KERN GROUNDWATER AUTHORITY

Regular Meeting of Board of Directors
February 27, 2019, 8:00 a.m.
Greater Bakersfield Chamber
1725 Eye Street

Kern Groundwater Authority Board of Directors Agenda

This meeting is held in accordance with the Brown Act pursuant to Section 54956 of the California Government Code and the Kern Fan Authority Joint Powers Agreement.

1. Roll Call - Quorum Determination
In the absence of a quorum of the Board the meeting will be adjourned.

2. Public Input
This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board matters of which the Board may not be aware and which are not on the current agenda. No action can be taken on any matter raised during this portion of the meeting; however, a Board member may request that the matter be placed on any future agenda for further review and possible action. Members of the public may directly address the Board of Directors on any item of interest within the Board's subject matter jurisdiction, before or during the Board's consideration of the item. The President may limit the time allowed for comment.

3. Approval of Minutes
a. January 23, 2019 Regular Board Meeting Minutes*

4. Treasurer's Report
a. Accounts Payable/Receivable*

5. Basin Coordinator/Planning Manager Report
a. GEI GSP Contract – GSP Umbrella Participating Percentages*
b. Prop 1 Grant sub-agreement with KRGSA*
c. GEI Amendment 2 Task Order #17*
d. Venue Agreement with Greater Bakersfield Chamber of Commerce*
e. Presentation on setting Minimum Thresholds – GEI
f. Update on DWR Final on Basin Boundary Adjustment – West Kern
g. Urban Committee Meeting Update – Meetings cancelled until needed
h. GSA's Policy Coordination Meeting Update

- Denotes Action Item

i. Accomplishments
j. Forward Work Plan

6. New Business

This Portion of the Meeting is set aside to provide each Board member an opportunity to bring to the attention of other Board members and the public matters which have come to their attention and/or which may be appropriate for future consideration. No action can be taken on any matter raised during this portion of the meeting, however, a Board member may request that the matter be placed on any future agenda for further review and possible action.

7. Correspondence

a. SGMA Research – Michael Roberts, University of Massachusetts Amherst

8. Attorney(s) Report

9. Closed Session –

a. Employee Performance Evaluation – Title: Planning Manager
(Government Code Section 54957)

10. Closed Session Action

11. Adjournment

A person with a qualifying disability under the Americans with Disabilities Act of 1990 may request the Authority provide disability-related modification or accommodation in order to participate in any public meeting of the Authority. Such assistance includes appropriate alternative formats for the agendas and agenda packets. Requests should be made in person, by telephone, facsimile and/or written correspondence to the Authority office, at least 48 hours before a public Authority meeting. Written materials related to an item on this agenda to be considered in open session that are public documents and that are distributed to board members after the posting of the agenda, will be made available for public inspection when they are so distribution at the office of the Authority located at 849 Allen Road, Bakersfield, California during normal business hours. Documents that are public documents provided by others during a meeting will be available at the same location during business hours after the meeting.

- Denotes Action Item

JPA Board Meeting Minutes
Kern Groundwater Authority
Wednesday, January 23, 2019

JPA DISTRICT REPRESENTATIVES AND ALTERNATES PRESENT

Kevin Pascoe, Arvin-Edison WSD
John Gaugel, Cawelo WD
Chad Hathaway, Eastside Water Management Area (non-voting member)
Royce Fast, Kern County Water Agency
Bill Taube, Kern Water Bank Authority
Kevin Andrew, North Kern Water Storage District
Jason Selvidge, Rosedale-Rio Bravo WSD
Rick Wegis, Semitropic WSD
Mark Franz, Shafter-Wasco ID
Ryan Fachin, Tejon-Castac WD
Gary Morris, West Kern WD
Rob Goff, Westside District Water Authority
Dennis Mullins, Wheeler Ridge-Maricopa WSD

JPA DISTRICT REPRESENTATIVES ABSENT

Bob Rodriguez, Arvin Community Services District
Chad Givens, City of Shafter
Jim Regan, SSJMUD
Andrew Pandol, Kern-Tulare WD

OTHERS PRESENT

Raul Barraza JR, Arvin Community Services District
Alan Peake, Arvin Community Services District
Steve Collup, Arvin-Edison WSD
Dan Raytis, Belden Blaine Raytis, LLP
Brad DeBranch, Bolthouse Properties
Dave Ansolabehere, Cawelo WD
Dave Hampton, Cawelo WD
Michael James, City of Shafter
Jance Moehnke, Chevron
Steve Lewis, E&B
Jim Beck, Eastside Water Management Agency
Larry Rodriguez, GEI Consultants
Michelle Ricker, GEI Consultants
Max Bricker, Henry Miller WD
Alan Christensen, Kern County Administration Office
Florin Core, Kern County Administration Office
Marty Milobar, KCWA
Gene Lundquist, KCWA ID4
Mark Mulkay, Kern Delta WD

Rich Tillema, Kern Delta WD
Kevin Antongiovanni, Kern Delta WD
Joe Huges, Klein Law
Robert Kuhs, Kuhs Parker Law
Robert Hartsock, McMurtrey, Hartsock & Worth
Dick Diamond, North Kern Water Storage District
Marinelle Duarosan, North Kern Water Storage District
Doug Nunneley, Oildale Water
Valerie Kincaid, O'Laughlin Paris, LLC
Pres Brittan, Pacific Resources
Rebecca Gomez, Provost & Pritchard
Terry Erlewine, Kern Groundwater Authority
Patty Poire, Kern Groundwater Authority
Eric Averett, Rosedale-Rio Bravo WSD
Dan Bartel, Rosedale-Rio Bravo WSD
Gary Unruh, Rosedale-Rio Bravo WSD
Bret Sill, Sill Properties
Todd Turley, South Valley Farms
Angelica Martin, Tejon-Castaic WD
Harry Starkey, West Kern WD
Sunny Kapoor, West Kern WD
Wendy Rosenberger, West Kern WD
Greg Hammett, Westside District Water Authority
Sheridan Nicholas, Wheeler Ridge-Maricopa WSD
George Cappello, Wheeler Ridge-Maricopa WSD
Michael Blaine, Wheeler Ridge-Maricopa WSD
Tim Gobler, Wonderful Orchards
Garrett Busch, Wonderful Orchards
Scot Kuney, Young Woodridge
Alan Doud, Young Wooldridge
Don Wright
Craig Lynch, Lynch & Lynch, LLP
Jim Beck
Michael Roberts
Molly Saso
John Hancock
Christine Dixor, Sentinel Peak
Craig Wilson, City of Delano
Tim Lovley, Macpherson
Delores Salgado

1. **Call to Order** – Chairman Mullins called the meeting to order at 8:06 a.m., it was announced that a quorum had not been met. Decision was made to start with agenda items that did not require a vote until a quorum is achieved.

2. **Public Comments** – Don Wright with Water Wrights announced that Fresno State will be hosting Groundwater Markets Exchange Symposium, January 24, 2019, 8am.

5. **Basin Coordinator/ Planning Manager Report**

   g. **Participating Percentages for 2019 Budget - Discussion** – Ms. Poire reviewed the 2019 draft Participating Percentages of the Budget reflecting the withdrawal of Kern County. She explained that there are still non-districted lands moving into districts and will work to provide a final version at the February Board meeting.

   h. **Update on Basin Boundary Adjustment** – Ms. Poire advised of notice from DWR on an update on the submitted Basin Boundary Adjustment from West Kern. Ms. Poire asked Mr. Lewis with E&B to provide the update. He reported that the Boundary Application to DWR has been partially approved, however Midway, Buena Vista and Elk Hills will remain within the Kern basin boundary. Approximately 10% of the acres submitted to DWR have been approved for the adjustment.

