Thursday falls on or near a holiday, at 6:00 PM in 2025.

10. Board of Directors Reports and Requests for Future Agenda Items

Vice Chair Joos proposed having Future Agenda Items on EMA-wide inventory of all wells and the EMA Metering Program Policy. Board Chair Marymee proposed a Rate Study Update Agenda Item. Mr. Heibel proposed Items on Prop 68 Grant Implementation Consultant Proposals and Action Plan Updates. Mr. Circle proposed an Item to consider appointing Kevin Merrill as his Agricultural Representative to engage with EMA Agency Representatives and Staff.

11. Adjournment

Board Chair Marymee adjourned the meeting at 9:50 p.m.

Brett Marymee, Chairman

Elizabeth Orona, Secretary

**EMA GSA
Balance Sheet**

ATTACHMENT 4B

As of December 31, 2024

	<u>Total</u>
ASSETS	
Current Assets	
Bank Accounts	
1150 Five Star Bank Checking #5951	199,060.62
Total Bank Accounts	<u>\$ 199,060.62</u>
Total Current Assets	<u>\$ 199,060.62</u>
TOTAL ASSETS	<u>\$ 199,060.62</u>
LIABILITIES AND EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 Accounts Payable	43,879.33
Total Accounts Payable	<u>\$ 43,879.33</u>
Other Current Liabilities	
2501 Loan from SYRWCD	62,438.75
2502 Loan from County of SB	62,438.75
2503 Loan from City of Solvang	62,438.75
2504 Loan from ID No. 1	62,438.75
Total Other Current Liabilities	<u>\$ 249,755.00</u>
Total Current Liabilities	<u>\$ 293,634.33</u>
Total Liabilities	<u>\$ 293,634.33</u>
Equity	
3000 Ret Earnings	2,425.67
32000 Unrestricted Net Assets	-450.21
Net Income	-96,549.17
Total Equity	<u>-\$ 94,573.71</u>
TOTAL LIABILITIES AND EQUITY	<u>\$ 199,060.62</u>

EMA GSA
Profit and Loss
 October - December, 2024

	Total
Income	
4600 Interest Income	25.68
Total Income	\$ 25.68
Gross Profit	\$ 25.68
Expenses	
5320 Office Expense (incl postage)	170.00
5330 Outside Staff Support	400.00
5350 Public Relations	2,510.52
5360 Insurance	2,805.00
5800 Legal Services	14,936.24
6400 Annual Report	22,941.25
6502 GSP Rate Study	1,422.50
Total Expenses	\$ 45,185.51
Net Operating Income	-\$ 45,159.83
Net Income	-\$ 45,159.83

EMA GSA General Ledger October - December, 2024

	Date	Num	Name	Memo/Description	Amount	Balance
1150 Five Star Bank Checking #5951						
	Beginning Balance					341.12
	10/10/2024	1053	Santa Ynez Community Services District		-76.84	264.28
	10/24/2024	Loan		Loan City of Solvang	50,000.00	50,264.28
	10/31/2024	Interest		Interest Earned	1.29	50,265.57
	11/04/2024	Loan 2		Loan Santa Ynez River Water Conservation District Improvement District No.1	50,000.00	100,265.57
	11/05/2024	Postage		USPS Online	-170.00	100,095.57
	11/22/2024	Loan 3		Loan Santa Ynez River Water Conservation District	50,000.00	150,095.57
	11/30/2024	1054	SYRWCD		-76.84	150,018.73
	11/30/2024	1056	Water Resources Economics		-582.50	149,436.23
	11/30/2024	1055	Valley Bookkeeping Service		-400.00	149,036.23
	11/30/2024	Interest		Interest Income	9.07	149,045.30
	12/13/2024	Loan 4		Loan County of Santa Barbara	50,000.00	199,045.30
	12/31/2024	Interest		Interest Income	15.32	199,060.62
Total for 1150 Five Star Bank Checking #5951					\$	198,719.50
2000 Accounts Payable						
	10/10/2024	1053	Santa Ynez Community Services District		-76.84	-76.84
	10/10/2024	2082	Santa Ynez Community Services District		76.84	0.00
	11/30/2024	1167	Water Resources Economics		582.50	582.50
	11/30/2024	113024	SYRWCD		76.84	659.34
	11/30/2024	1054	SYRWCD		-76.84	582.50
	11/30/2024	Q2 24/25	Valley Bookkeeping Service		400.00	982.50
	11/30/2024	1055	Valley Bookkeeping Service		-400.00	582.50
	11/30/2024	1056	Water Resources Economics		-582.50	0.00
	12/20/2024	91952	Aleshire & Wynder		14,936.24	14,936.24
	12/20/2024	2117	Santa Ynez Community Services District		76.84	15,013.08
	12/20/2024	00515.008 - 1	GSI Water Solutions, Inc.		22,941.25	37,954.33
	12/20/2024	INV-003859	Golden State Risk Management Authority		2,805.00	40,759.33
	12/20/2024	CFFAE9FE-0002	Streamline		2,280.00	43,039.33
	12/20/2024	1194	Water Resources Economics		840.00	43,879.33
Total for 2000 Accounts Payable					\$	43,879.33
2501 Loan from SYRWCD						
	Beginning Balance					12,438.75
	11/22/2024	Loan 3		Loan Santa Ynez River Water Conservation District	50,000.00	62,438.75
Total for 2501 Loan from SYRWCD					\$	50,000.00
2502 Loan from County of SB						
	Beginning Balance					12,438.75
	12/13/2024	Loan 4		Loan County of Santa Barbara	50,000.00	62,438.75
Total for 2502 Loan from County of SB					\$	50,000.00
2503 Loan from City of Solvang						
	Beginning Balance					12,438.75
	10/24/2024	Loan		Loan from City of Solvang	50,000.00	62,438.75
Total for 2503 Loan from City of Solvang					\$	50,000.00
2504 Loan from ID No. 1						
	Beginning Balance					12,438.75
	11/04/2024	Loan 2		Loan Santa Ynez River Water Conservation District Improvement District No.1	50,000.00	62,438.75
Total for 2504 Loan from ID No. 1					\$	50,000.00

EMA GSA General Ledger October - December, 2024

	Date	Num	Name	Memo/Description	Amount	Balance
3000 Ret Earnings						
	Beginning Balance					2,425.67
Total for 3000 Ret Earnings						
32000 Unrestricted Net Assets						
	Beginning Balance					-450.21
Total for 32000 Unrestricted Net Assets						
4600 Interest Income						
	Beginning Balance					3.20
	10/31/2024	Interest		Interest Income	1.29	4.49
	11/30/2024	Interest		Interest Income	9.07	13.56
	12/31/2024	Interest		Interest Income	15.32	28.88
Total for 4600 Interest Income					\$ 25.68	
5320 Office Expense (incl postage)						
	Beginning Balance					28.90
	11/05/2024	Postage		USPS Online	170.00	198.90
Total for 5320 Office Expense (incl postage)					\$ 170.00	
5330 Outside Staff Support						
	Beginning Balance					1,000.00
	11/30/2024	Q2 24/25	Valley Bookkeeping Service		400.00	1,400.00
Total for 5330 Outside Staff Support					\$ 400.00	
5350 Public Relations						
	Beginning Balance					437.19
	10/10/2024	2082	Santa Ynez Community Services District		76.84	514.03
	11/30/2024	113024	SYRWCD		76.84	590.87
	12/20/2024	2117	Santa Ynez Community Services District	Board Room Rental; 12/19/24	76.84	667.71
	12/20/2024	CFFAE9FE-0002	Streamline	Streamline Flex 12/1/24 - 12/1/25	2,280.00	2,947.71
Total for 5350 Public Relations					\$ 2,510.52	
5360 Insurance						
	12/20/2024	INV-003859	Golden State Risk Management Authority	General Liability and Crime Bond	2,805.00	2,805.00
Total for 5360 Insurance					\$ 2,805.00	
5800 Legal Services						
	12/20/2024	91952	Aleshire & Wynder	Billing Period: November 2024	14,936.24	14,936.24
Total for 5800 Legal Services					\$ 14,936.24	
5900 Other Operating Expenses						
	Beginning Balance					7.50
Total for 5900 Other Operating Expenses						
6100 Stakeholder Engagement						
	Beginning Balance					163.95
Total for 6100 Stakeholder Engagement						
6400 Annual Report						
	Beginning Balance					49,755.00
	12/20/2024	00515.008 - 1	GSI Water Solutions, Inc.	2023-2024 Annual Report	22,941.25	72,696.25
Total for 6400 Annual Report					\$ 22,941.25	
6502 GSP Rate Study						
	11/30/2024	1167	Water Resources Economics		582.50	582.50
	12/20/2024	1194	Water Resources Economics	Review information	840.00	1,422.50
Total for 6502 GSP Rate Study					\$ 1,422.50	

