KERN GROUNDWATER AUTHORITY

Regular Meeting of Board of Directors
June 26, 2019, 8:00 a.m.
Klein, DeNatale, Goldner Law Offices
4550 California Ave, 2nd Floor

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. May 22, 2019 Regular Board Meeting Minutes*

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

5. Basin Coordinator/Planning Manager Report
a. Second Cash Call – Todd Modeling Second Phase*
b. AB 1755 – Presentation by Eric Averett
c. Kern GSAs Coordination Meeting
d. Presentation of GSP schedule - GEI
e. Accomplishments
f. Forward Work Plan

- Denotes Action Item

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. Friant Water Authority

8. Attorney(s) Report

9. 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, May 22, 2019

JPA DISTRICT REPRESENTATIVES AND ALTERNATES PRESENT

Bob Rodriguez, Arvin Community Services District
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
Jason Selvidge, Rosedale-Rio Bravo WSD
Rick Wegis, Semitropic WSD
Jim Regan, SSJMUD
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

Chad Givens, City of Shafter
Andrew Pandol, Kern-Tulare WD
Kevin Andrew, North Kern Water Storage District

OTHERS PRESENT

Alan Peake, Arvin Community Services District
Raul Barraza Jr, Arvin Community Services District
Jeevan Muhar, Arvin-Edison WSD
Dan Raytis, Belden Blaine Raytis, LLP
Doug Gosling, Braun Gosling
Brad DeBranch, Bolthouse Properties
Dave Ansolabehere, Cawelo WD
Dave Hampton, Cawelo WD
Michael James, City of Shafter
Jim Beck, Eastside Water Management Area
Larry Rodriguez, GEI Consultants
Max Bricker, Henry Miller
Florn Core, Kern County Administration Office
Marty Milobar, Kern County Water Agency
Gene Lundquist, KCWA ID4
Dave Beard, KCWA ID4
Mark Mulkay, Kern Delta WD
Rich Tillema, Kern Delta WD
Kevin Antongiovanni, Kern Delta WD

Steve Dalke, Kern-Tulare WD
Robert Kuhs, Kuhs Parker Law
Dick Diamond, North Kern WSD
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
Patty Poire, Kern Groundwater Authority
Jason Gianquinto, Semitropic WSD
Bret Sill, Sill Properties
Greg Hammett, West Kern WD
Sunny Kapoor, West Kern WD
Wendy Rosenberger, West Kern WD
Kris Lawrence, Westside District Water Authority
George Capello, Wheeler Ridge-Maricopa WSD
Sheridan Nicholas, Wheeler Ridge-Maricopa WSD
Alan Doud, Young Wooldridge
Tim Gobler, Wonderful Orchards
Don Wright
Craig Lynch, Lynch & Lynch, LLP
Matt Feaver, Agricare
Janie Moehnve, Chevron
Jasmene del Agnila - LCJA
Stacie Ann Silva
Amanda Monaco

1. **Call to Order** – Chairman Mullins called the meeting to order at 8:02 a.m. after it was confirmed there was a quorum. The Board met the threshold for a quorum under the JPA and operated under it.

2. **Public Comments** – Don Wright informed the Board of up an coming SGMA event in Exeter.

3. **Approval of Minutes**
    a. April 24, 2019 Regular Board Meeting Minutes
    A motion was made by Director Taube and seconded by Director Regan to approve the April 24, 2019 Regular Board Meeting Minutes. 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 April 1, 2019 through April 30, 2019. Exhibit A of the Treasurer's Report showed the beginning cash balance of $250,674.72. Deposits for the month of April, in the amount of $83,567.75. Disbursements for the month of April totaled $53,335.12. The ending cash balance as of April 30, 2019

was $280,907.35. Exhibit B reflects cash received and deposited from May 1, 2019 through May 16, 2019 totaling $35,380.92. Accounts receivable totaling $141,523.69 are summarized in Exhibit C. Exhibit D reflects accounts receivable from grants totaling $18,359.04. Accounts payable as of April 30, 2019 are detailed in Exhibit E, payables totaling $116,763.31. Requested amount for payment approval was $110,809.71 with invoices totaling $5,953.60 to remain on hold pending further review. A motion to approve the treasurer's report and payables was made by Director Wegis and seconded by Director Pascoe. The motion was unanimously carried.

5. **Basin Coordinator/ Planning Manager Report**
    a. **GSA Boundary Adjustment – Cawelo and KRGSA** – Ms. Poire presented the proposed GSA boundary adjustment requested by Cawelo to accommodate the additional non-districted lands to be included in the Cawelo chapter to the Board for approval. A motion was made to approve the GSA Boundary Adjustment by Director Selvidge and seconded by Director Pascoe. The motion was unanimously carried.
    b. **Prop 1 Grant Sub-agreement with KRGSA** – Ms. Poire presented the proposed Prop 1 Grant sub-agreement with KRGSA to the Board for approval. A motion was made to approve the Prop 1 Grant sub-agreement by Director Wegis and seconded by Director Rodriguez. The motion was unanimously carried.
    c. **Kern GSAs Coordination Meeting – DWR & State** – Ms. Poire reported that the Open House was a success and that there were many positive comments received including a comment by DWR that they were impressed by the information presented. Kern GSA Coordination Committee met with DWR and the State Water Board representatives. DWR commented regarding the GSPs and that the GSPs will be reviewed on the entirety of the basin and will be as strong as our weakest link. State board representatives provided insights and direction concerning non-districted lands and how the State will review submitted data.
    d. **Oil Advisor John Ocana – discussion on meeting with DWR & State** – Ms. Poire reported that the State Water Board confirmed at a meeting with the Oil Industry that the State considers extraction of oil and water as extraction of groundwater and thus will be required to report under SGMA regulations if the basin should go into probation Several district managers who also attended the meeting confirmed the State Water Board's position.
    e. **Presentation of GSP schedule - GEI** – Ms. Poire updated the Board on the minimum threshold and measurable objectives. Ms. Poire remined everyone to be sure to stay on schedule. Mr. Rodriguez reviewed the map and timeline for submittals. Mr. Rodriquez reported that the chapter GSPs received have been reviewed. Revisions are due by to GEI by June 7th.
    f. **Accomplishments** – Ms. Poire referred to the write-up in the board package.

g. **Forward Work Plan** – Ms. Poire referred to the write-up in the board package. Ms. Poire reported that the Manager/GSA meetings are continuing to be held every Friday and the coordination of the GSP is moving forward.