1. **The Board met the threshold for a quorum as of 8:12 a.m. under the JPA and operated under it. Decision was to continue the meeting at the top of the agenda.**

3. **Approval of Minutes**
   a. December 19, 2018 Regular Board Meeting Minutes
      Ms. Poire made a recommendation to correct the December 19, 2018 meeting minutes to reflect Chad Givens, City of Shafter, was not in attendance
   b. October 24, 2018 Regular Board Meeting Minutes
      Ms. Poire made a recommendation to correct the October 24, 2018 meeting minutes to reflect Chad Hathaway, Eastside Water Management Area, as a non-voting member.
      A motion was made by Director Selvidge and seconded by Director Gaugel to approve both the December 19, 2018 and the October 24, 2018 Regular Board Meeting Minutes with recommended corrections. The motion was unanimously carried.

4. **Treasurer's Report**
   a. **Accounts Payable/Receivable** – Mrs. Duarosan presented the Treasurer's Report Memo for the period from December 1, 2018 through December 31, 2018. Exhibit A of the Treasurer's Report showed the beginning cash balance of $536,488.56. Deposits from cash calls were received in the amount of $32,128.24. Disbursements for the month of December totaled $226,246.42. The cash balance as of December 31, 2018 was $342,370.38. Exhibit B reflects cash received and deposited from January 1, 2019 through January 16, 2019 totaling $45,812.22. Accounts receivable of $16,576.73 from KGA members are summarized in Exhibit C. Exhibit D reflects accounts receivable from grants totaling $47,568.49. Accounts payable as of December 31, 2018 are detailed in Exhibit E. Outstanding payables total $135,965.61, and the requested amount for payment approval was $68,369.65. Invoices totaling $67,595.96 remained on

hold pending further review. A motion to approve the treasurer's report and payables was made by Director Fast and seconded by Director Andrew. The motion was unanimously carried.

5. **Basin Coordinator/ Planning Manager Report**
    a. **Cost Share Agreement – Woodard & Curran** – Ms. Poire reported invoices to the GSAs participating in the Woodard & Curran Cost Share Agreement will be issued at the end of month.
    b. **GEI Proposal – GSP Umbrella & Participating Percentages** – Ms. Poire reported that GEI has submitted a Proposal for the development of the Groundwater Sustainability Umbrella Plan. Larry Rodriguez with GEI presented the entire schedule and reviewed the proposal with the Board. Both Ms. Poire and Mr. Rodriguez stressed to the Board the importance of keeping to the schedule by each member. Ms. Poire advised the Board that participating percentages will be brought back to the Board for approval at the February Board meeting and will be shared equally by those members who are submitting a chapter for the GSP. A motion to approve GEI Proposal, was made by Director Wegis and seconded by Director Taube. The motion was unanimously carried.
    c. **GEI Proposal – Task Order #7 for 2018 Year Project Management**– Ms. Poire presented the GEI Task Order #7 for 2018 for approval and advised that this task order only covers those invoices that occurred in 2018 and the following item is for the Task Order that covers only the 2019 year. She reported that some of the invoices that have been held for further review in the financials were unable to move forward to payment because there was not a Board - approved task order to pay from. She requested that once the Board approves this 2018 Task Order, she will proceed to request the Board to approve payment of those task orders being held. The Board elected to handle the 2018 and 2019 Task Orders under one action.
    d. **GEI Proposal – Task Order #7 for 2019 Year Project Management**– Ms. Poire presented the GEI Task Order #7 for 2019 for approval. She explained that this Task Order only covers invoices for the 2019 year. A motion to approve GEI Task Order #7 for 2018 and 2019 was made by Director Selvidge and seconded by Director Morris. The motion was unanimously carried. A motion to approve payment the GEI held invoices related to Task Orders #7 for 2018 and 2019 was made by Director Andrew and seconded by Director Fast. The motion was unanimously carried.
    e. **SAA#1 – ITRC Grant Refund amount of $29,235.49** – Ms. Poire reported that the KGA received refunds from submittals #1 and #2 from the Water Use Efficiency Grant Program and seek approval to disburse those funds per the participating percentages in the original agreement. Ms. Poire provided to the KGA Board the original participating percentages, funds paid from those who participated, and the disbursement amounts based on the participating percentages. She also advised that the managers received a copy of the information and that she received no comments other than to move forward with the disbursement. A motion was made to approve refund disbursements based on the participants

list was made by Director Pascoe and seconded by Director Fast. The motion was unanimously carried.

f. **Adding an Oil Industry Representative to the KGA Board as a non-voting member** – Ms. Poire described a request to allow an oil industry advisor that represents the industry to work with the board and provide industry expertise. There was discussion whether this role would be an Advisor or an Associate non-voting member. Based on the discussion, no action was necessary to officially appoint someone in an advisory capacity. The Board gave general direction to allow the oil industry to chose someone to fit the advisor role.

i. **Update on the Prop 1 Grant sub-agreement with KRGSA** – Ms. Poire reported the KRGSA has signed the Prop 1 Grant Agreement and submitted it to DWR. Ms. Poire reported that the sub-agreement has been drafted and in working with KGA Consultant P&P and Ms. Kincaid, comments have been provided to KRGSA. Ms. Poire stated that her goal is to have the sub-agreement ready for the Board to approve at February's Board Meeting.

j. **Urban Committee Meeting Update** – No reported update.

k. **Accomplishments** – Ms. Poire reported the Policy Committee met in January topics discussed included, Kern County's withdrawal; the coordination agreement; the first basin model run results; moving forward on completing our water budget and staying coordinated for submittal of the water budget.

l. **Forward Work Plan** – Ms. Poire referred to the write-up in the board package. Ms. Poire reported the second draft of the basin setting was released. On-going meetings and discussions are being held with the oil industry. Process is complete with Kern County Environmental Health Department on the notification of new water well permits. Manager meetings are continuing to be held every Friday and are moving forward the coordination of the GSP's. Ms. Poire reported she was approached by the Water Solutions Network to participate in the Water Solutions Network as a representative for the basin. The Board supported having Ms. Poire to serve as a representative for this Basin. Ms. Poire also asked if any landowner is interested in participating as well to let her know.

6. **New Business** – No new business to report.

7. **Correspondence** – None

8. **Attorney(s) Report** – Ms. Kincaid reported a draft coordination agreement remains under review with KRGSA. Ms. Kincaid reported meeting with the State Water Board staff and legal counsel regarding nondistricted irrigated acres and jurisdiction issues. Mr. Averett with Rosedale Rio Bravo Water Storage District, who was also in the meeting, presented options for dealing with the nondistricted areas and noted that the Kern basin is out of time to add nondistricted irrigated acres.

9. **Closed Session** – No closed session.

10. **Closed Session Action** – None.

11. **Adjournment** – 9:35 a.m.

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NORTH KERN WATER STORAGE DISTRICT

February 27, 2019

TO: Kern Groundwater Authority Members

FROM: Richard Diamond, General Manager

RECOMMENDED MOTION

Approve the Treasurer's Report as presented and authorize disbursement of accounts payable in the amount of $131,389.84 as detailed in **Exhibit E.** (Note that total outstanding payables are $168,178.96, the difference of $36,789.12 is not requested for payment at this time due to pending items as noted in Exhibit E which requires further review by the Planning Manager).