**EMA GSA
Bill Payment List
October-December, 2024**

Date	Num	Vendor	Amount	Description
1150 Five Star Bank Checking #5951				
10/10/2024	1053	Santa Ynez Community Services District	-76.84	Conference Room Rental
11/30/2024	1054	VOID	0.00	Printing Error
11/30/2024	1055	Valley Bookkeeping Service	-400.00	Quarterly Bookkeeping (Oct - Dec 2024)
11/30/2024	1056	Water Resources Economics	-582.50	Rate Study
Total for 1150 Five Star Bank Checking #5951			-\$1,059.34	
			-\$1,059.34	

TO: SYRVGB EMA GSA Board of Directors

FROM: Dan Heibel, Executive Director

DATE: January 23rd, 2025

SUBJECT: Item 6 – Review and provide input on the Draft EMA GSA 5-Year Budget

Purpose

The purpose of this Staff Report is to provide the Board of Directors of the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency (“EMA GSA”) with the Draft EMA GSA 5-year Budget and Monthly Cash Flow Model (“Draft Budget/Cash Flow Model”) for their review and input.

Discussion

EMA GSA Staff developed a Draft Budget/Cash Flow Model, included as Attachment A, to satisfy the data request from the EMA GSA Rate Consultant and to assist the EMA GSA in its financial planning. The Draft Budget/Cash Flow Model will be utilized to help determine the revenue generating and potential additional Member Agency contribution needs to support the EMA GSA in implementing its Groundwater Sustainability Plan (GSP) and achieving compliance with the Sustainable Groundwater Management Act (SGMA).

Recommendation

Review and provide input on the Draft EMA GSA 5-Year Budget/Cash Flow Model

Attachments

Attachment A: Draft EMA GSA 5-Year Budget/Cash Flow Model

ATTACHMENT 6A

DRAFT 5 Year EMA GSA BUDGET

	Prior to July 1, 2024	July 1, 2024 - June 30, 2025	July 1, 2025 - June 30, 2026	July 1, 2026- June 30, 2027	July 1, 2027- June 30, 2028	July 1, 2028- June 30, 2029
	12 months	12 months	12 months	12 months	12 months	12 months
Revenues						
Member Agency Contributions (reimbursable)		\$200,000				
SGMA Grant Reimbursement		\$392,168	\$676,672	\$193,335	\$0	\$0
Interest Income		\$0	\$0	\$0	\$0	\$0
SGMA Fees	0	\$0	\$0	\$0	\$0	\$0
Total Revenue	\$ -	\$592,168	\$676,672	\$193,335	\$0	\$0
Expenses						
Internal Operations/Expenses						
Executive Director		\$113,057	\$151,988	\$156,547	\$161,244	\$166,081
Revenue Generating Fee Program Administration			\$50,000	\$51,500	\$53,045	\$54,636
IT Support			\$20,000	\$20,600	\$21,218	\$21,855
Grant Development (2 grants)			\$60,000	\$61,800	\$63,654	\$65,564
Outreach Program				\$40,000	\$41,200	\$42,436
Travel & Training		\$1,000	\$1,030	\$1,061	\$1,093	\$1,126
Bookkeeping		\$6,200	\$6,386	\$6,578	\$6,775	\$6,978
Annual Audit		\$0	\$25,000	\$25,750	\$26,523	\$27,318
General Liability Insurance		\$6,000	\$6,180	\$6,365	\$6,556	\$6,753
Professional Association Dues (ACWA, etc.)		\$5,000	\$5,150	\$5,305	\$5,464	\$5,628
Miscellaneous (internet, room rental, webpage, postage etc)		\$1,000	\$1,030	\$1,061	\$1,093	\$1,126
Website hosting		\$3,000	\$3,090	\$3,183	\$3,278	\$3,377
Member Agency Payback				\$302,165		
Subtotal Internal Operations/Expenses	\$0	\$135,257	\$329,854	\$681,915	\$391,142	\$402,876
Legal (assume not reimbursable)						
General Counsel		\$60,000	\$61,800	63,654	65,564	67,531
Specialized Legal Counsel		\$20,000	\$20,600	21,218	21,855	22,510
Subtotal Legal	\$0	\$80,000	\$82,400	\$84,872	\$87,418	\$90,041
Technical Support Services						
Hydrogeologic/Engineering			\$50,000	\$51,500	\$53,045	\$54,636
Groundwater Level Monitoring						
Annual Report		\$49,923		\$55,000	\$56,650	\$58,350
5-Yr GSP Evaluation						
GSP Amendment					\$250,000	
Subtotal Technical Support Services	\$0	\$49,923	\$50,000	\$106,500	\$359,695	\$112,986
Prop 68 Grant						
Grant Components 2-5 Jul 23-Jun 24	\$102,165					
Grant Components 2-5 Jul 24-Jun 25		\$386,670				
Grant Components 2-5 Jul 25-Jun 26			\$773,339			
Subtotal Prop 68 Grant	\$102,165	\$386,670	\$773,339	\$0	\$0	\$0
Contingencies	\$20,433	\$130,370	\$247,119	\$174,657	\$167,651	\$121,181
Total Expenses	\$122,598	\$782,219	\$1,482,711	\$1,047,944	\$1,005,906	\$727,083
Income Less Expenses	-\$122,598	-\$190,052	-\$806,040	-\$854,609	-\$1,005,906	-\$727,083
Fund Balance	\$0	-\$190,052	-\$996,092	-\$1,850,701	-\$2,856,607	-\$3,583,691