6. **New Business** – None

7. **Correspondence** – None

8. **Attorney Report** – Ms. Kincaid presented final contracts to the Board for discussion and approval.
    a. Coordination Agreement – Cawelo, McFarland and Greenfield representatives of GSA's that are not doing GSPs requested that they be allowed to sign the Coordination Agreement knowing that they would not be able to participate in the Coordination Committee activities. A motion was made to include the request by the other GSA representatives. A motion to approve the Coordination Agreement and allow GSAs not preparing GSPs to sign was made by Director Taube and seconded by Director Selvidge. The motion was unanimously carried.
    b. Indemnification Agreement Between KGA and KCWA – A motion was made to approve the Indemnification Agreement between KGA and KCWA by Director Wegis and seconded by Director Fast. The motion was unanimously carried.
    c. Second Amended KGA JPA – A motion to circulate for execution the amended KGA JPA Agreement was made by Director Selvidge and seconded by Director Goff. The motion was unanimously carried.

9. Closed Session
    a. Conference with Legal Counsel – Potential Litigation: Action was approved by the Board to notify the undistricted white area landowners of their opportunity to contract with a nearby member district.

10. **Adjournment** – 9:40 a.m.

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
Telephone: 661-393-2696
Facsimile: 661-393-6884

33380 Cawelo Avenue
Bakersfield, CA 93308-9575
Water Orders and Operations
Telephone: 661-393-3361
www.northkernwsd.com

NORTH KERN WATER STORAGE DISTRICT

June 26, 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 $148,207.93 as detailed in **Exhibit E.** (Note that total outstanding payables are $226,168.50, the difference of $77,960.57 is not requested for payment at this time due to pending items as noted in Exhibit E).

DISCUSSION

Exhibit A is the Treasurer's Report for the Authority's financial activities from May 1, 2019 through May 31, 2019. Cash deposits for the month were $90,565.48 from the Woodard & Curran Peer Review and Todd Groundwater cash calls. After disbursement of expenses totaling $110,809.71, the cash balance at May 31, 2019 was $260,663.12. **Exhibit B** reflects the status of cash receipts and deposits from June 1 through June 20, 2019 which totals $33,267.75.

Exhibit C reflects Accounts Receivable balance from Members at May 31, 2019 which totals $50,958.21 from the Woodard & Curran Peer Review and Todd Groundwater cash calls. After offsetting cash collections received through June 20th as per **Exhibit B**, current outstanding balances from Members total $17,690.46. Receivable from Grants increased to $767,580.04 as detailed in **Exhibit D** after recording the first reimbursement request for the Prop1 SGMA grant in May 2019. There is also a receivable balance from GEI in the amount of $1,387.69 for refunds. Overall, total Accounts Receivable at May 31, 2019 was $819,925.94.

Exhibit E is the detail of Accounts Payable as of May 31, 2019. Outstanding payables total $226,168.50, however, the amount being requested for payment approval at this time is $148,207.93. Invoices totaling $77,960.57 are on hold pending further review by Planning Manager. In addition, accrued expenses of $10,500 has been recorded as additional payables for the 2018 audit fee.

Exhibit F is the Authority's unaudited financial statements at May 31, 2019. They include a Statement of Net Position as of May 31, 2019 and a Statement of Revenues and Expenses for the four months ended May 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 May 31, 2019

CURRENT ACTIVITY

Cash Balance, Prior Report (April 30, 2019) 280,907.35

Deposits	Date	Purpose	Amount
Arvin Community Services District	5/7/2019	WC-Peer Review2	2,113.17
Southern San Joaquin Municipal U.D.	5/16/2019	WC-Peer Review2	2,113.17
Cawelo WD	5/16/2019	WC-Peer Review2	2,113.17
Kern Water Bank Authority	5/16/2019	WC-Peer Review2	2,113.17
Rosedale-Rio Bravo WSD	5/21/2019	WC-Peer Review2	2,113.17
West Kern WSD	5/21/2019	WC-Peer Review2	2,113.17
Arvin-Edison WSD	5/21/2019	WC-Peer Review2	2,113.17
Wheeler Ridge-Maricopa WSD	5/21/2019	WC-Peer Review2	2,113.17
Semitropic WSD	5/21/2019	WC-Peer Review2	2,113.17
Kern-Tulare WD	5/21/2019	WC-Peer Review2	2,113.17
North Kern WSD	5/24/2019	WC-Peer Review2	2,113.14
Arvin Community Services District	5/7/2019	Todd GW	6,732.06
Southern San Joaquin Municipal U.D.	5/16/2019	Todd GW	6,732.06
Cawelo WD	5/16/2019	Todd GW	6,732.06
Kern Water Bank Authority	5/16/2019	Todd GW	6,732.06
Rosedale-Rio Bravo WSD	5/21/2019	Todd GW	6,732.06
West Kern WSD	5/21/2019	Todd GW	6,732.06
Arvin-Edison WSD	5/21/2019	Todd GW	6,732.06
Wheeler Ridge-Maricopa WSD	5/21/2019	Todd GW	6,732.06
Semitropic WSD	5/21/2019	Todd GW	6,732.06
North Kern WSD	5/24/2019	Todd GW	6,732.10

Total Deposits from Cash Calls 90,565.48

Disbursements	Date	Ck #	Amount
Greater Bak Chamber of Commerce	5/22/19	1645	150.00
Great America Networks Conferencing	5/24/19	1646	102.99
GEI Consultants	5/24/19	1647	53,566.38
O'Laughlin & Parris, LLP	5/24/19	1648	8,120.00
Provost & Pritchard	5/24/19	1649	22,757.03
Woodard & Curran	5/24/19	1650	26,113.31

110,809.71

Cash Balance, Current Report (May 31, 2019) 260,663.12

Accounts Receivable

See Attached Receivables from Members/Participants (Exhibit C)		50,958.21
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 - 10% retention Req #1	3,120.64	
ITRC Grant - 10% retention Req #2	127.75	
ITRC Grant - 10% retention Req #3	26.04	
ITRC Grant - Req #4	185.94	
Prop 1 SGMA Grant - Req #1	749,035.06	
Grant Receivable - see Exhibit D		767,580.04
Misc Receivables - GEI credit invoice		1,387.69
		819,925.94

Accounts Payable

See Attached A/P Detail (Exhibit E)	226,168.50
Accrued Payables - 2018 audit fee (Barbich)	10,500.00

Net Assets, May 31, 2019 **843,920.56**

Exhibit B

Kern Groundwater Authority
Treasurer's Report - Deposits through June 20, 2019

Cash Call Deposits - June 1 - June 20, 2019	Dep Date	Amount	
Tejon Castac WD	6/3/2019	2,113.17	
Westside Water District Authority	6/12/2019	2,113.17	
Shafter-Wasco Irrigation District	6/19/2019	2,113.17	
Deposits Woodard &Curran Peer Review Ph2 - Cash Call #2			**6,339.51**
Tejon Castac WD	6/3/2019	6,732.06	
Westside Water District Authority	6/12/2019	6,732.06	
Kern-Tulare WD	6/19/2019	6,732.06	
Shafter-Wasco Irrigation District	6/19/2019	6,732.06	
Deposit Todd Groundwater - Cash Call #1			**$ 26,928.24**
Total Deposits (thru 6/20/19)			**$ 33,267.75**