DISCUSSION

Exhibit A is the Treasurer's Report for the Authority's financial activities from January 1, 2019 through January 31, 2019. Cash deposits for the month were $45,812.22 related to SAA#3 & #4 Cash Calls and grant proceeds. After disbursement of expenses and refunds totaling $109,277.51, the cash balance at January 31, 2019 was $278,905.09. **Exhibit B** reflects the status of cash receipts and deposits from February 1 through February 21, 2019 which totals $1,380.22.

Exhibit C reflects Accounts Receivable balance from Members & Participants at January 31, 2019 which totals $13,777.31 related to the Phase 2 Peer Review-Cash Call#1. After offsetting cash collections received through February 21st as per **Exhibit B**, current outstanding balances from Members & Participants total $12,397.09. Receivable from Grants total $18,593.44 as detailed in **Exhibit D**. There is also a receivable balance from GEI in the amount of $5,953.60. Overall, total Accounts Receivable at January 31, 2019 was $38,324.35.

Exhibit E is the detail of Accounts Payable as of January 31, 2019. Outstanding payables total $168,178.96, however, the amount being requested for payment approval at this time is $131,389.84. Invoices totaling $36,789.12 remains on hold pending open items as noted and will require further review.

Exhibit F is the Authority's unaudited financial statements at January 31, 2019. They include a Statement of Net Position as of January 31, 2019 and a Statement of Revenues and Expenses for the 1 month ended January 31, 2019. Both statements present the financial position and results of the Authority's activities for the general JPA membership and each specific Special Activity Agreements. Please direct questions regarding the above to the District's General Manager, Richard Diamond (rdiamond@northkernwsd.com). You may also reach us at the District's Office, 661-393-2696.

Exhibit A
Kern Groundwater Authority
Treasurer's Report - through January 31, 2019

CURRENT ACTIVITY

Cash Balance, Prior Report (December 31, 2018) 342,370.38

Deposits	Date	Purpose	Amount
Kern County Water Agency	1/16/2019	SAA#4 Call #2	319.00
Shafter-Wasco Irrigiation District	1/16/2019	SAA#4 Call #2	5,566.00
Kern-Tulare Water District	1/16/2019	SAA#4 Call #2	1,595.00
Southern San Joaquin M.U.D.	1/16/2019	SAA#4 Call #2	8,811.00
Shafter-Wasco Irrigiation District	1/16/2019	SAA#3 Budg Shortfall	95.24
Kern-Tulare Water District	1/16/2019	SAA#3 Budg Shortfall	95.25
Southern San Joaquin M.U.D.	1/16/2019	SAA#3 Budg Shortfall	95.24
Department of Water Resources	1/16/2019	ITRC Grant Proceeds	28,085.74
Department of Water Resources	1/16/2019	ITRC Grant Proceeds	1,149.75

Total Deposits from Cash Calls 45,812.22

Disbursements	Date	Ck #	Amount	
GEI Consultants	2/1/19	1609	11,672.37	
Provost & Pritchard	2/1/19	1610	46,919.65	
Woodard & Curran	2/1/19	1611	21,450.00	
Arvin Edison WSD	2/1/19	1612	2,970.50	
Buena Vista WSD	2/1/19	1613	1,213.44	
Cawelo WD	2/1/19	1614	1,122.81	
County of Kern	2/1/19	1615	602.42	
Kern River GSA	2/1/19	1616	5,519.83	
Kern Tulare WD	2/1/19	1617	497.18	
Kern Water Bank Authority	2/1/19	1618	494.25	
North Kern WSD	2/1/19	1619	1,932.65	
Olcese WD	2/1/19	1620	196.05	
Rosedale-Rio Bravo WSD	2/1/19	1621	1,046.80	
Semitropic WSD	2/1/19	1622	5,391.20	
Shafter-Wasco ID	2/1/19	1623	938.63	
Southern San Joaquin MUD	2/1/19	1624	1,488.26	
Tejon-Castac District	2/1/19	1625	17.71	
West Kern WD	2/1/19	1626	318.84	
Westside Water District Authority	2/1/19	1627	2,148.98	
Wheeler Ridge-Maricopa WSD	2/1/19	1628	3,335.94	
				109,277.51

Cash Balance, Current Report (January 31, 2019) 278,905.09

Accounts Receivable

See Attached Receivables from Members/Participants (Exhibit C)		13,777.31	
Other Receivables:			
Prop 1 Distress Grant - 5% retention Req #2 (Gen Acct)	8,415.39		
Prop 1 Distress Grant - 10% retention Req #3 (Gen Acct)	6,669.22		
ITRC Grant - Req #1	3,120.64		
ITRC Grant - Req #2	127.75		
ITRC Grant - Req #3	260.44		
Grant Receivable - see Exhibit D		18,593.44	
Misc Receivables - GEI		5,953.60	
			38,324.35

Accounts Payable

See Attached A/P Detail (Exhibit E) 168,178.96

Net Assets, January 31, 2019 **149,050.48**

Exhibit B

Kern Groundwater Authority

Treasurer's Report - Deposits through February 21, 2019

Cash Call Deposits - Feb 1 - Feb 21, 2019	Dep Date	Amount	
Olcese Water District	2/11/2019	$ 225.57	
Henry Miller WD	2/21/2019	1,154.65	
Deposits Peer Review Phase 2 - 2019 Cash Call #1			**1,380.22**
Deposits General Account - Grant Proceeds			**$ -**
Total Deposits (thru 2/21/19)			**$ 1,380.22**

Exhibit C

Kern Groundwater Authority

Treasurer's Report - Accounts Receivable detail as of January 31, 2019

Customer	Description	Invoice #	Invoice Date	Invoice Amount
Buena Vista WSD	Peer Review Ph2-Cash Call #1	2019-01	1/30/2019	2,118.74
Henry Miller WD	Peer Review Ph2-Cash Call #1	2019-02	1/30/2019	1,154.65
Kern River GSA	Peer Review Ph2-Cash Call #1	2019-03	1/30/2019	10,278.35
Olcese WD	Peer Review Ph2-Cash Call #1	2019-04	1/30/2019	225.57
	TOTAL RECEIVABLES - MEMBERS/PARTICIPANTS @ 1/31/19			**$ 13,777.31**

Exhibit D

Kern Groundwater Authority

Treasurer's Report - Grant Detail as of January 31, 2019

Agency	Description	Date of Submittal	Invoice Amount	Amount Received	Date Received	Rem. Balance Due	Retention %
DWR	Prop1-Distress Draw#1	12/21/2017	168,307.80	159,892.41	6/11/2018	8,415.39	5%
DWR	Prop1-Distress Draw#2	3/23/2018	66,692.20	60,022.98	8/22/2018	6,669.22	10%
DWR	ITRC - Draw #1:	8/1/2018					
	General Account		120.00				
	SAA #1		12,500.00				
	SAA #4		18,586.38				
			31,206.38	28,085.74	1/16/2019	3,120.64	10%
DWR	ITRC - Draw #2:	10/31/2018					
	General Account		738.84				
	SAA #1		538.66				
			1,277.50	1,149.75	1/16/2019	127.75	10%
DWR	ITRC - Draw #3:	1/29/2019	-				
	SAA #1		260.44			260.44	
	TOTAL GRANTS OUTSTANDING as of 1/31/19					**18,593.44**	