**FY 2024-2025
DRAFT
Monthly CASH
FLOW**

	October 1, 2024 - October 31, 2024 Month 1	November 1, 2024 - November 30, 2024 Month 2	December 1, 2024 - December 31, 2024 Month 3	January 1, 2025 - January 31, 2025 Month 4	February 1, 2025 -February 28, 2025 Month 5	March 1, 2025 - March 31, 2025 Month 6	April 1, 2025 - April 30, 2025 Month 7	May 1, 2025 - May 31, 2025 Month 8	June 1, 2025 - June 30, 2025 Month 9
REVENUES:									
Member Agency Contributions (reimbursable)	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
SGMA Grant Reimbursement (3 month delay)	\$0	\$0	\$0	\$102,165	\$0	\$0	\$0	\$290,002	\$0
Interest Income	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGMA Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL REVENUE	\$0	\$0	\$200,000	\$102,165	\$0	\$0	\$0	\$290,002	\$0
EXPENSES									
Internal Operations / Expenses									
Executive Director	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562
Revenue Generating Fee Program Administration	\$5,556	\$5,556	\$5,556	\$5,556	\$5,556	\$5,556	\$5,556	\$5,556	\$5,556
IT Support	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grant Development (2 grants)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outreach Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Travel & Training	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$111
Bookkeeping	\$689	\$689	\$689	\$689	\$689	\$689	\$689	\$689	\$689
Annual Audit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Liability Insurance	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667	\$667
Professional Association Dues (ACWA, etc.)	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0
Miscellaneous (internet, room rental, webpage, postage etc)	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$111	\$111
Website hosting	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333
Member Agency Payback	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
B-TOTAL INTERNAL OPERATIONS/EXPENSES	\$20,029	\$20,029	\$20,029	\$20,029	\$20,029	\$20,029	\$25,029	\$20,029	\$20,029
Legal (assume not reimbursable)									
General Counsel	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667
Specialized Legal Counsel	\$2,222	\$2,222	\$2,222	\$2,222	\$2,222	\$2,222	\$2,222	\$2,222	\$2,222
SUB-TOTAL LEGAL	\$8,889	\$8,889	\$8,889	\$8,889	\$8,889	\$8,889	\$8,889	\$8,889	\$8,889
Technical Support Services									
Hydrogeologic/Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Groundwater Level Monitoring	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Report	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547
5-Yr GSP Evaluation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GSP Amendment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUB-TOTAL TECHNICAL SUPPORT SERVICES	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547	\$5,547
Prop 68 Grant									
Grant Components 2-5 Jul 23-Jun 24	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grant Components 2-8 Jul 24-Jun 25	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963
Grant Components 2-5 Jul 25-Jun 26	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL PROP 68 GRANT	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963
CONTINGENCIES	14,486	14,486	14,486	14,486	14,486	14,486	14,486	14,486	14,486
TOTAL EXPENSES	\$86,366	\$86,366	\$86,366	\$86,366	\$86,366	\$86,366	\$91,366	\$86,366	\$86,366
INCOME LESS EXPENSES	-\$86,366	-\$86,366	\$113,633	\$15,799	-\$86,366	-\$86,366	-\$91,366	\$203,635	-\$86,366
FUND BALANCE	-\$86,366	-\$172,732	-\$59,099	-\$43,300	-\$129,666	-\$216,032	-\$307,398	-\$103,763	-\$190,129

**FY 2024-2025
DRAFT Monthly
CASH FLOW**

* Invoiced Amounts highlighted in grey

	October 1, 2024 - October 31, 2024	November 1, 2024 - November 30, 2024	December 1, 2024 - December 31, 2024	January 1, 2025 - January 31, 2025	February 1, 2025 - February 28, 2025	March 1, 2025 - March 31, 2025	April 1, 2025 - April 30, 2025	May 1, 2025 - May 31, 2025	June 1, 2025 - June 30, 2025
	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9
REVENUES:									
Member Agency Contributions (reimbursable)	\$0	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0
SGMA Grant Reimbursement (3 month delay)	\$0	\$0	\$0	\$102,165	\$0	\$0	\$0	\$253,025	\$0
Interest Income	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SGMA Fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL REVENUE	\$0	\$0	\$200,000	\$102,165	\$0	\$0	\$0	\$253,025	\$0
EXPENSES									
Internal Operations / Expenses									
Executive Director	\$21,198	\$8,684	\$12,275	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562	\$12,562
Revenue Generating Fee Program Administration	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IT Support	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grant Development (2 grants)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Outreach Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Travel & Training	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bookkeeping	\$0	\$0	\$0	\$400	\$689	\$689	\$689	\$689	\$689
Annual Audit	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
General Liability Insurance	\$0	\$0	\$0	\$2,805	\$0	\$0	\$0	\$0	\$0
Professional Association Dues (ACWA, etc.)	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0
Miscellaneous (internet, room rental, webpage, postage etc)	\$77	\$170	\$77	\$111	\$111	\$111	\$111	\$111	\$111
Website hosting	\$0	\$0	\$0	\$2,280	\$0	\$0	\$0	\$0	\$0
Member Agency Payback	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUB-TOTAL INTERNAL OPERATIONS/EXPENSES	\$21,274	\$8,854	\$12,352	\$18,158	\$13,362	\$13,362	\$18,362	\$13,362	\$13,362
Legal (assume not reimbursable)									
General Counsel	\$10,946	\$3,990	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667
Specialized Legal Counsel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUB-TOTAL LEGAL	\$10,946	\$3,990	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667	\$6,667
Technical Support Services									
Hydrogeologic/Engineering	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Groundwater Level Monitoring	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Annual Report	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5-Yr GSP Evaluation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
GSP Amendment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUB-TOTAL TECHNICAL SUPPORT SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Prop 68 Grant									
Grant Components 2-5 Jul 23-Jun 24	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Grant Components 2-8 Jul 24-Jun 25	\$20,127	\$43,326	\$28,460	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963
Grant Components 2-5 Jul 25-Jun 26	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SUBTOTAL PROP 68 GRANT	\$20,127	\$43,326	\$28,460	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963	\$42,963
CONTINGENCIES				\$14,486	\$14,486	\$14,486	\$14,486	\$14,486	\$14,486
TOTAL EXPENSES	\$52,348	\$56,170	\$47,478	\$82,273	\$77,477	\$77,477	\$82,477	\$77,477	\$77,477
INCOME LESS EXPENSES	-\$52,347	-\$56,169	\$152,521	\$19,891	-\$77,477	-\$77,477	-\$82,477	\$175,547	-\$77,477
FUND BALANCE	-\$52,347	-\$108,516	\$44,005	\$63,896	-\$13,581	-\$91,058	-\$173,535	\$2,012	-\$75,465

TO: SYRVGB EMA GSA Board of Directors

FROM: Dan Heibel, Executive Director

DATE: January 23rd, 2025

SUBJECT: Item 7 – Review and provide input on Draft Well Registration and Metering Program Outline and Schedule

Purpose

The purpose of this Staff Report is to provide the Board of Directors of the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency with a Draft Well Registration and Metering Program Outline and Schedule for their review and input.

Recommendation

Review and provide input on Draft Well Registration and Metering Program Outline and Schedule.