Exhibit C

Kern Groundwater Authority

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

Customer	Description	Invoice #	Invoice Date	Invoice Amount	
Eastside Water MA	Todd GW Modeling	2019-23	4/26/2019	2,113.17	
Eastside Water MA	Peer Review Ph2	2019-39	4/26/2019	6,732.06	
KCWA	Todd GW Modeling	2019-24	4/26/2019	2,113.17	
KCWA	Peer Review Ph2	2019-40	4/26/2019	6,732.06	
Kern-Tulare WD	Peer Review Ph2	2019-41	4/26/2019	6,732.06	rec'd 6/19
Shafter-Wasco ID	Todd GW Modeling	2019-30	4/26/2019	2,113.17	rec'd 6/19
Shafter-Wasco ID	Peer Review Ph2	2019-46	4/26/2019	6,732.06	rec'd 6/19
Tejon Castac WD	Todd GW Modeling	2019-32	4/26/2019	2,113.17	rec'd 6/19
Tejon Castac WD	Peer Review Ph2	2019-48	4/26/2019	6,732.06	rec'd 6/19
Westside Water DA	Todd GW Modeling	2019-34	4/26/2019	2,113.17	rec'd 6/19
Westside Water DA	Peer Review Ph2	2019-50	4/26/2019	6,732.06	rec'd 6/19
	TOTAL RECEIVABLES - MEMBERS/PARTICIPANTS @ 5/31/19			**$ 50,958.21**	

Exhibit D

Kern Groundwater Authority

Treasurer's Report - Grant Detail as of May 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#3	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	234.40	4/9/2019	26.04	10%
DWR	ITRC - Draw #4:						
	SAA #1	4/30/2019	185.94			185.94	
DWR	Prop1-SGMA Draw#1	5/31/2019					
#132	Component #2-Todd GW		295,193.73			295,193.73	
#131,133,Gen	Component #3-W.C.+Admin		91,977.25			91,977.25	
#140	Component #4		198,301.68			198,301.68	
#140	Component #5		163,562.40			163,562.40	
			749,035.06				
		Total Billed:	1,016,965.32				
	TOTAL GRANTS OUTSTANDING as of 5/31/19					**767,580.04**	

Exhibit E

Kern Groundwater Authority

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

Vendor	Description	Invoice #	Invoice Date	Invoice Amount	
Provost & Pritchard	Prop 1 GSP Grant Admin	73380	5/20/2019	297.00	
	Prop 1 Wtr Use/Eff Grant Admin	73415	5/21/2019	1,122.00	
	Management/Admin & GSP	73677	6/12/2019	21,444.79	
O'Laughlin & Parris, LLP	General Legal Services	9098	5/30/2019	17,500.00	
GAN Conferencing	Meeting Conferencing-May19	39908	6/1/2019	129.14	
City of Bakersfield	Todd GW Modeling #2	6.05.19	6/5/2019	107,715.00	
		TOTAL REQUESTED FOR PAYMENT		**$ 148,207.93**	
ADDITONAL PAYABLES PENDING FURTHER REVIEW:					
GEI Consultants	T.O. #16-Water Supply	3035829	5/9/2018	1,415.20	
	Invoice Credit to KGA	3053317	5/18/2019	(1,415.20)	
	T.O. #16-Water Supply	3037495	6/8/2018	3,172.00	
	Invoice Credit to KGA	3053317	5/18/2019	(3,172.00)	
	T.O. #16-Water Supply	3038768	7/10/2018	1,366.40	
	Invoice Credit to KGA	3053317	5/18/2019	(1,366.40)	
GEI Consultants	T.O. #18 - GSP	3054068	6/11/2019	73,828.18	Further review
	T.O. #7 Amend#3 - Proj Mgmt	3054013	6/10/2019	4,132.39	Further review
		TOTAL Invoices on HOLD		**$ 77,960.57**	
		TOTAL PAYABLES @ 5/31/19		**$ 226,168.50**	

Exhibit F

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

Assets

Current Assets		
Cash		260,663
Accounts Receivable-Members/Participants		50,958
Accounts Receivable-Grants		767,580
Accounts Receivable-GEI		1,388
Total Current Assets		1,080,589
Total Assets		**1,080,589**

Liabilities and Net Position

Current Liabilities		
Accounts Payable		226,169
Accrued Payables		10,500
Total Current Liabilities		236,669
Net Position		
KGA JPA - #100		
Current Earnings	32,418	
Net Position - Prior Year	254,535	
Prior Year Adjmt-accrual of Barbich 2018 audit fee	(10,500)	
Reclassify RMC Woodard Curran Subtask 1.1	(27,553)	
Reclassify Self Help Enterp Outreach Workshop	(5,000)	
Adjust OLP YE accrual for Coord Agmt costs to SAA#4	1,982	
Accrue Prop1 SGMA Grant Draw#1	78,820	324,701
Evapotranspiration Study - SAA 1 - #110		
Current Earnings	(13,597)	
Net Position - Prior Year	3,121	(10,476)
Kern River GSA Groundwater Model - #130-133 (combined)		
Current Earnings	21,473	
Net Position - Prior Year	(21,450)	
Accrue Prop1 SGMA Grant Draw#1	350,110	350,132
KGA GSA - SAA 3 - #120		
Current Earnings	-	
Net Position - Prior Year	-	-
KGA GSP - SAA 4 - #140		
Current Earnings	(95,950)	
Net Position - Prior Year	18,789	
Reclassify RMC Woodard Curran Subtask 1.1 exp to General	27,553	
Reclassify Self Help Enterp Outreach Workshop to General	5,000	
Accrue OLP YE invoice related to Coord Agmt costs	(1,982)	
Accrue Prop1 SGMA Grant Draw#1	226,153	179,563
Total Net Position		843,921
Total Liabilities and Net Position		**1,080,589**

Exhibit F

Kern Groundwater Authority
Statement of Revenues and Expenses
5 Months Ended May 31, 2019