Exhibit E

Kern Groundwater Authority

Treasurer's Report - Accounts Payable detail as of January 31, 2019

Vendor	Description	Invoice #	Invoice Date	Invoice Amount	
Provost & Pritchard	Prop 1 GSP Grant Admin	71596	1/15/2019	608.00	
	Prop 1 GSP Grant Admin	71911	2/13/2019	445.50	
	Prop 1 ITRC Grant Admin	71595	1/15/2019	18.12	
	Prop 1 ITRC Grant Admin	71910	2/13/2019	925.67	
	Communication & Outreach	71496	1/10/2019	1,062.00	
	SMC Development	71463	1/10/2019	1,279.50	
	Management/Admin & GSP	71876	2/12/2019	28,269.66	
O'Laughlin & Parris, LLP	General Legal Services	8919	12/28/2018	18,801.00	
	General Legal Services	8950	1/31/2019	18,306.00	
Robert M Gailey	Hydrogeologic Consult/GSP	1029	2/1/2019	2,702.50	
GEI Consultants	T.O. #17 - Umbrella	3038301	6/20/2018	23,306.56	
	T.O. #17 - Umbrella	3042485	9/25/2018	2,646.61	
	T.O. #17 - Umbrella	3042889	10/9/2018	9,011.45	
	T.O. #17 - Umbrella	3044298	11/8/2018	8,907.71	
	T.O. #17 - Umbrella	3045704	12/10/2018	4,367.09	
	T.O. #17 - Umbrella	3047200	1/9/2019	1,730.57	
	T.O. #17 - Umbrella	3049470	2/19/2019	5,632.49	
.	T.O. #7 Amendmt3 - Proj Mgmt	3049441	2/19/2019	3,219.41	
Chamber of Commerce	Conference Room	Agreement	2/27/2019	150.00	
		TOTAL REQUESTED FOR PAYMENT		**$ 131,389.84**	
ADDITONAL PAYABLES PENDING FURTHER REVIEW:					
GEI Consultants	T.O. #16-Water Supply	3035829	5/9/2018	1,415.20	PENDING CREDITS
	T.O. #16-Water Supply	3037495	6/8/2018	3,172.00	PENDING CREDITS
	T.O. #16-Water Supply	3038768	7/10/2018	1,366.40	PENDING CREDITS
Provost & Pritchard	SMC Development	71875	2/12/2019	30,835.52	PENDING FURTHER INFO
		TOTAL Invoices on HOLD		**$ 36,789.12**	
		TOTAL PAYABLES @ 1/31/19		**$ 168,178.96**	

Exhibit F

Kern Groundwater Authority
Statement of Net Position
As of January 31, 2019

Assets

Current Assets		
Cash		278,905
Accounts Receivable-Members/Participants		13,777
Accounts Receivable-Grants		18,593
Accounts Receivable-GEI		5,954
Total Current Assets		317,229
Total Assets		**317,229**

Liabilities and Net Position

Current Liabilities		
Accounts Payable		168,179
Accrued Payables		-
Total Current Liabilities		168,179
Net Position		
KGA JPA - #100		
Current Earnings	(35,684)	
Net Position - Prior Year	254,535	218,851
Evapotranspiration Study - SAA 1 - #110		
Current Earnings	(12,660)	
Net Position - Prior Year	3,121	(9,539)
Kern River GSA Groundwater Model - #130-133 (combined)		
Current Earnings	13,777	
Net Position - Prior Year	(21,450)	(7,673)
KGA GSA - SAA 3 - #120		
Current Earnings	-	
Net Position - Prior Year	-	-
KGA GSP - SAA 4 - #140		
Current Earnings	(71,377)	
Net Position - Prior Year	18,789	(52,588)
Total Net Position		149,050
Total Liabilities and Net Position		**317,229**

Exhibit F

Kern Groundwater Authority
Statement of Revenues and Expenses
1 Month Ended January 31, 2019

	Current Month							Year to Date - 2018						
	KGA JPA Dept. 100	ET Study SAA #1 Dept. 110	KRGSA - RMC Peer Review - Ph2 Dept. 133	KRGSA - TODD GW MODELING Dept. 132	KGA GSA SAA #3 Dept. 120	KGA GSP SAA #4 Dept. 140	Combined	KGA JPA Dept. 100	ET Study SAA #1 Dept. 110	KRGSA - RMC Peer Review - Ph2 Dept. 133	KRGSA - TODD GW MODELING Dept. 132	KGA GSA SAA #3 Dept. 120	KGA GSP SAA #4 Dept. 140	Combined
Member Contributions(Refunds)	-	-	13,777	-	-	-	13,777	-	-	13,777	-	-	-	13,777
Grant Revenue (Refunds)	(773)	(11,735)	-	-	-	(16,728)	(29,235)	(773)	(11,735)	-	-	-	(16,728)	(29,235)
Total Revenue	(773)	(11,735)	13,777	-	-	(16,728)	(15,458)	(773)	(11,735)	13,777	-	-	(16,728)	(15,458)
Accounting	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering	3,219	-	-	-	-	21,112	24,331	3,219	-	-	-	-	21,112	24,331
Legal	18,306	-	-	-	-	-	18,306	18,306	-	-	-	-	-	18,306
Office / Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Outside Services	13,386	926	-	-	-	33,538	47,850	13,386	926	-	-	-	33,538	47,850
Total Expenses	34,911	926	-	-	-	54,650	90,487	34,911	926	-	-	-	54,650	90,487
Change in Net Position - Current Earnings	**(35,684)**	**(12,660)**	**13,777**	**-**	**-**	**(71,377)**	**(105,945)**	**(35,684)**	**(12,660)**	**13,777**	**-**	**-**	**(71,377)**	**(105,945)**

Funding Contribution and Participation Percentages for GEI Task Order No 18

Budget= $500,000.00

Activity Agreement Member	Participation Percentage	Initial SSA Budget	Initial Cash Call
Arvin Community Service District			
Arvin-Edison Water Storage District	6.667%	$33,333.33	$16,666.67
Cawelo Wate District	6.667%	$33,333.33	$16,666.67
City of Shafter			
Eastside Water Management Area	6.667%	$33,333.33	$16,666.67
Kern County Water Agency	6.667%	$33,333.33	$16,666.67
Kern-Tulare Water District	6.667%	$33,333.33	$16,666.67
Kern Water Bank Authority	6.667%	$33,333.33	$16,666.67
North Kern Water Storage District	6.667%	$33,333.33	$16,666.67
Rosedale-Rio Bravo Water Storage District	6.667%	$33,333.33	$16,666.67
Semitropic Water Storage District	6.667%	$33,333.33	$16,666.67
Shafter-Wasco Irrigation District	6.667%	$33,333.33	$16,666.67
South San Joaquin Municipal Utilities District	6.667%	$33,333.33	$16,666.67
Tejon Castac Water District	6.667%	$33,333.33	$16,666.67
West Kern Water District	6.667%	$33,333.33	$16,666.67
Westside Water District Water Authority	6.667%	$33,333.33	$16,666.67
Wheeler Ridge-Maricopa Water Storage District	6.667%	$33,333.33	$16,666.67
Totals	100.00%	$500,000.00	$250,000.00

STANDARD PROFESSIONAL SERVICES AGREEMENT
AGREEMENT NO. KGMC-0001

EXHIBIT A
TASK ORDER NO. 17
Amendment 2

Kern Groundwater Authority
Development of KGA Umbrella Elements – Part 1
(Basin Setting, Sustainable Management Criteria, Monitoring Network, and Management Actions and Adaptive Management)

This Amendment to Task Order 17 allows for an extension of the schedule beyond the original termination date of June 30, 2018 to January 31, 2020. Specific changes to deliverables are highlighted and *described* below.

BACKGROUND

This task order will support the development of a following elements of the KGA Umbrella GSP: Basin Setting Section, Sustainable Management Criteria; Monitoring Networks; and Projects, Management Actions and Adaptive Management. The products developed under this scope of work will provide guidance and support to develop of individual KGA member GSP Chapters. Work performed under this task order will also inform the development of subsequent task orders for generating greater detail for these same tasks.