Attachments

Attachment A: Draft Well Registration and Metering Program Outline and Schedule

EMA GSA Well Registration and Metering Program Outline

Program Element	Tentative Schedule
<p>1. Develop Well Registration and Metering policy documents for EMA GSA Board approval consideration</p> <ul style="list-style-type: none"> a. Start with documents prepared for the San Antonio GSA, other GSAs, and EMA Member Agencies. Consider CMA and WMA documents, if available. b. EMA GSA Staff develops draft policies c. EMA GSA Legal Counsel review e. EMA GSA Agency Representative review d. EMA GSA Board review e. Revise based upon comments received f. EMA GSA Board considers adoption of final policies 	<p style="text-align: right;">1/31/2025</p> <p style="text-align: right;">2/24/2025</p> <p style="text-align: right;">2/28/2025</p> <p style="text-align: right;">3/27/2025</p> <p style="text-align: right;">4/24/2025</p>
<p>2. Hold workshop with EMA stakeholders</p> <ul style="list-style-type: none"> a. Purpose of program – identify all groundwater users within the EMA (not Alluvial Action Area pumpers), obtain information about their wells, enroll them in the well metering program so that the GSA may quantify groundwater production. b. Who must Register? All non-Alluvial Action Area Pumpers must register. Who must install meters? All non-Alluvial and non-Deminimus Pumpers. c. Overview of requirements (well registration and/or metering) d. Implementation schedule 	<p style="text-align: right;">Week of 4/7/25</p>
<p>3. Well Registration Program Elements</p> <ul style="list-style-type: none"> a. Prepare inventory of wells based on existing public information (GSP, County Health, ID-1 and District, DWR well log database). Prepare map (ghost public well locations). b. Prepare data collection form and cover letter to be mailed to well owners. Cross reference owners and addresses with District records, ID-1 records, tax lot records. Identify properties in white area where well records have not been obtained. Make consistent with WMA and CMA efforts. c. Review form, map, and cover letter with EMA Agency Representatives and legal. d. Coordinate with District efforts for data management and storage. e. Mail out form and cover letter and provide review. Cross reference responses with District and ID-1 records. Identify potential well owners who have not responded. Make contact with those possible well owners. 	<p style="text-align: right;">May - August 2025</p>
<p>4. Well Metering Program Elements</p> <ul style="list-style-type: none"> a. Prepare draft well metering guidance document for well owners (Cuyama has one we can use) and prepare reporting form and cover letter. Make consistent with WMA and CMA efforts. GSA staff and legal review. b. Utilize information gathered from the well registration program and mail guidance document, reporting form, and cover letter to well owners. c. Coordinate with District efforts for data management and storage in the WMA and CMA. 	<p style="text-align: right;">July - September 2025</p>

TO: SYRVGB EMA GSA Board of Directors

FROM: Dan Heibel, Executive Director

DATE: January 23rd, 2025

SUBJECT: Item 8 – Review and consider approval of Consultant Proposals for the Prop 68 Round 2 Sustainable Groundwater Management Grant EMA GSA Implementation Plan

Purpose

The purpose of this Staff Report is to provide the Board of Directors (“Board”) of the Santa Ynez River Valley Groundwater Basin (“Basin”) Eastern Management Area Groundwater Sustainability Agency (“EMA GSA”) with Consultant Proposals for the Prop 68 Round 2 Sustainable Groundwater Management Grant EMA GSA Implementation Plan (“Implementation Plan”) for their approval consideration.

Background

The Santa Ynez River Water Conservation District (“District”) Board, on behalf of the EMA GSA and the other GSAs in the Basin, submitted an application to the California Department of Water Resources (“DWR”) to obtain a grant under the 2021 Prop 68 Round 2 Sustainable Groundwater Management Grant (“Prop 68 Grant”) to support implementation of the GSA’s Groundwater Sustainability Plans (“GSPs”). The grant application was accepted and awarded subject to a prime Grant Agreement between DWR and the District dated January 19th, 2024. The prime Grant Agreement includes a Work Plan detailing activities and required deliverables for each grant Component.

Discussion

To support the EMA GSA in completing its portion of the Prop 68 Grant, EMA GSA Staff prepared and presented an Implementation Plan, included as Attachment A. The Implementation Plan was developed through collaboration with representatives from the other Santa Ynez River Valley Groundwater Basin GSAs and presented at the December 19th, 2024 Board Meeting. EMA GSA Staff then proceeded with preparing and soliciting the Attached Proposals for tasks included in the Implementation Plan from Confluence Engineering Solutions (Attachment B) and GeoSystems Analysis (Attachment C). Additional proposals to support completion of the Implementation Plan will be presented to the Board at future meetings.

Recommendation

Review and consider approval of Consultant Proposals for the Implementation Plan.

Attachments

Attachment A: Implementation Plan

Attachment B: Confluence Engineering Solutions Implementation Plan Proposal

Attachment C: GeoSystems Analysis Implementation Plan Proposal

PROP 68 GRANT IMPLEMENTATION PLAN

12/17/2024

EMA GSA





Red text = Placeholder (proposal needed from consultant/contractor)

Component	Description	EMA Grant Funds	Proposed Consultant/Contractor										\$ Previously Spent	EMA Grant Implementation Total	Notes
			Executive Director (CES)	Stetson/SYRWCD	AgMonitor	GSI	WRE	Driller/Pump Contractor	GeoSystems Analysis	5-yr Update/Eval	GSA Legal				
Component 2	Extraction Measurement & Reporting														
Category (b)	Environmental / Design / Engineering														
Task 1	Environmental Compliance and Permitting	\$5,000	\$1,800									\$3,200		\$5,000	
Task 3	Demonstration Project Development	\$5,000	\$5,000											\$5,000	
Task 4	Basin-Wide Groundwater Extraction Measurement Program	\$5,000	\$50,000	\$10,000										\$60,000	\$55,000 moved from Task 5 to cover well registration in 'white area'
Category (c)	Implementation / Construction														
Task 5	Demo Projects	\$127,666	\$20,000		\$26,030									\$46,030	\$55,000 moved from here into Task 4 (see note above) and \$26,636 moved into Component 3 (see note below).
Category (d)	Monitoring / Assessment														
"Task 6"	Compile/analyze data	\$33,334	\$33,334											\$33,334	
Category (e)	Engagement / Outreach														
"Task 7"	Outreach / engagement	\$16,667	\$16,667											\$16,667	
	Component 2 TOTAL	\$192,667	\$126,801	\$10,000	\$26,030	\$0	\$0	\$0	\$0	\$0	\$3,200	\$0	\$0	\$166,031	
Component 3	Rate Studies														
		\$27,334						\$53,970						\$53,970	\$26,636 moved from Component 2 - Task 5 to cover entire WRE fee.
	Component 3 TOTAL	\$27,334	\$0	\$0	\$0	\$0	\$53,970	\$0	\$0	\$0	\$0	\$0	\$0	\$53,970	
Component 4	Annual Reports and 5-yr Update														
		\$497,333				\$155,000				\$242,333		\$100,000		\$497,333	GSI fee includes Action Plan implementation and Annual Reports for WY24 and WY25 (fee for WY25 estimated). \$ Previously Spent includes fees for WY22 and WY23 Annual Reports and Action Plan development. 5-yr is placeholder.
	Component 4 TOTAL	\$497,333	\$0	\$0	\$0	\$155,000	\$0	\$0	\$0	\$242,333	\$0	\$100,000	\$0	\$497,333	
Component 5	Monitoring Improvement & Expansion														
Category (b)	Environmental / Design / Engineering														
Task 1	Environmental Compliance and Permitting	\$7,000	\$3,500									\$3,500		\$7,000	
Task 2	Land Purchase / Easements	\$35,000	\$25,000									\$10,000		\$35,000	
Task 3	Monitoring Network Planning and Design														
	Preliminary design plans - Wells	\$7,000	\$1,000		\$6,000									\$7,000	
	Preliminary design plans - Piezometer	\$7,000	\$1,000		\$6,000									\$7,000	
Category (c)	Implementation / Construction														
Task 4	Advertise, Bid, & Award														
	Prepare final designs & specs	\$25,000	\$1,500		\$23,500									\$25,000	
	Complete bid docs & bid process	\$5,000	\$1,000		\$4,000									\$5,000	
Task 5	Monitoring Well and Equipment Installation														
	Install Monitoring Well	\$160,000	\$5,500		\$25,000			\$129,500						\$160,000	
	Install Piezometer	\$100,000	\$5,500		\$25,000			\$69,500						\$100,000	
	Deliverables	\$26,670	\$1,500		\$25,170									\$26,670	
Category (d)	Monitoring / Assessment														
Task 6	Monitoring Network Field Screenings														
	Update Monitoring Networks	\$10,000	\$10,000											\$10,000	
	Survey or video logs	\$70,335						\$70,335						\$70,335	There is likely not enough grant funding to survey all RMS wells with missing well completion information.
Task 7	Data Collection, Assessment, and DMS Updates														
	Semi-annual groundwater data	\$1,000	\$1,000											\$1,000	
	Semi-annual piezometer data	\$1,000	\$1,000											\$1,000	
	Field surveys re potential GDEs	\$50,500						\$50,500						\$50,500	
	Updates to DMS	\$6,000	\$6,000											\$6,000	
Category (e)	Engagement / Outreach														
	Meetings / workshops	\$33,333	\$33,333											\$33,333	
	Component 5 TOTAL	\$544,838	\$63,500	\$0	\$0	\$114,670	\$0	\$269,335	\$50,500	\$0	\$13,500	\$0	\$0	\$544,838	
	GRAND TOTAL	\$1,262,172	\$223,634	\$10,000	\$26,030	\$269,670	\$53,970	\$269,335	\$50,500	\$242,333	\$16,700	\$100,000	\$0	\$1,262,172	