	Current Month								Year to Date - 2019							
	KGA JPA Dept. 100	ET Study SAA #1 Dept. 110	Phase 1 - RMC Peer Review - Dept. 131	Phase 2 - RMC Peer Review - Dept. 133	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	Phase 1 - RMC Peer Review - Dept. 131	Phase 2 - RMC Peer Review - Dept. 133	TODD GW MODELING Dept. 132	KGA GSA SAA #3 Dept. 120	KGA GSP SAA #4 Dept. 140	Combined
Member Contributions(Refunds)	-	-	-	-	-	-	-	-	250,000	-	-	47,588	107,713	-	-	405,301
Grant Revenue (Refunds)	47,141	186	-	-	-	-	46,812	94,139	46,368	(11,549)	-	-	-	-	30,085	64,903
Total Revenue	47,141	186	-	-	-	-	46,812	94,139	296,368	(11,549)	-	47,588	107,713	-	30,085	470,204
Accounting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Engineering	77,961	-	-	-	-	-	(1,388)	76,573	120,760	-	-	-	-	-	46,357	167,117
Reclassify costs-Engineering	-	-	-	-	-	-	-	-	23,267	-	-	-	-	-	(23,267)	-
Legal	17,500	-	-	-	-	-	-	17,500	80,581	-	-	-	-	-	1,680	82,261
Reclassify costs-Legal	-	-	-	-	-	-	-	-	(15,210)	-	-	-	-	-	15,210	-
Office Supplies / Bank	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Outside Services	7,815	1,122	-	-	107,715	-	14,056	130,708	54,551	2,048	-	-	133,828	-	86,056	276,483
Total Expenses	103,276	1,122	-	-	107,715	-	12,668	224,781	263,950	2,048	-	-	133,828	-	126,035	525,861
Change in Net Position - Current Earnings	(56,135)	(936)	-	-	(107,715)	-	34,144	(130,642)	32,418	(13,597)	-	47,588	(26,115)	-	(95,950)	(55,656)

Funding Contribution and Participation Percentages
for TODD Groundwater Modeling
KGA Portion Only

Total Amount:	**$218,768.00**	
Initial Cash Call:	$107,713.00	Tasks 1-4
Second Cash Call:	$111,055.00	Tasks 5-8

Activity Agreement Member		Total Amount	Initial Cash Call Tasks 1-4	Second Cash Call Tasks 5-8
Arvin Community Services District		6.25%	$6,732.06	$6,940.94
Arvin-Edison Water Storage District		6.25%	$6,732.06	$6,940.94
Cawelo Water District		6.25%	$6,732.06	$6,940.94
Eastside Water Management Area		6.25%	$6,732.06	$6,940.94
Kern County Water Agency		6.25%	$6,732.06	$6,940.94
Kern-Tulare Water District		6.25%	$6,732.06	$6,940.94
Kern Water Bank Authority		6.25%	$6,732.06	$6,940.94
North Kern Water Storage District		6.25%	$6,732.06	$6,940.94
Rosedale-Rio Bravo Water District		6.25%	$6,732.06	$6,940.94
Semitropic Water Storage District		6.25%	$6,732.06	$6,940.94
Shafter-Wasco Irrigation District		6.25%	$6,732.06	$6,940.94
South San Joaquin Municipal Utilities District		6.25%	$6,732.06	$6,940.94
Tejon-Castac Water District		6.25%	$6,732.06	$6,940.94
West Kern Water District		6.25%	$6,732.06	$6,940.94
Westside District Water Authority		6.25%	$6,732.06	$6,940.94
Wheeler Ridge-Maricopa Water Storage District		6.25%	$6,732.06	$6,940.94
Totals	Totals	100%	$107,713.00	$111,055.00

April 5, 2019

Partners,

This letter conveys our support for a new Water Data Consortium in California and expresses our agencies' commitment to coordinate closely with this new Consortium.

Better use of data on water and ecosystems will help us meet growing demands placed on our water resources by climate change, population growth and other factors. Data on climate change impacts, for example, can help shape local agencies' infrastructure investments to protect water reliability for their customers. Other types of data can help state agencies better understand where Californians are most vulnerable to drought, flood, and water quality impacts, which allows state government and local communities to strengthen resilience before the next crisis strikes. Data is also critical to implement key state goals such as the implementation of the Sustainable Groundwater Management Act (SGMA). For SGMA, groundwater data allows local agencies to set baselines and benchmarks for achieving groundwater sustainability and is necessary to identify opportunities to increase groundwater recharge and enable water trading where local water users find it useful.

Assembly Bill 1755 (AB 1755), the Open and Transparent Water Data Act passed in 2016, acknowledges the tremendous potential of California's water data. It requires the California Department of Water Resources (DWR), in consultation with the State Water Resources Control Board (Water Board), the California Department of Fish and Wildlife (DFW), and the California Water Quality Monitoring Council (Council), to make available important water and ecosystem data for widespread use. In response, DWR convened a broad Partner Agency Team comprised of the entities listed above and other state agencies that have data, expertise, and interest in implementing AB 1755. The Partner Agency Team then developed an AB 1755 Strategic Plan to guide AB 1755 implementation.

Implementing the AB 1755 Strategic Plan promises to improve water decision-making by making water and ecosystem data more accessible, useful, and ultimately well-utilized. To achieve this potential, the strategic plan acknowledges that broad public engagement is essential. Accordingly, the Partner Agency Team has convened collaborative venues and workshops to engage stakeholders and experts. A technical group is helping develop data standards and protocols, a UC Berkeley team spearheaded a set of sample use cases to demonstrate the connection between decisions and data, and public "water data challenges" have been developed that provide opportunity for civic engagement.

Development of a shared governance model to coordinate water data will build upon this public engagement and collaboration and will ensure that AB 1755 is implemented in a manner that enables data to be accessible, useful and well-utilized. For this governance model, AB 1755 authorizes DWR to "…partner with an existing nonprofit organization, with a new nonprofit organization that the

department creates…, or with another state agency to create, operate, or maintain, or any combination thereof, the platform." The Partner Agency Team has opted to expand investment in two existing platforms, the data.ca.gov and data.cnra.ca.gov platforms, rather than create totally new data platforms.

These two state government data platforms will be "federated," meaning that they will be made interoperable. Besides avoiding redundancy, creating a federation of data platforms enables connection with other federal and local data platforms that meet state standards and protocols. This approach provides the potential to exponentially expand data access and utilizations. The Strategic Plan recognizes that responsibility and authority over publishing state data and operating state-run portals needs to remain with state agencies but that a "shared governance space will provide the organizational infrastructure to support broad engagement, investment, adoption, and persistence of open data infrastructure" (Governing California's Open Water Data Infrastructure, p.2).

Inclusive engagement by a broad range of stakeholders will be enabled by the formation of a Water Data Consortium, which has been developed by the Water Foundation and other stakeholders and refined by the Water Data Advisory Council, a body convened by the Governor's Office of Planning and Research. The Consortium has been designed to enable broad stakeholder participation; a continuous discourse centered around the needs of water data users; a shared venue for dialog and collaborative projects; and a dialogue to inform the state's own use of water data. The Consortium steering committee will include state agency representatives, water managers, NGOs, and others with expertise on water data.

The California Natural Resources Agency, the California Environmental Protection Agency, and the members of the Partner Agency Team support the creation of a Water Data Consortium and commit to close coordination between state agencies and the activities of the Consortium. Our vision for the relationship between the state agencies and the Consortium is outlined in the attached table. We welcome the Consortium's initial focus on streamlining data submissions to state agencies.