SCOPE OF WORK

Task 1 - Develop Draft Sub-Basin Setting

Based on readily available data, CONSULTANT will prepare a review draft of the Basin Setting Section for inclusion in a KGA Umbrella GSP including the following information at a high-level on a basin-wide level:

- Hydrogeologic Conceptual Model
  - Regional geologic and structural setting
  - Lateral basin boundaries and definable bottom of the basin
  - Identification and description of principal aquifers and aquitards (including formation names, physical properties [vertical and lateral extent, hydraulic conductivity, storativity], structural properties that restrict groundwater flow, general water quality, and primary uses or users, and data gaps)
  - Topographic map

  - Geologic map and at least 2, up to 4, cross-sections
  - Soils map
  - Delineation (map) of recharge and discharge areas
  - Surface water bodies significant to management of the basin

- Groundwater Conditions, including maps/figures below as well as high-level description
  - Groundwater level contour maps ("current" seasonal high and seasonal low for each principal aquifer)
    - Assume that "Chapter"-level efforts will cover the hydrograph requirement [354.16(a)(2)]
  - Groundwater electrical conductance contour maps
  - Electrical conductance cross-sections
  - Map of the location of known groundwater contamination sites and plumes
  - Maps of historical and recent land subsidence
  - Map of interconnected surface water systems
  - Map of groundwater dependent ecosystems

- Description of Existing models in the Sub-basin

- Identified Management Areas, including initial explanation of how management areas can operate under different minimum thresholds and measurable objectives without causing undesirable results in other areas

The review draft will summarize, at a high level, available information on the Kern Sub-Basin. The information will be aggregated at a basin-wide level and will be generally similar in scope with other recent basin-wide efforts in the Kern Sub-Basin, such as the Kern River Watershed Coalition Authority "Groundwater Quality Assessment Report" date 2015 and existing conditions writeups in recent environmental impact reports.

GEI will also engage with representatives from the oil and gas industry to review and collect comments on the Basin Setting Section. GEI will meet with oil and gas representatives to review and collect comments on both the Preliminary Draft and the Revised Draft 1(two meetings). GEI will also present Revised Draft 1 at a Coordination Committee meeting for review and comment. Based on comments received, GEI will provide the following series of draft Basin Setting Sections:

- Preliminary Draft – First draft for review and comment
- Revised Draft 1 – Revision based on first set of comments received by September 14, 2018
- Revised Draft 2 – Revisions based on meetings with Coordination Committee and oil and gas representatives

Note that the final draft will be developed and delivered as part of the final draft KGA GSP, to be contracted separately.

Deliverable

- Technical Memorandum: Draft Basin Setting Section
    - Preliminary Draft: June 8, 2018
    - Revised Draft 1: October 12, 2018
    - Revised Draft 2: December 7, 2018

Task 2 – Develop Additional KGA Umbrella GSP Elements

Consultant will prepare draft sections for the following elements of the Umbrella GSP: Sustainable Management Criteria; Monitoring Networks; and Projects, Management Actions and Adaptive Management. The draft sections will include the following:

- **Sustainable Management Criteria.** The CONSULTANT will initiate development of a placeholder for description of the Sub-Basin's sustainability goal, including how sustainability is likely to be achieved within 20 years; Description of the beneficial uses that will be addressed for each sustainability indicator and basis for developing undesirable results; Description of the analytical approach(es) to developing minimum thresholds, measurable objectives and interim milestones, indicating factors that individual KGA districts would consider in developing those criteria for their own management areas.
  This initial effort will initiate the development of an outline for the Sustainable Management Criteria Framework at the Sub-Basin level and develop a subsequent task order for completion of the effort.
- **Monitoring Networks.** Describe monitoring network objectives, and how existing groundwater level, groundwater quality and subsidence monitoring networks can/will be incorporated into the Sub-Basin monitoring networks. Identify the scientific rationale for monitoring site selection for each sustainability indicator, including the rationale for monitoring network density and frequency. Summarize groundwater monitoring protocols to be used, based on DWR Best Management Practices for Monitoring Networks, KGA Groundwater Elevation Data White Paper and other sources. Describe how it may be demonstrated that certain undesirable results are not present and are not likely to occur within the Sub-Basin so as to waive the requirement to monitor for those sustainability indicators. Describe the process by which representative monitoring sites may be designated, and how it may be demonstrated that significant correlation exists between groundwater elevations and other sustainability indicators for which groundwater elevation may serve as a proxy. Describe how a margin of operational flexibility may be incorporated into measurable objectives.
- ~~**Projects, Management Actions and Adaptive Management.** Describe management actions available to KGA members to reduce groundwater use, including methods to quantify demand reduction actions that may be implemented to mitigate overdraft conditions. Describe how KGA members may develop criteria that would trigger projects and management actions. It is assumed that projects to increase supply, the types and levels of management actions, and the details of the~~

~~adaptive management approach will be developed at the Chapter level and incorporated into the Draft GSP in a separate task.~~

This effort is removed from this task order. Description of Projects, Management Actions, and Adaptive Management will be developed based on information generated by Chapter GSPs and summarized at the Umbrella GSP level.

The review draft will be included in a working Draft GSP for KGA, which will be available for consultation by individual KGA members. The Draft GSP will be updated in late 2018 through one or more separate KGA Task Orders that summarize more detailed information by management areas into a Sub-Basin level summary.

Deliverable

- **Sustainable Management Criteria**
  - Preliminary Draft Outline Sustainable Management Criteria Framework: March 23, 2018
  - Sustainable Management Task Order: March 28, 2018
- **Monitoring Networks**
  - Preliminary Draft: September 14, 2018
  - Final Draft: November 16,2018
- ~~**Projects, Management Actions and Adaptive Management s**~~
  - ~~Preliminary Draft: April 13, 2018 September 14, 2018~~
  - ~~Final Draft: May 11, 2018 November 16, 2018~~

SCHEDULE

Work on this Task Order will begin upon execution by the CLIENT and GEI and continue through *March 31, 2019*.

BUDGET

Time and materials for this Task Order are not to exceed ~~**145,000**~~ **140,000**. The CLIENT shall pay GEI in accordance with Exhibit B of the Professional Services Agreement.

Should GEI anticipate that additional monies or additional time is needed to complete this Task Order, GEI shall notify the CLIENT at least 30 days prior to the depletion of funds or expiration of this Task Order in order to begin an amendment to this Task Order.

AUTHORIZING SIGNATURES

GEI and the CLIENT agree that the services described in this Task Order will be performed in accordance with the terms and conditions of the Professional Services Agreement.