Green highlighting = It is anticipated that the GSI fee for Tasks 3, 4, and 5 will be packaged in a single proposal (Drilling contractor fee will be separate).

GRANT COMPONENT 2 - PROJECT SCHEDULE

TASK	2024						2025						2026												
	Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Category (b): Environmental / Design / Engineering	Category Overall Time Span																								
Task 1 – Environmental Compliance and Permitting																									
Task 3 – Demonstration Project Development																									
Task 4 – Basin-Wide Groundwater Extraction Measurement Program																									
Category (c): Implementation and Construction	Category Overall Time Span																								
Task 5 – Demonstration Projects																									
Category (d): Monitoring and Assessment	Category Overall Time Span																								
"Task 6" – Compile/Analyze Data																									
Category (e): Engagement and Outreach	Category Overall Time Span																								
"Task 7" – Outreach/Engagement																									

-  Category Overall Time Span
-  GSA Tasks
-  Deliverables
-  Key Milestones

GRANT COMPONENT 5 - PROJECT SCHEDULE

TASK	2024						2025						2026												
	Q3			Q4			Q1			Q2			Q3			Q4			Q1			Q2			
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Category (b): Environmental / Design / Engineering	Category Overall Time Span																								
Task 1 – Environmental Compliance and Permitting																									
Task 2 – Land Purchase/Easements																									
Task 3 – Monitoring Network Planning and Design																									
Category (c): Implementation and Construction	Category Overall Time Span																								
Task 4 – Advertise, Bid, and Award																									
Task 5 – Monitoring Well and Equipment Installation																									
Category (d): Monitoring and Assessment	Category Overall Time Span																								
Task 6 – Monitoring Network Field Screening																									
Task 7 – Data Collection, Assessment, and DMS Updates																									
Category (e): Engagement and Outreach	Category Overall Time Span																								
Meetings/Workshops																									

Proposal

Consulting services for Proposition 68 Grant Implementation in the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency

EMA

Santa Ynez River Valley Groundwater Basin
Eastern Management Area
Groundwater Sustainability Agency



CONFLUENCE
ENGINEERING SOLUTIONS

January 15th, 2025

1/15/2025

To: Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency

Subject: Proposal to provide consulting services to support the Proposition 68 Grant Implementation for the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency

Confluence Engineering Solutions, Inc. (ConfluenceES) is pleased to provide the following proposal for consulting services for Proposition 68 Grant Implementation in the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency (EMA GSA). This proposal includes a scope of work and fee estimate to perform coordination and oversight duties necessary to successfully implement the EMA GSA Proposition 68 Grant Implementation Work Plan (Grant Work Plan).

Scope of Work

[Component 2] Well Extraction Measurement Demonstration Projects and Basin Reporting Program

Category (b) Environmental / Design/ Engineering

Task 1 Environmental Compliance and Permitting

- Work with EMA GSA Legal Counsel to:

Prepare environmental documentation and file Notice(s) of Exemption (NOE) with the County Clerk's Office and State Clearinghouse.

Submit the CEQA document(s) to the DWR Grant Manager for review and concurrence prior to beginning construction.

Task 3 Demonstration Project Development

- Support EKI with site selection and landowner coordination for development of three (3) Demonstration Project sites in the EMA.

Assumption: EKI is responsible for preparing the Grant Work Plan required technical memorandum summarizing development of demonstration projects.

Task 4 Basin-Wide Groundwater Extraction Measurement Program

- Support EKI with:
 - Development of a basin-wide groundwater extraction measurement program consistent with the requirements of the Prop 68 Grant Work Plan. Deliverables include:
 - Preparation and submittal of draft Implementing Rules and Regulations Document to the DWR Grant Manager for review and concurrence.
 - Finalization of the Implementing Rules and Regulations Document.

- Design and implement a well registration program for ‘white area’ in the EMA.

Category (c) Implementation / Construction

Task 5 Demonstration Projects

- Support EKI with:
 - Landowner coordination and equipment vendor/contractor coordination as required for installation and operation of Demonstration Project equipment,
 - Evaluation of the Demonstration Project acquired datasets to determine which measurement methods best fit the EMA GSA management area.

Assumptions: EKI is responsible for preparing the Grant Work Plan required technical memorandum summarizing extraction method findings and reported data. ConfluenceES will review and provide comments.

Category (d) Monitoring / Assessment

Task 6 Monitoring / Assessment

- Compile and analyze extraction production data.
- Organize data for inclusion in the existing groundwater model and water budgets update (which will be completed as part of the 5-year Evaluation in Component 4).
- Prepare technical memorandum summarizing groundwater extraction data for submittal to DWR.

Category (e) Engagement / Outreach

Task 7 Engagement / Outreach

- Increase outreach and coordination between GSA member agencies, landowners, and stakeholders.
- Create and distribute educational and outreach materials during public workshops.
- Facilitate an informational basin wide well extraction measurement presentation at three (3) informational public workshops and GSA meetings.
- Attend outreach events to educate groundwater extractors on the benefits of tracking and quantifying groundwater extractions in the Basin.

[Component 5] Monitoring Improvement and Expansion

Category (b) Environmental Compliance and Permitting

Task 1 Environmental Compliance and Permitting

- Work with EMA GSA Legal Counsel to:
 - Prepare environmental documentation and file Notice(s) of Exemption (NOE) with the County Clerk’s Office and State Clearinghouse.

- Submit the CEQA document(s) to the DWR Grant Manager for review and concurrence prior to beginning construction.

Task 2 Land Purchase/Easements

- Work with EMA GSA Legal Counsel to:
 - Secure access agreements with landowners for expansion of the Monitoring Networks, as needed.
 - Obtain any County encroachment permits and/or land use agreements.
 - Acquire necessary permits required for the well installations.

Task 3 Monitoring Network Planning and Design

- Project management and coordination with selected hydrogeology consultant to perform tasks consistent with the requirements of the Prop 68 Grant Work Plan, including:
 - Preparation of preliminary design plans for one (1) new monitoring well, and
 - Preparation of preliminary design plans for two (2) new piezometers.

Assumption: Selected hydrogeology consultant will be responsible for the preparation of all required deliverables.