We greatly appreciate the commitment and investment being made by a broad range of groups and leaders working to create the Consortium. This shared effort provides an early example of the collaborative spirit we expect the Consortium to nurture.

Sincerely,

Wade Crowfoot
Secretary for Natural Resources

Jared Blumenfeld
Secretary for Environmental Protection

Partner Agency Team	Partner Agency Team Members
Department of Water Resources Karla Nemeth, Director	Kamyar Guivetchi Christina McCready
Department of Fish and Wildlife Chuck Bonham, Director	Tom Lupo
State Water Resources Control Board Joaquin Esquivel, Chair	Greg Gearhart Rafael Maestu
Water Quality Monitoring Council Nicholas Martorano, Executive Director	Nicholas Martorano
California Natural Resources Agency Wade Crowfoot, Secretary	Tim Garza David Harris
Delta Stewardship Council Susan Tatayon, Chair	George Isaac
California Government Operations Agency Marybel Batjer, Secretary	Stuart Drown Angelica Quirarte
Governor's Office of Planning and Research Kate Gordon, Director	Debbie Franco

Open Water Data Infrastructure Activities

	Consortium	Partner Agency Team
Tasks	Gather feedback from stakeholders and make recommendations to improve data collection and publication by state agencies.	Collect, federate, and make available water and ecosystem data.
	Gather feedback from stakeholders and make recommendations to improve federation of existing and new data portals.	Maintain and expand federation of existing and future data portals.
	Develop shared data standards and protocols for voluntary adoption by organizations external to the state.	Adopt and implement state standards and protocols.
	Solicit input on and develop recommendations to improve the process of data submission to the state.	Consider and possibly implement recommendations for streamlining local agency data submission to the state.
	Develop pathway to leverage non-state funding for AB 1755 related activities.	Ensure adequate state funding for state responsibilities related to AB 1755.
	Promote innovation and lay the groundwork for pursuit of new opportunities.	Consider new opportunities developed by the Consortium.
	Build trust with data producers, providers, users, and consumers.	Build trust with data producers, providers, users, and consumers.
	Create a venue for stakeholders that includes state agencies to identify shared benchmarks and performance measures to ensure that water and ecological data are sufficient, accessible, useful, and used.	Evaluate progress on the implementation of the open water data infrastructure towards achieving identified shared benchmarks and performance measures.
	Develop, collect, and recommend use cases to increase effective decision making.	Prioritize data transformation to serve use cases, as appropriate and feasible.
	Recommend strategic direction for data standards, federation, and operation and maintenance of the data platform.	Collaborate with the Consortium on updates to the AB 1755 Strategic Plan, as needed to support water management

Programs or Data Portals	Parameters	Frequency	Objectives
AB-3030 and SB-1938	Water Level Water Quality	Semiannual to Annual	Water quality monitoring is optional; when conducted, parameters are limited to ag suitability analysis. Data is rarely made available to the public.
ILRP	Water Level Water Quality	Annual Every 5 years	Monitor impacts of agricultural and fertilizer applications on first encountered groundwater.
CV-SALTS	Water Quality	Monthly	Monitoring required via individual WDR Orders. Evaluates degradation potential from wastewaters discharged to land application areas.
SDWIS	Public Water System Water Quality and Compliance Information	Sample Frequency Varies between weekly and once every 3 years	Demonstrate compliance with Drinking Water Standards through monitoring and reporting water quality data, and system compliance status.
DOGGR UIC Program	Water Quality	Annually	Monitor the quality of water injected for the purposes of disposal or enhanced oil recovery, via the state's injection control program.
DOGGR SB-4	Water Level Water Quality	As Required Quarterly	Develop groundwater monitoring criteria related to Oil and Gas Well Stimulation and implement a groundwater monitoring program.
Geotracker WDR for Oil fields	Water Level Water Quality	Monthly	Monitor the quality of produced oil field water that is disposed of via percolation or, in some cases, by beneficial reuse in permanent tree crop or pasture irrigation.
GAMA. Collaboration with SWRCB, RWQCB, DWR, DPR, NWIS, LLNL	Water Level Water Quality	Water levels 2x/yr Water quality once every 3 years	Improve statewide comprehensive groundwater monitoring. Increase the availability to the general public of groundwater quality and contamination information.
Geotracker and DTSC Envirostor	Water Level Water Quality	Depends on program. Monthly, Semiannually, Annually, etc.	Records database for cleanup program sites, permitted waste dischargers,
CASGEM	Water Level	Monthly	

Department of Pesticide Regulations	Pesticides	Annual	DPR samples ground water to determine (1) whether pesticides with the potential to pollute ground water are present in ground water, (2) the extent and source of pesticide contamination, and (3) the effectiveness of regulatory mitigation measures.
Urban Water Management Plans	Water Level Water Quality	Monthly/Annual	Reported in years that end in 0 and 5. Plans require water quality characterization but does not mandate an additional monitoring program. Water quantity data is used to demonstrate that the municipality's existing infrastructure has 20-year supply capacity that matches their projected demand. Generally, the data collected is the same as SDWIS data.
AB 1249	Water Quality	Every 5 years	Provides funding to prepare a water quality chapter in Integrated Regional Water Management Plans (IRWM) to characterize groundwater quality with consideration for nitrate, arsenic, perchlorate or hexavalent chromium. Data used comes from SDWIS, AB 3030 and SB 1938
Annual Reports to Drinking Water Program	Water Level Water Quality Per Capita Usage	Biannual	Requires all public water systems to report on water quality (nitrate only), water level monitoring, total water produced, NEW in 2019: report on the 6 sustainability indicators.
Consumer Confidence Reports	Water Quality	Annual	Uses same data reported to SDWIS and uploaded with Annual Reports. Focuses on aggregated data with health effects information on regulated constituents.

California Water Data Consortium: Data Streamlining Pilot

California took a major step forward by passing the Open and Transparent Water Data Act (AB 1755) in 2016. To identify the most critical needs to implementing AB 1755, the Governor's Office of Planning and Research convened a Water Data Advisory Council in 2018-2019.

This Council recommended the creation of a Water Data Consortium and a set of initial activities including a data streamlining pilot project. The California Natural Resources Agency, the California Environmental Protection Agency, and top administration officials overseeing water issues have pledged their support to the Consortium and its mission.

Priority Consortium Activity: Data Streamlining Pilot

The Consortium will develop protocols for streamlined data reporting to state agencies that reduce redundancies and increase transparency and efficiency.