For CLIENT:	**For GEI:**
By: _____	By: _____
(Signature)	(Signature)
_____	_____
(Print Name)	(Print Name)
_____	_____
(Title)	(Title)
_____	_____
(Date)	(Date)

CHAMBER
GREATER BAKERSFIELD
CHAMBER OF COMMERCE

CONFERENCE ROOM
USER AGREEMENT

THIS AGREEMENT by and between the Greater Bakersfield Chamber of Commerce, hereinafter called "The GBCC" and **Kern Groundwater Authority** hereinafter called "The User" WITNESSETH:

1. The GBCC hereby grants the The User the right to occupy the space described below for the purpose hereinafter set forth, subject to the terms and conditions of this agreement:

The Californian Room

Rooms located at 1725 Eye Street

EVENT HOURS: 8:00 a.m. to 12:00 p.m. HOW MANY ATTENDEES +/- 50

DATE: Wednesday, February 27, 2019

PURPOSE: Meeting

2. **A NON-REFUNDABLE fee will be charged for the use of the Conference rooms. Conference Rooms are only available during the Chamber's normal business hours (8:00 a.m. to 5:00 p.m.)**

Californian Room *(up to 70 people classroom style)*

Amenities	**One to four-hours**	**Up to eight hours**
Basic Rental	**$100** members/**$150** non members	$150 members/$250 non members
A/V	**$150** members/**$200** non members	$200 members/$300 non members
A/V & Full Service	**$300** members/**$400** non members	$400 members/$500 non members

Chevron Room *(large table with 12 chairs)*

Amenities	**One to four-hours**	**Up to eight hours**
Basic Rental	$50 members/$75 non members	$75 members/$100 non members
A/V	$75 members/$125 non members	$100 members/$200 non members
A/V & Full Service	$150 members/$250 non members	$200 members/$300 non members

Chairman's Circle Room *(table with 6 chairs)*

Amenities	**One to four-hours**	**Up to eight hours**
Basic Rental	$25 members/$50 non members	$50 members/$100 non members
Teleconference & Full Service	$50 members/$100 non members	$100 members/$200 non members

***Full Service includes** coffee, soda, water and copy services (up to 250 copies)

3. **$ 150.00** PAYMENT DUE WITH SIGNED CONTRACT.

4. The User further agrees to indemnify and hold harmless The GBCC, their officers, agents, and employees from any and all claims, causes of action and suits accruing or resulting from any damages, injury or loss to any person or persons, including all persons to whom The User may be liable under any Workers' Compensation law and The User himself and from any loss, damage, cause of action, claims or suites for damages, including but not limited to loss of property, goods, wares or merchandise, caused by, arising out of or in any way connected with the exercise by The User of the privileges herein granted.

5. It is mutually agreed that this contract or the privileges granted herein, or any part hereof, cannot be assigned or otherwise disposed of without the written consent of The GBCC.

6. It is mutually understood and agreed that no alteration or variation of the terms of this contract shall be valid, unless made in writing and signed by the parties hereto, and that no oral understandings or agreements not incorporated herein and no alterations or variations of the terms hereto, unless made in writing and signed by the parties hereto, shall be binding upon any of the parties hereto.

7. In the event The User fails to comply in any respect with the terms of this agreement and the rules and regulations noted below in paragraphs (a) (b) (c) (d) (e) (f) (g) (h) and (i), all payments for this rental space shall be deemed earned and non-refunded by The GBCC and The GBCC shall have the right to occupy the space in any manner deemed for the best interests of The GBCC.

   (a) Smoking is not permitted in the Chamber facility.
   (b) Use of the GBCC copier or facsimile machine is prohibited ***unless you have booked full service (up to 250 copies).***
   (c) The GBCC will not be responsible for taking phone messages for The User or any other participant(s) using the facility.
   (d) The User is not allowed to use the telephone, except in an emergency situation.
   (e) Alcoholic beverages are not permitted.
   (f) The User may not bring food and/or beverage service into the space described above without prior approval of the GBCC.
   (g) The User is responsible for all reasonable use of The GBCC owned equipment, furniture and related items in the space described above while The User occupies such space, as well as monetary reimbursement for any damage that may result from The User's occupation.
   (h) Room set up is the responsibility of the The User and the room is to be left in a clean and orderly manner. Any furniture used or moved is to be returned to its original space.
   (i) The GBCC is not responsible for providing parking. **The User and/or participants may not use the parking spaces on the west side of the Chamber**. Please use the parking structure located at 18th and Eye Street. Parking is free for 2 hours, $1.00 each additional hour thereafter up to $10.00 daily maximum.

8. This agreement is not binding by The GBCC until it has been duly accepted and signed by its authorized representative.

9. The GBCC retains the right to refuse the use of this facility to anyone.

Method of Payment: Check_____ Visa_____ MasterCard_____ American Express _____

Card # _____ Exp. Date_____ CVC Code_____

Cardholder Name_____

Billing Address_____City/Zip_____

---------- ----------

User Signature and Title **Date**

---------- ----------

GBCC Representative and Title **Date**
Janet Ursery
Executive Assistant, Information Services

CHAMBER
GREATER BAKERSFIELD
CHAMBER OF COMMERCE

CONFERENCE ROOM
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5. It is mutually agreed that this contract or the privileges granted herein, or any part hereof, cannot be assigned or otherwise disposed of without the written consent of The GBCC.

6. It is mutually understood and agreed that no alteration or variation of the terms of this contract shall be valid, unless made in writing and signed by the parties hereto, and that no oral understandings or agreements not incorporated herein and no alterations or variations of the terms hereto, unless made in writing and signed by the parties hereto, shall be binding upon any of the parties hereto.

7. In the event The User fails to comply in any respect with the terms of this agreement and the rules and regulations noted below in paragraphs (a) (b) (c) (d) (e) (f) (g) (h) and (i), all payments for this rental space shall be deemed earned and non-refunded by The GBCC and The GBCC shall have the right to occupy the space in any manner deemed for the best interests of The GBCC.

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Method of Payment: Check_____ Visa_____ MasterCard_____ American Express _____

Card # _____ Exp. Date_____ CVC Code_____

Cardholder Name_____

Billing Address_____City/Zip_____

---------- ----------

User Signature and Title **Date**

---------- ----------

GBCC Representative and Title **Date**
Janet Ursery
Executive Assistant, Information Services

KERN GROUNDWATER AUTHORITY

Memorandum

To: Kern Groundwater Authority Board of Directors

From: Terry Erlewine, Basin Coordinator/Patty Poire, Planning Manager

Date: February 27, 2019

Subject: Accomplishments and Forward Work Plan

Accomplishments

- Continued to hold manager/GSAs meetings – current discussion is the setting of minimum thresholds and consider setting a range for a native safe yield
- Began the discussion with the managers/GSA on the definition for "managed monitoring area"
- Monitoring Networks for GSP draft released to managers for comments
- Conference call on the Coordination Agreement
- Held the Policy Coordination meeting with all the GSAs developing GSPs
- Reviewed the second draft of the Basin Setting and submitted comments to the managers for them to consider/comment to
- Held Stakeholder meeting – presentation/discussion on setting minimum thresholds
- Attended Shafter/Wasco Irrigation District workshop
- Kick-off meeting with DWR on the Prop 1 Grant Program

Forward Work Plan

- Work with KRGSA and KGA Counsel on the sub-agreement for the administration work on the Prop 1 Grant
- Work with KRGSA to complete Lamont boundary adjustment to include in the KRGSA
- Begin the second phase of the water modeling with Todd Groundwater – Projected Baseline development, climate change baseline development and projected future sustainability assessment
- Continue work with interested stakeholders in non-districted areas
- Work with KGA members and other GSAs on boundary adjustments to accommodate non-districted landowners
- Work with KGA members and GSAs to provide future water supply information for the second phase of water modeling requirements for the GSPs
- Work with individual KGA members on their development of Sustainable Management Criteria including minimum thresholds

130 N. Garden Street
Visalia, CA 93291-6362
Tel: (559) 636-1166
Fax: (559) 636-1177
www.ppeng.com

Memorandum

To:	Kern Groundwater Authority Board of Directors
From:	Trilby Barton, Public Outreach Coordinator, Provost & Pritchard Consulting Group
Subject:	Ag-Focused Stakeholder Survey Results – Monthly Progress Report
Date:	February 22, 2019

Hard copies and the link to the online version of the Kern Groundwater Authority's Ag-Focused Stakeholder Survey are being circulated throughout Kern County. The survey has been distributed by member districts and is available online at www.kerngwa.com. **To date, Kern Groundwater Authority has received 30 responses**. This memo summarizes the responses received to date.