Category (c) Implementation / Construction

Task 4 Advertise, Bid, and Award

- Support EKI and selected hydrogeology consultant to advertise, bid, and award process to select a drilling contractor, as specified in the Prop 68 Grant Work Plan.

Assumption: EKI will lead the Advertise, Bid, and Award task basin-wide and will be responsible for all required deliverables. ConfluenceES and/or selected hydrogeology consultant will provide review and comment.

Task 5 Monitoring Well and Equipment Installation

- Project management and coordination with selected hydrogeology consultant to perform tasks consistent with the requirements of the Prop 68 Grant Work Plan, including:
 - Installation of one (1) monitoring well, and
 - Installation of two (2) piezometers.

Assumption: Selected hydrogeology consultant will be responsible for the preparation of all required deliverables.

Task 6 Monitoring Network Field Screening

- Project management and coordination with selected contractor(s) to perform surveying or downhole video logging of Representative Monitoring Site (RMS) monitoring wells with missing well construction information.
- Preparation of a technical memorandum summarizing updates to the monitoring network.

It is assumed that the available Grant funding for this task will not be sufficient to perform surveying or downhole video logging of all RMS wells with currently missing well construction information (15 wells).

Category (d) Monitoring / Assessment

Task 7 Data Collection, Assessment, and DMS Updates

- Project management and oversight of semi-annual groundwater level data collection.
- Project management and oversight of Groundwater Dependent Ecosystems (GDEs) survey.
- Coordination with EKI on updates to the DMS as required by the Prop 68 Grant Workplan.
- Preparation of a technical memorandum summarizing monitoring data and surveys, assessments, and DMS updates.

Assumptions: Santa Barbara County will conduct semi-annual groundwater level monitoring at currently monitored sites, plus the new monitoring well and two new piezometers.

Category (e) Engagement / Outreach

Task 8 Engagement / Outreach

- Form Agricultural and Surface Water Advisory groups, prepare outreach materials, and identify potential new monitoring well sites.

Fee Estimate

ConfluenceES proposes to provide the consulting services described above for the EMA GSA on a time and materials basis (i.e. EMA GSA will only be charged for the amount of time required to provide the consulting services) with a not-to-exceed fee of \$223,634. A detailed breakdown of the level of effort and hourly rates for each task is provided in the tables below.

Direct expenses (e.g. travel, mileage (per IRS Rates), delivery/copy services, subconsultant services) will be invoiced with a 10% processing fee. ConfluenceES reserves the right to revise our standard billing rates on an annual basis and personnel classifications may be added as necessary.

	ConfluenceES						Total Hours	Total
	Principal Engineer	Senior Engineer/ Hydrogeo	Senior Engineer/ Hydrogeo	Associate Engineer	Assistant Engineer			
Prop 68 Grant - Component 2								
Extraction Measurement & Reporting	Dan Heime	Nate Page	Jeff Barry		Charlotte Arnao			
Task/Subtask	\$ 240	\$ 230	\$ 230	\$ 155	\$ 145			
Category (b) - Environmental / Design / Engineering								
Task 1 Environmental Compliance and Permitting	1	1			9		11	\$ 1,799
Task 3 Demonstration Project Development	5	4			20		29	\$ 5,005
Task 4 Basin-Wide Groundwater Extraction Measurement Program	35	89			146		270	\$ 50,004
Category (c) - Implementation/Construction								
Task 5 Demo Projects	24	38			39		100	\$ 20,004
Category (d) - Monitoring/Assessment								
"Task 6" Compile and Analyze Data.	26	41			122		189	\$ 33,339
Category (e) - Engagement/Outreach								
"Task 7" Outreach/Engagement	17		39		25		81	\$ 16,675
Total	108	173	39	-	360	-	680	\$ 126,825

Prop 68 Grant - Component 5		ConfluenceES						Total Hours	Total
		Principal Engineer	Senior Engineer/ Hydrogeo	Senior Engineer/ Hydrogeo	Associate Engineer	Assistant Engineer			
Monitoring Improvement & Expansion		Dan Heime	Nate Page	Jeff Barry		Charlotte Arnao			
Task/Subtask		\$ 240	\$ 230	\$ 230	\$ 155	\$ 145			
Category (b) - Environmental / Design / Engineering									
Task 1	Environmental Compliance and Permitting	6	7			4	16	\$ 3,495	
Task 2	Land Purchase / Easements	38	38			50	126	\$ 24,993	
Task 3	Monitoring Network Planning and Design						0	\$ -	
3a	Prelim Design - Wells	2	2				4	\$ 1,000	
3b	Prelim Design - Piezometers	2	2				4	\$ 1,000	
Category (c) - Implementation/Construction									
Task 4	Advertise, Bid, & Award						0	\$ -	
4a	Prepare Final Design & Specs	1	6				7	\$ 1,505	
4b	Complete Bid Docs & Bid Process	2	1			2	5	\$ 1,000	
Task 5	Monitoring Well and Equipment Installation						0	\$ -	
5a	Install Monitoring Well	10	14				24	\$ 5,500	
5b	Install Piezometer	10	14				24	\$ 5,500	
5c	Deliverables...	1	5.5				7	\$ 1,505	
Category (d) - Monitoring/Assessment									
Task 6	Monitoring Network Field Screenings						0	\$ -	
6a	Update Mon Networks	8	15			33	55	\$ 10,001	
6b	Survey or Video Logs						0	\$ -	
Task 7	Data Collection, Assessment, and DMS Updates						0	\$ -	
7a	Semi-annual groundwater data	2	2				4	\$ 998	
7b	Semi-annual piezometer data	2	2				4	\$ 998	
7c	Field surveys re potential GDEs						0	\$ -	
7d	Updates to DMS	7	16			5	28	\$ 6,006	
Category (e) - Engagement/Outreach									
	Meetings/Workshops	40		77		42	159	\$ 33,328	
Total		129.50	124	77	0	135	465	\$ 96,828	

Thank you for this opportunity to submit this proposal for consulting services for the EMA GSA.

Sincerely,

A handwritten signature in blue ink, appearing to read "Daniel Heimel".

Daniel Heimel, PE, MS
President/Principal Engineer
ConfluenceES





Santa Ynez River, Adobe stock image used with permission

**Groundwater Dependent Ecosystem
Analysis and Verification - Santa Ynez
River Valley Groundwater Basin
14 August 2024**

*Prepared for:
EKI Environment & Water, Inc.*

*Prepared by:
GeoSystems Analysis
3393 N. Dodge Blvd.
Tucson, Arizona 85716
www.gsanalysis.com*

PROPOSED PROJECT APPROACH

This proposal prepared by GeoSystems Analysis, Inc. (GeoSystems) presents an approach and estimated costs to analyze and refine the classification of Groundwater Dependent Ecosystems (GDEs) in the Santa Ynez River Valley Groundwater Basin (SYRVGB). California Department of Water Resources (DWR) Sustainable Groundwater Management Act (SGMA) regulations require the identification of GDEs as a responsibility of the Groundwater Sustainability Agency (GSA). SGMA defines GDEs as “ecological communities or species that depend on groundwater emerging from aquifers or on groundwater occurring near the ground surface.”