Streamlining data reporting offers multiple benefits, including:

- Time and expense savings
- Greater trust in the utility of open water data
- Early adoption of standards that accelerate data federation
- Near-term achievements that simultaneously help water users and regulatory agencies

Pilot Project

The Consortium will focus on the potential overlapping reporting requirements identified by stakeholders, including:

- Groundwater elevation reporting for SGMA, CASGEM, the Irrigated Lands Regulatory Program, and the SB4 Oil and Gas Monitoring Program
- Requirements associated with the Electronic Annual Report, conservation reporting, and urban water management plan reporting
- Requirements under AB 3030, SB 1938, and SDWIS

"We welcome the Consortium's initial focus on streamlining data submissions to state agencies.

"We greatly appreciate the commitment and investment being made by a broad range of groups and leaders working to create the Consortium. This shared effort provides an early example of the collaborative spirit we expect the Consortium to nurture."

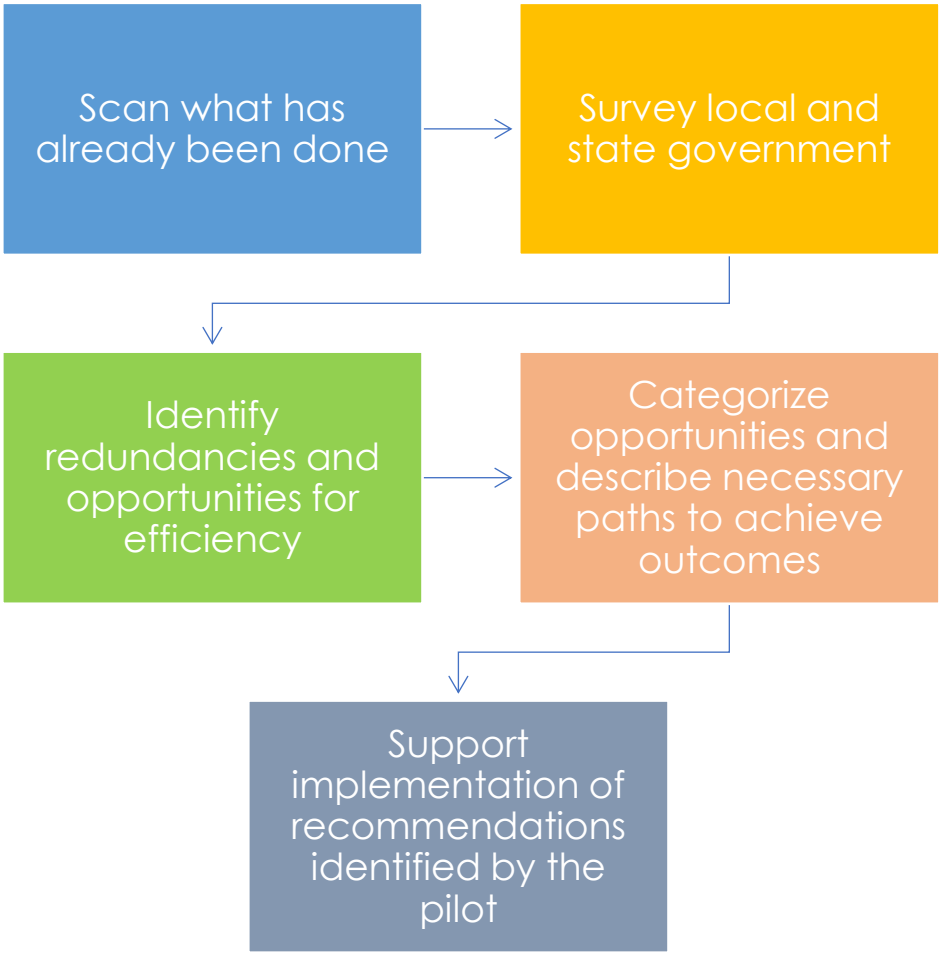
-- Secretary Wade Crowfoot and Secretary Jared Blumenfeld, April 2019

How Will the Pilot Work?

The Water Data Consortium will operate as a nonprofit organization with a core staff that is nimble, opportunistic, and up-to-date on technology and open data advances. The Consortium with develop and implement recommendations for streamlining data submitted to state agencies in cooperation with agency staff.

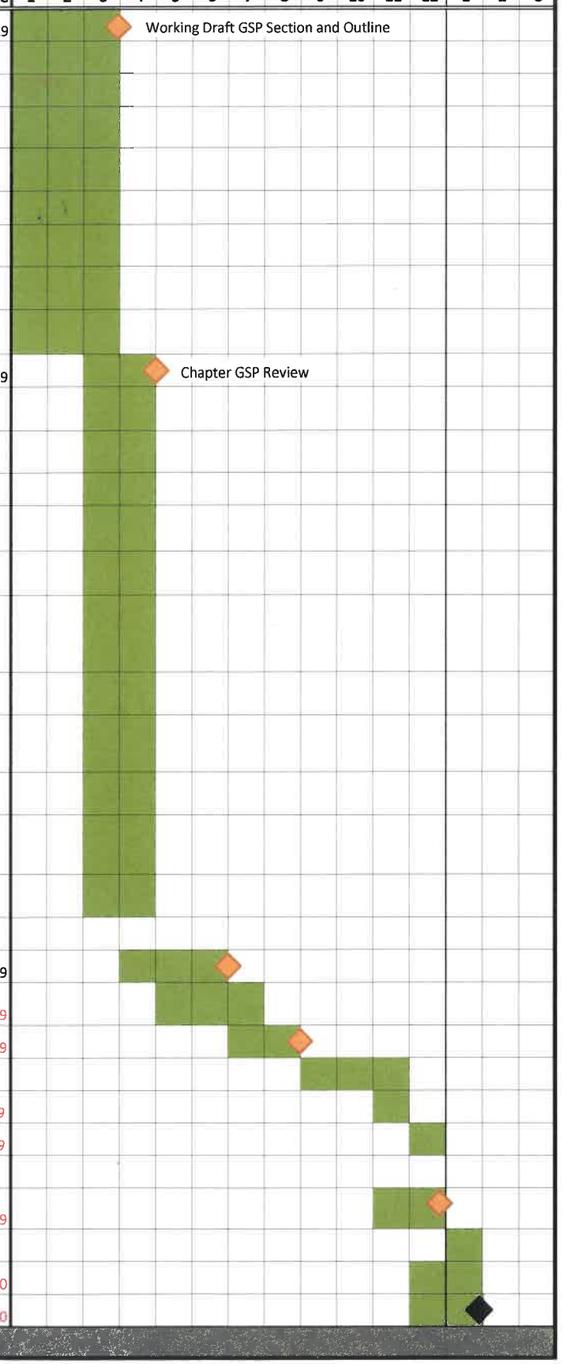
Primary streamlining data tasks for the pilot project include, but are not limited to:

- Assessing existing water data reporting requirements
- Strengthening existing water data streamlining efforts
- Evaluating reporting redundancies
- Developing platform structures and queries to compile and integrate reported data
- Developing recommendations in collaboration with state agencies and partnering with the state on implementation of recommendations to streamline, reduce, or eliminate duplicative reporting requirements



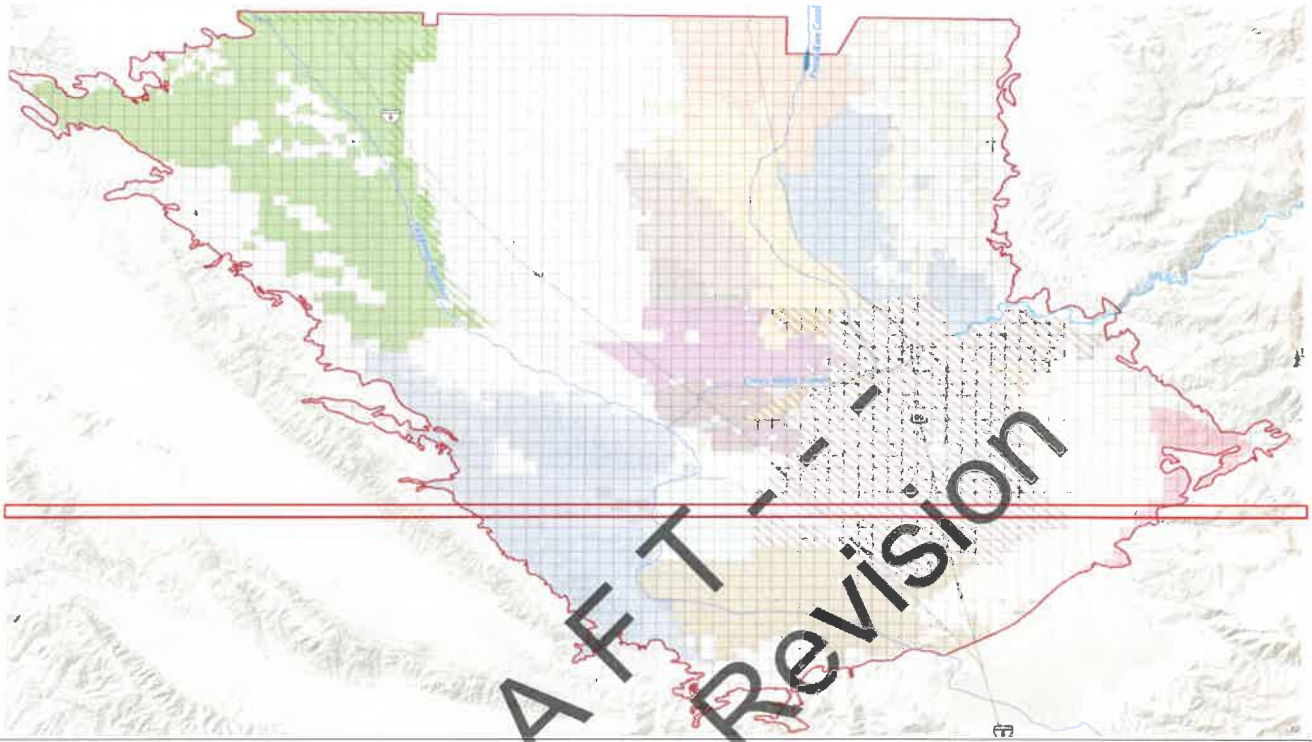
Task Order 18 - Development of KGA Groundwater Sustainability Plan