Progress Report of Kern Groundwater Authority Stakeholder Survey Results

1. Please indicate which irrigation/water district in which you have land.

(30 responses, multiple answers per respondent)

District Name	Number of Responses	District Name	Number of Responses
Arvin Edison Community Services District	0	Rosedale-Rio Bravo Water Storage District	5
Arvin-Edison Water Storage District	6	Semitropic Water Storage District	6
Cawelo Water District	2	Shafter-Wasco Irrigation District	6
City of Shafter	0	Southern San Joaquin Municipal Utility District	19
County of Kern	3	Tejon-Castaic Water District	0
Kern County Water Agency	2	West Kern Water District	2
Kern-Tulare Water District	2	Westside District Water Authority	1
Kern Water Bank Authority	1	Wheeler Ridge-Maricopa Water Storage District	2
North Kern Water Storage District	6		

2. How many total acres do you farm (all land owned, leased and/or managed)?

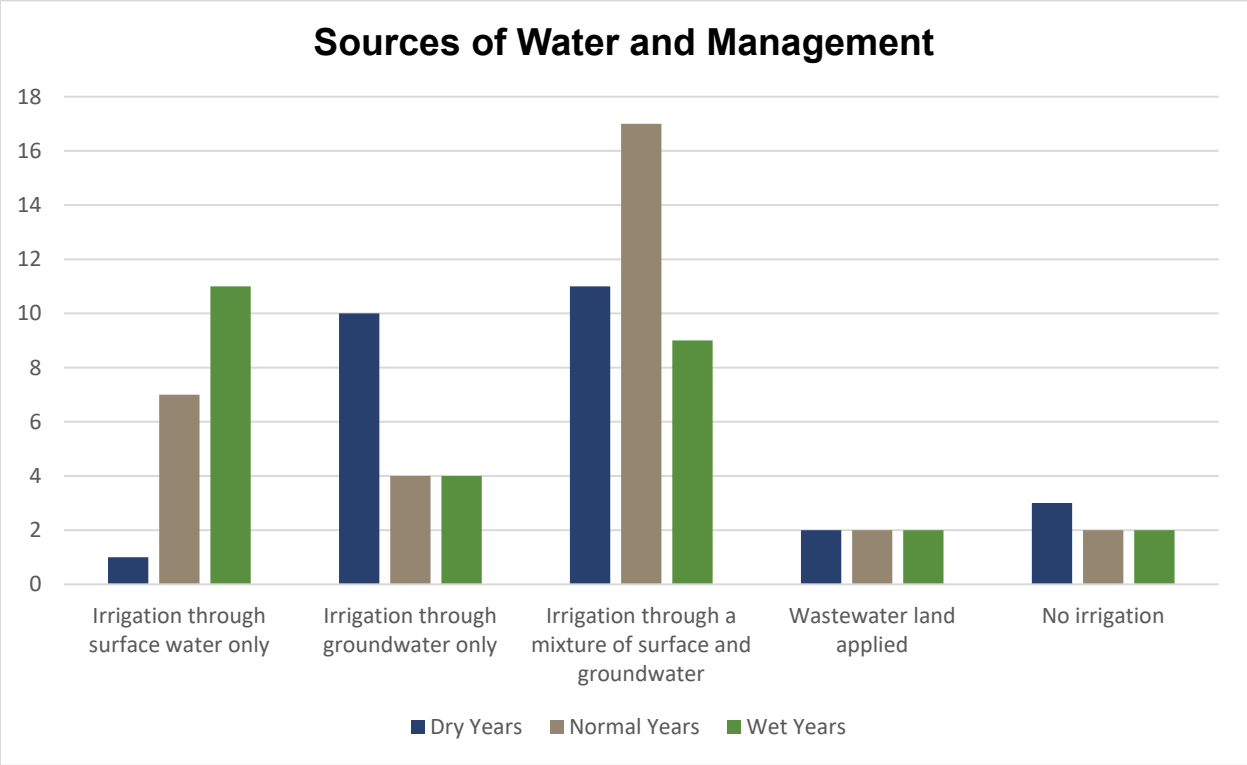
(22 responses)

Total Acres Farmed	Total Acres Farmed
20	1,160
35	1,200
40	1,250
100	1,722
155	2,630
160	3,500
257	5,000
467	6,000
600	15,000
770	29,000
1,000	

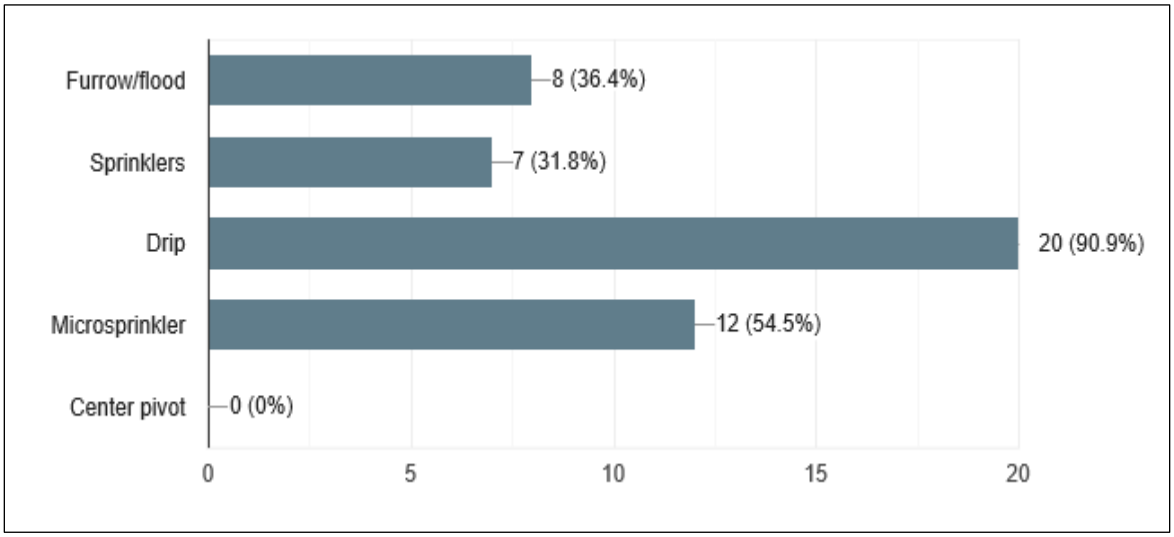
3. In a typical year, how much of the following crops, animals or land do you manage/own?