The evaluation area spans three GSAs within the SYRVGB: the Eastern Management Area (EMA), Central Management Area (CMA), and Western Management Area (WMA). GDEs were initially screened within each MA as part of Groundwater Sustainability Plan (GSP) development using the Natural Communities Commonly Associated with Groundwater (NCCAG) data set which identifies potential GDEs and assists GSAs with prioritizing sites for further evaluation. Based on the GSPs (Stetson Engineers 2021a; Stetson Engineers 2021b; GSI 2021), there are approximately 8,346 acres of potential GDE vegetation communities distributed within the GSAs, as follows:

- WMA: 5,161 acres of potential GDEs (Stetson Engineers, Inc 2021a)
- CMA: 1,454 acres of potential GDEs (Stetson Engineers, Inc 2021b)
- EMA: 1,731 acres of potential GDEs* (GSI 2021)

*The EMA excluded the Santa Ynez River Area from GDE consideration.

The GDE analyses presented in the GSP generally identified Class A potential GDEs (Class A refers to potential GDEs with the highest probability of connection to the principal aquifer) but did not conduct field verification. Per the EMA GSP (GSI 2021), “a preliminary evaluation indicates there are insufficient data available to confirm the existence of and the full nature and extent of Category A potential GDEs and certain other potential GDE areas identified to address this uncertainty, the recommended next step is to conduct field surveys to document and characterize the Category A potential GDEs.”

This scope of work conducts a desktop and field GDE evaluation within the Santa Ynez Basin for each GSA:

- Evaluate NCCAG data with alternative sources of vegetation and wetland mapping data to determine whether potential inaccuracies exist in NCCAG classifications or whether potential GDEs were omitted in the NCCAG data.
- Evaluate land ownership to identify potential public lands for field evaluations, and coordinate with private landowners to gain access to priority (based on vegetation, soil, and groundwater conditions) parcels for field assessments. Collaborate with GSA member agency staff to coordinate access in high priority areas.

- Evaluate soil, groundwater, and geologic conditions to assess the potential effect of these parameters on the presence of GDEs found within the GSAs.
- Conduct a field assessment to evaluate the vegetation mapping reliability, document habitat conditions, vegetation health, natural reproduction, and aid in the identification of GDEs.
- Use a consistent GDE classification schema to normalize GDE evaluations and identify GDEs in the GSAs based on inferred depth to groundwater, vegetation conditions, manmade modifiers, and geomorphic position.
- Assess whether the results of the GDE identification process are consistent with remote sensing analyses (Sentinel-derived imagery and OpenET) and leverage remote sensing processes to gauge GDE health.
- Provide a report and accompanying data to describe the methods and results of the analyses.

It's important to note that previous GSPs inconsistently screened GDEs in the Santa Ynez River Area. The EMA GSP (GSI 2021) states, *"Note that potential GDEs relating to the Santa Ynez River were excluded from the GDE analysis because the Santa Ynez River and its underflow are considered to be surface water underflow managed by the State Water Resources Control Board (SWRCB), rather than "groundwater" as defined by SGMA, and therefore is not under the purview of SGMA or the EMA GSA."* However, riparian/wetland communities adjacent to the Santa Ynez River are characterized as "Category A – Potential GDE associated with a Principal Aquifer" in the WMA (Stetson Engineers, Inc 2021a) and "NCCAG Vegetation with Possible Connection to Groundwater" in the CMA (Stetson Engineers, Inc 2021b). We propose a consistent approach to characterizing GDEs within the Sub-basin regardless of GSA.

This Scope of Work is divided into Phases and Tasks. Work performed for each GSA is considered a Phase (WMA is Phase 1, CMA is Phase 2, EMA is Phase 3), and since the technical approach is being replicated across each MA, there are three Tasks (Tasks A, B, and C) proposed within each Phase. Proposed fees are provided at the Phase and Task level later in this proposal. The plan is designed to independently conduct each assessment for each GSA.

TASK A: REVIEW OF AVAILABLE BACKGROUND DATA AND REMOTE SENSING ANALYSIS

During the first Task (Task A), our team will assemble, review, and synthesize more recent data resources for the Santa Ynez Sub-basin than products used in Klausmayer et al., 2018. We envision these data will include the following information, at a minimum and as available:

- Publicly-available satellite imagery (e.g. Sentinel) and aerial photography
- Existing LiDAR data
- OpenET data (<https://etdata.org/>)
- Groundwater elevation data
- GDE Pulse tool (TNC)
- Alternative wetland and vegetation mapping resources

These data will be processed and compared to the NCCAG-defined GDE areas. Other data that may be used to refine the evaluation may include USDA NRCS soils map (which include hydric soil indicators) and surficial geology data. Contiguous GDE areas will be evaluated based on GDE indicators such as:

- Presence of shallow groundwater
- Presence of hydrologic conditions (i.e. fine-grained soils (hydric) or alluvial deposits)
- Presence of water during the dry season
- Presence of riparian/wetland obligate species or National Wetlands Inventory wetland or riparian sites
- Consistent evapotranspiration rates, regardless of season, rainfall, surface water presence, and volume of surface water input
- Consistent greenness regardless of season, rainfall, surface water presence, and volume of surface water input

Based on the results of this review, the NCCAG defined GDE areas will be prioritized for further evaluation, including field characterization, as described in the next task.

TASK B: FIELD CHARACTERIZATION OF VEGETATION

NCCAG compiles vegetation, wetlands, springs, and seeps data from 48 publicly available state and federal agency datasets and then screens the data to exclude vegetation and wetland types less likely to be associated with groundwater but retain types commonly associated with groundwater per Klausmeyer et al. (2018). While a NCCAG is a useful starting point for GDE evaluations, our experience is that the NCCAG screening process sometimes omits GDEs and it even more frequently overestimates GDEs.

In Task 2, GeoSystems will field verify the vegetation dataset will include NCCAG defined GDE areas; plus other sites identified from alternative vegetation mapping layers (e.g. National Wetlands Inventory, VegCAMP) and through remote sensing evaluations to identify areas with consistent “greenness” (per Sentinel imagery), and high evapotranspiration rates (per OpenET). Field data collection will focus on validating conditions for a representative subset of sites assigned as low and medium probability assessment areas (during the previous task).

Map unit attributes will be documented in the field using a customized GDE evaluation tool developed by our team during other GSA studies. This field evaluation tool is

consistent with GDE evaluation criteria developed by The Nature Conservancy (TNC). Field vegetation assessment methods will entail two different monitoring intensities: 1) “full, onsite” assessment; and 2) a relatively “rapid, remote” assessment. Regardless of the assessment method (full vs. rapid/remote), the assessment will be designed to meet the following objectives:

- Confirm the vegetation/wetland community is accurately described in the existing mapping (e.g. NCCAG or alternative sources). If not, record the actual type.
- Document vegetation vigor, survival, canopy dieback, structure, diversity, prominence of native vs. exotic species, and natural reproduction.
- Document whether or not the feature appears to be a GDE.
- Determine whether there are alternative sources of water besides groundwater (natural or manmade)?
- Evaluate whether the feature is near a spring, river, or stream? If the site is along a river or stream, does it appear to be a gaining or losing reach?

The full intensity and rapid/remote assessments both focus on documenting similar attributes and answering the same questions; however, the full intensity assessment method gathers more precise, detailed (e.g. info on soil conditions and herbaceous vegetation), and quantitative (primarily within cover classes) data than the rapid/remote method. The field ecologist will use either a custom smartphone/tablet application to log GDE-related field attributes or an identically replicated hardcopy datasheet to log observations (depending on whether the hardcopy or electronic form was assumed to be more efficient at a specific site). GPS-enabled maps that include study site boundaries, roads, NCCAG features, and riparian/wetland areas identified from alternative sources will be loaded onto field tablets and used by field ecologists to plot their field location in relation to these site attributes.

Key data collection variables during the full intensity assessment method will include:

- Visible evidence of groundwater.
- Dominant vegetation species, subdominant woody vegetation species, aerial vegetation cover class (woody species, graminoids, weeds), vegetation structure (i.e. vertical distribution of canopy layers based on canopy layer cover), and list of observed weed species.
- Indications of moisture stress (proportion live vs. senescent canopy), and indications of natural reproduction (density, distribution, and size class).
- Ecological conditions (e.g. Biological Condition Gradient Classification Scheme, [EPA 2016]).
- Ground cover: Bare ground, rock, litter, cobble, basal vegetation (within cover classes).

- Soils: texture, moisture, and redox indicators in top 6 inches.
- Surface Water: Presence/absence of surface water and surface water indicators, apparent flow consistency, channel dynamics, surface water fate (if applicable), and erosion indicators.
- Human influence and disturbance: Manmade structures, manmade hydrologic alterations, animal effects, soil disturbance indicators, water diversion observations, and land use changes.
- GDE classification schema: Assign a GDE type for this basin – combine a moisture class, predicted aquifer source, and manmade modifier.
- Geotagged field photos (included in the project geo-database).

After field data collection, raw field data will be exported from Fulcrum® into Microsoft Excel® and ArcGIS Desktop®. Outputs from this data collection effort would include, at a minimum: a geo-database that includes attributes observed per the methodology discussed above that will be used to streamline creation of other thematic maps within the report.

TASK C: TECHNICAL REPORT

Separate technical reports and data deliverables will be developed for each GSA. The report will describe analytical methods, field and desktop evaluation results, and will clearly define where GDEs are present based on the current data within the Sub-basin. OpenET and satellite data derived indications of GDE health will be provided along with a summary of GDE health per the GDE Pulse tool.

PROJECT BUDGET AND SCHEDULE

An estimated budget is provided in Tables 1, 2 and 3 for the EMA, CMA and WMA GSAs respectively. Cost assumptions include:

- GeoSystems will provide maps and target area locations for full intensity and rapid/remote assessments. GSA member agency staff or consultants will coordinate field access to any public or private land as needed.
- GSA member agency staff or consultants will provide groundwater elevation grids and contours, plus depth to groundwater in the same geo-spatial format.
- Field work assumes four 10-hour field days per MA with three field staff mobilized from the GSA Albuquerque, New Mexico office (12 days total). Typically, field staff can perform the detailed field assessment of a rate of 100-200 acres per day per botanist.
- All other documentation (i.e. CEQA, biological and cultural resource), investigations, and reporting as required will be handled by GSA member agency staff or consultants.

A proposed schedule for key project milestones and deliverables is as follows:

- September 2024-February 2025: Data assembly and desktop analysis
- February 2025: Recommended priority areas for field evaluation delivered to the GSAs
- May-July 2025: Field evaluations
- July-October 2025: Data analysis
- September-December 2025: Report development
- December 31, 2025: Draft reports (Separate memos for WMA, CMA, EMA)
- January 2026: GSAs, member agencies, and their consultants I review draft reports
- February 2026: Final report development
- March 1, 2026: Final reports delivered to the GSAs

Table 1. Summary of Estimated Costs - EMA

Tasks			Chad McKenna	\$ 165	Jonathan Tanis	\$ 125.00	Will Widener	\$ 125.00	Field/GIS Technician	\$ 95.00	Mike Milczarek	\$ 250.00	Total
			Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
EMA	a	Data collection and desktop analysis	16	\$ 2,640	36	\$ 4,500	12	\$ 1,500	24	\$ 2,280	2	\$ 500	\$ 11,420
	b	Field assessment	24	\$ 3,960	60	\$ 7,500	60	\$ 7,500	60	\$ 5,700		\$ -	\$ 24,660
	c	Reporting	32	\$ 5,280	24	\$ 3,000	13	\$ 1,625	16	\$ 1,520	12	\$ 3,000	\$ 14,420
	Total		72	\$ 11,880	120	\$ 15,000	85	\$ 10,625	100	\$ 9,500	14	\$ 3,500	\$ 50,500

Table 2. Summary of Estimated Costs - CMA

Tasks			Chad McKenna	\$ 165	Jonathan Tanis	\$ 125.00	Will Widener	\$ 125.00	Field/GIS Technician	\$ 95.00	Mike Milczarek	\$ 250.00	Total
			Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
CMA	a	Data collection and desktop analysis	16	\$ 2,640	36	\$ 4,500	12	\$ 1,500	24	\$ 2,280	2	\$ 500	\$ 11,420
	b	Field assessment	24	\$ 3,960	60	\$ 7,500	60	\$ 7,500	60	\$ 5,700		\$ -	\$ 24,660
	c	Reporting	32	\$ 5,280	24	\$ 3,000	13	\$ 1,625	16	\$ 1,520	12	\$ 3,000	\$ 14,420
	Total		72	\$ 11,880	120	\$ 15,000	85	\$ 10,625	100	\$ 9,500	14	\$ 3,500	\$ 50,500

Table 3. Summary of Estimated Costs - WMA

Tasks			Chad McKenna	\$ 165	Jonathan Tanis	\$ 125.00	Will Widener	\$ 125.00	Field/GIS Technician	\$ 95.00	Mike Milczarek	\$ 250.00	Total
			Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	
WMA	a	Data collection and desktop analysis	16	\$ 2,640	40	\$ 5,000	40	\$ 5,000	40	\$ 3,800	2	\$ 500	\$ 16,940
	b	Field assessment	24	\$ 3,960	80	\$ 10,000	80	\$ 10,000	80	\$ 7,600		\$ -	\$ 31,560
	c	Reporting	32	\$ 5,280	40	\$ 5,000	16	\$ 2,000	32	\$ 3,040	12	\$ 3,000	\$ 18,320
	Total		72	\$ 11,880	160	\$ 20,000	136	\$ 17,000	152	\$ 14,440	14	\$ 3,500	\$ 66,820

REFERENCES

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GSI Water Solutions, Inc. 2021 EMA Groundwater Sustainability Plan

Klausmeyer, K., Howard J., Keeler-Wolf T., Davis-Fadtke K., Hull R., and Lyons A., 2018. Mapping Indicators of Groundwater dependent ecosystems in California

Stetson Engineers, Inc. 2021a. WMA Groundwater Sustainability Plan

Stetson Engineers, Inc. 2021b. CMA Groundwater Sustainability Plan

TO: SYRVGB EMA GSA Board of Directors

FROM: Dan Heibel, Executive Director

DATE: January 23rd, 2025

SUBJECT: Item 9 – Review and consider approval of request for Agricultural Director representation at EMA GSA Agency Representative Meetings

Purpose

The purpose of this Staff Report is to provide the Board of Directors (“Board”) of the Santa Ynez River Valley Groundwater Basin Eastern Management Area Groundwater Sustainability Agency (“EMA GSA”) with the request for Agricultural Director representation at EMA GSA Agency Representative Meetings for their approval consideration.

Discussion

On a bi-monthly (i.e. twice a month) basis, the EMA GSA Executive Director, Legal Counsel, and Representatives from the Member Agencies participate in EMA GSA Agency Representative Meetings to provide updates on EMA GSA initiatives, coordinate on tasks, and prepare for upcoming Board and other meetings. At the December 19th, 2024 Board Meeting the Agricultural Director (Douglas Circle) requested the Board agendaize a future agenda item to consider appointing an Agricultural Director representative to participate in the EMA GSA Agency Representative Meetings.

Recommendation

Review and consider approval of request for Agricultural Director representation at EMA GSA Agency Representative Meetings.