Crop or Land Type	Acres Managed or Owned	Crop or Land Type	Acres Managed or Owned
Fruit trees	Ranges from 5-6,000 acres *(9 responses)*	Hay/alfalfa	Ranges from 20-1,000 acres *(3 responses)*
Nut trees	Ranges from 20-15,000 acres *(18 responses)*	Livestock on pasture/rangeland	Ranges from 600-17,000 acres *(2 responses)*
Row crops	Ranges from 180-3,000 acres *(4 responses)*	Dairy (total head)	*0 responses*
Seed crops	*0 responses*	Food Processor/Production	*0 responses*
Vegetables	1,500 acres *(1 response)*	Other land use (please indicate):	Fallow 20 acres; fallow 681 acres *(2 responses)*
Grain	Ranges from 250-2,000 acres *(4 responses)*		
Grapes	Ranges from 250-1,500 acres *(5 responses)*		

4. Which of the following sources of water and management do you typically utilize under the following conditions?



5. If you do use irrigation, which of the following methods of delivery do you use? Check all that apply. *(22 responses)*



6. In response to water scarcity, please indicate if you currently use the following practices and your likelihood to use the following practices in the future. *(Table lists number of responses.)*

Practice	Currently Use	Future Use					
		Very Unlikely	Unlikely	Somewhat Unlikely	Somewhat Likely	Likely	Very Likely
Drill more wells	2	2	5	2	4	2	2
Restore existing wells	6	3	2	1	4	2	4
Make existing wells deeper	2	6	4	4	4	1	1
Pump more groundwater than previous years	4	2	5	1	2	1	4
Drip irrigation	12	2	1	1	3	3	5
Water monitoring technology	10	2	1	2	2	1	7
Fallow fields	2	4	6	1	2	4	0
Soil moisture sensors	11	1	1	1	4	1	5
Change to a less water intensive crop	2	9	3	3	2	2	0
Reduce livestock stocking rates	1	3	3	0	1	0	1
Leaf sampling to measure plant-water status	6	1	2	1	6	3	4
Purchase additional water	5	2	3	2	4	4	4
Purchase crop insurance	9	1	1	2	3	4	4
Other: *(4 responses)*	Bank water and purchase water credits; Vacant land for sale; Bank water; Groundwater recharge						

7. **Please rate the level of importance these potential groundwater conditions are to you** *(with "1" being the most concerning, 5 being the least concerning).* **If you have additional concerns, please indicate them in the "Other" category.** *(Table lists number of responses.)*

Groundwater Condition	Rating of Concern *(1 most concerning, 5 least concerning)*				
	1	2	3	4	5
Lowering of groundwater levels	13	12	1	2	0
Reduction in groundwater storage	11	8	6	0	3
Water quality degradation	7	7	6	4	2
Local subsidence	5	6	7	3	6
Depletions of surface water	20	3	3	0	2
Other *(your opinion)*: There is no potable water under the surface of our land in the white area. We do not have any wells, or use any groundwater, but have been included in the basin anyway. The drinking water for our livestock comes from springs located in the mountains outside of the basin. It is all politics!!!!! California has plenty of water, use common sense!!					

8. The following are a list of management options that have been used on the West Coast for water management. Please provide your level of preference for these types of management: *(Table lists number of responses.)*

Management Option	Strongly Against	Against	Somewhat Against	Somewhat Support	Support	Strongly Support	Not Familiar
Individual recharge credits (i.e. winter flooding)	2	1	0	1	7	12	2
Water metering	9	3	2	6	4	2	1
Water trading through markets	4	4	1	1	4	12	1
Public program highlighting farmers implementing water saving practices	2	0	2	3	9	10	0
Farmer adoption of water management practices	2	1	1	2	7	14	0
District investment in conjunctive use infrastructure (i.e. water storage)	3	0	0	0	1	21	1
Groundwater replenishment fees	6	2	6	4	3	3	3
Fixed quota for water pumping allocated to each farmer	13	2	5	2	3	1	0
Incentives for water saving practices	2	1	0	8	4	10	1
Moratorium on drilling new wells	10	5	6	3	2	0	1
Permits for drilling new wells	1	3	3	5	9	5	1
Other *(your opinion)*:	None						

9. If groundwater monitoring is required in the future, which of the following monitoring methods would you prefer? *(Table lists number of responses.)*

Method of Determining Water Allocation	Strongly Not Preferred	Not Preferred	Somewhat Not Preferred	Somewhat Preferred	Preferred	Strongly Preferred
Well metering	5	6	4	4	7	1
Use satellite estimates and ground truth	4	5	8	4	3	2
Use standard crop water requirement indexes	4	6	7	5	3	1

10. Should disputes arise over SGMA implementation, what is your preferred means of reconciliation? *(Table lists number of responses.)*

Dispute Option	Strongly Not Preferred	Not Preferred	Somewhat Not Preferred	Somewhat Preferred	Preferred	Strongly Preferred
State Water Resources Control Board	12	4	3	3	0	0
Groundwater Sustainability Agency	5	0	3	5	6	4
County Board of Supervisors	10	2	3	3	4	1
Superior Court System	11	7	1	0	1	1
Arbitration						
Other: *(1 response)*	I want the state to delete our land from the basin boundary, then I will not have any dispute to reconcile.					

11. If you have any additional information or feedback regarding SGMA, water management or farming in Kern County that should be taken into consideration while developing the Groundwater Sustainability Plan (GSP), please provide the information below: *(6 responses)*

Allow water banking where it is easiest conveyed and allow those groundwater banking credits to be used in the basin where it is need. If a white area landowner is able to purchase water and can bank it in Arvin or Lost Hills allow this to happen vs spending hundreds of thousands of dollars to convey that water to the particular area where is will be pumped out of. Use the Kern River as a water bank and who ever leaves the water in the river gets the credit for their district no matter where is actually is recharged too. It's one Basin. Why spend millions building additional water banks and conveyance systems when you have the best recharge ground and conveyance system already in place. In addition, think how beautiful our city could be if we had water running though the river more often. WORK TOGETHER for solutions that is best for the basin and allow those benefits to be spread across to all the districts who contribute to the solution.

Important that market is established that allows for creation of an asset (water pumping credit) that can be traded in open market. This would (hopefully) cause water to be used for highest and best use and still allow for flexibility we need in industrial agriculture.

Need ground water

No new water storage has been constructed in over 30 years. Now we will be told how much we can pump. It would of great advantage for our future if we had enough water storage to farm our crop during tough years. Legal issues are greatly reducing our surface water! We make payments on our ground and we need to farm every inch of it. We can't be cut short because of a lack of water. Build a storage so we can save ground water!

Pretty well explained above, we do not have any wells within the basin boundary, do not use any groundwater, do not have any farming and do not want to be included in any of the water wars.

We should have an aggressive program promoting groundwater recharge wherever and whenever possible.

Patricia Poire

From: Michael Roberts <mdroberts@umass.edu>
Sent: Thursday, January 31, 2019 7:59 AM
To: Patricia Poire
Subject: SGMA Research

Hello Patty,

I hope this email finds you well. I'm a researcher, studying the development of GSPs under SGMA and was referred to you by Terry Erlewine. I am writing to ask if you would be willing to talk with me about the experiences of the Kern Groundwater Authority in preparing a Groundwater Sustainability Plan in Kern County. Specifically, I am hoping to learn about the approaches your GSA (and other GSAs located in critically over-drafted basins) are using to a) set groundwater sustainability goals and objectives and b) coordinate plan development with other GSAs.

I attended your last board meeting and look forward to learning more! If you are willing to participate in this research, you can choose whether you would like to talk in person or as a video conference. If in person, I will meet you at a time and location that is convenient for you. I will be in the area for another week and a half and ideally could schedule an interview with you during that time.

A bit more about me: I am part of a team of researchers from the University of Massachusetts (UMass), Indiana University - Purdue University Indianapolis (IUPUI), and Stanford University that is studying coordination in groundwater sustainability planning. We are not policy advocates, yet we expect this research will be of use to other GSAs throughout California as well as to groundwater agencies in other states that need to coordinate management of shared groundwater resources. For more information, please see our project website.

Please feel free to email me or call if you have any questions. I know your time is limited and that the demands of managing the plan for KGA are high! I appreciate any time you can give to me.

Best,

Michael Roberts, University of Massachusetts Amherst

On behalf of the full research team

Prof Anita Milman, University of Massachusetts Amherst
Prof Bill Blomquist, Indiana University - Purdue University Indianapolis
Tara Moran, Stanford University

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