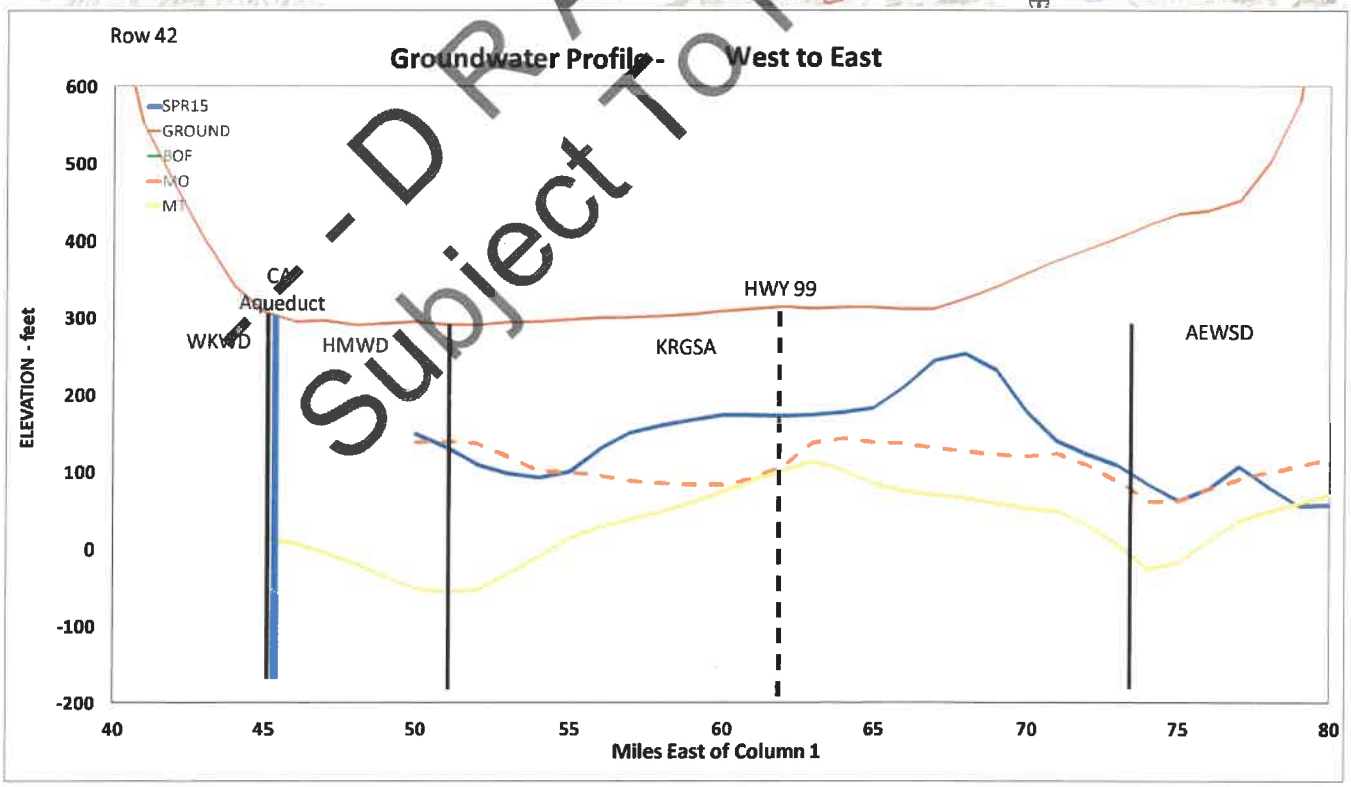
Task Description		GSA Basin Coordination Due Dates	KGA Member Deliverable Description	KGA Member Deliverable Date	GEI Deliverable Description	GEI Deliverable Date
Task 1	**Update GSP Outlines and Unique Umbrella Sections**		N/A	N/A	GSP Outline Update	March 22, 2019
	Close date of Basin Setting comments		March 15, 2019			
	Definition of Managed Monitoring Areas	March 5, 2019				
	Finalize Monitoring Protocols - Data & Reporting Standards	March 1, 2019				
	Monitoring Locations	Received Preliminary Location				
	Consensus on Sustainable Yield language	March 8, 2019				
	Draft Minimum Thresholds & Measureable Objectives	March 8, 2019/Received all Preliminaries				
	Revised Water Budgets	March 12, 2019/Received March 21, 2019				
	Initial Water Baseline	Received Preliminary Baseline				
Task 2	**Collect and Review Chapter GSPs**		Prelim Chapters GSP	Received 3/22/2019	Comments to Chapter GSPs	April 26, 2019
	Preliminary Monitoring Network	Received Preliminary Location March 22, 2019				
	Projected Future Sustainability Assessment - TODD	Received prelininaries on March 22, 2019				
	Final Draft of Basin Setting - Planning Document	Released 6-12-2019				
	Preferred Alternative Scenario & Assessment - Districts to provide to TODD	6/25/2019 Completed				
	Agreement on Monitoring Network	5/31/2019 - Pending 7-12-2019				
	Agreement on Minimum Thresholds & Measureable Objectives	5/31/2019 Provided initial data - Pending final resolution from districts/GSA 7-12-2019				
	Agreement on Surface Water Supply	6/12/2019 - Initial Agreement on 6/21/2019				
	Agreement on Total Water Use	6/12/2019 - Pending Todd results & water budget 7-19-2019				
	Agreement in Groundwater Storage	6/12/2019 - Initial Agreement on 6/21/2019				
	Agreement on Water Budget	6/12/2019 - Pending Todd results & water budget 7-19-2019				
	Preferred Alternative Scenario & Assessment - Todd to provide results from disticts data	June 28, 2019				
Task 3	**Preparation of First Draft of KGA GSP**					
	First Adminstrative Draft to the KGA		Revised Chapter GSPs	June 7, 2019	Internal Review Draft	July 12, 2019
	KGA Manager Review		Revised Chapter GSPs	July 23, 2019	Admin Draft Umbrella & Chapter	July 30, 2019
	Public Review Draft - Internal		Comments to Admin U-GSP	August 9, 2019	Public Review U-GSP	August 28, 2019
Task 4	**Public Review Process**		*Public Review Process: August 30th to November 29, 2019*			
	Receipt of Public Comments				Last Date of Comments	*November 29, 2019*
	Dissemnate Comments to Districts					*December 4, 2019*
Task 5	**Preparation of Final KGA GSP**					
	Review & Response to Comments to Umbrella GSP		Reponse to Comments to KGA	December 13, 2019	Final Response to Comments	December 20, 2019
	Receipt of Final Chapters GSPs			January 10, 2020		
	Final KGA GSP				Final U-GSP	January 17, 2020
	Board Approval					January 22, 2020



KERN SUB-BASIN GROUNDWATER PROFILES

Grid scale = 1 sq. mile





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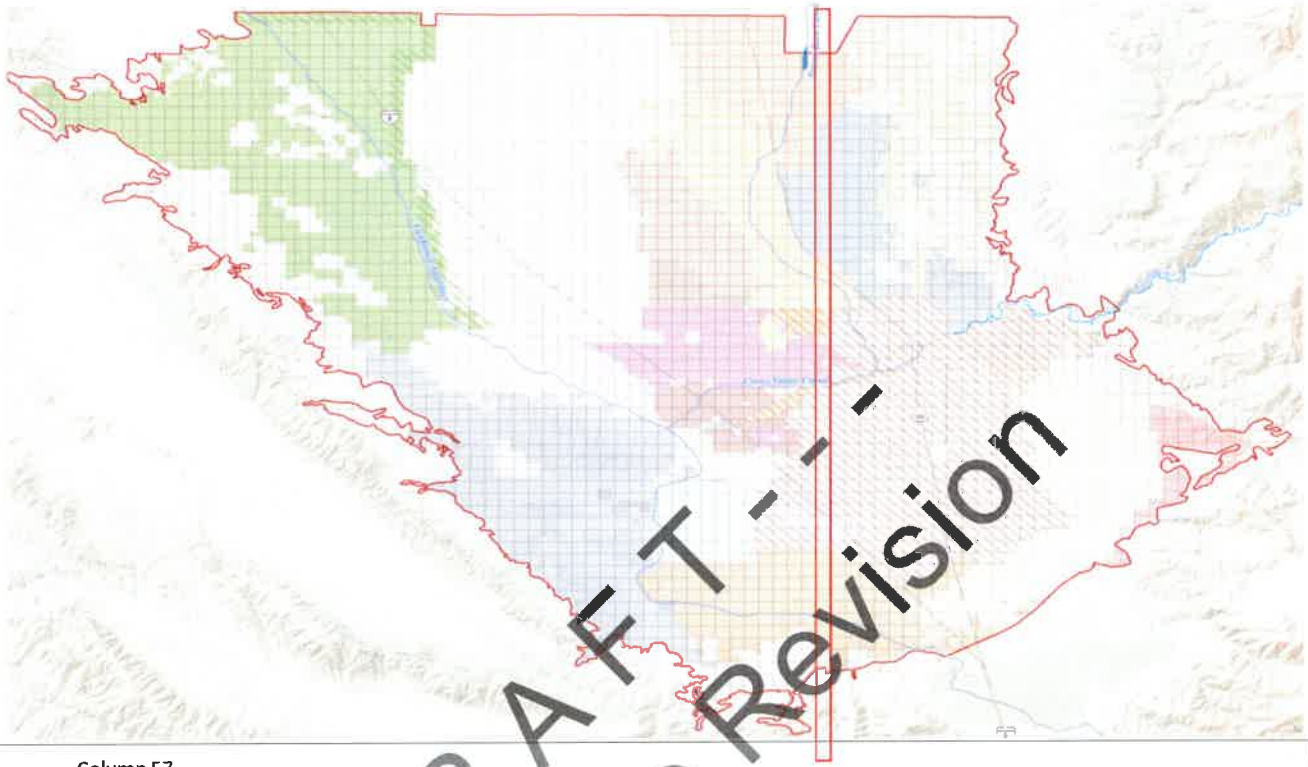
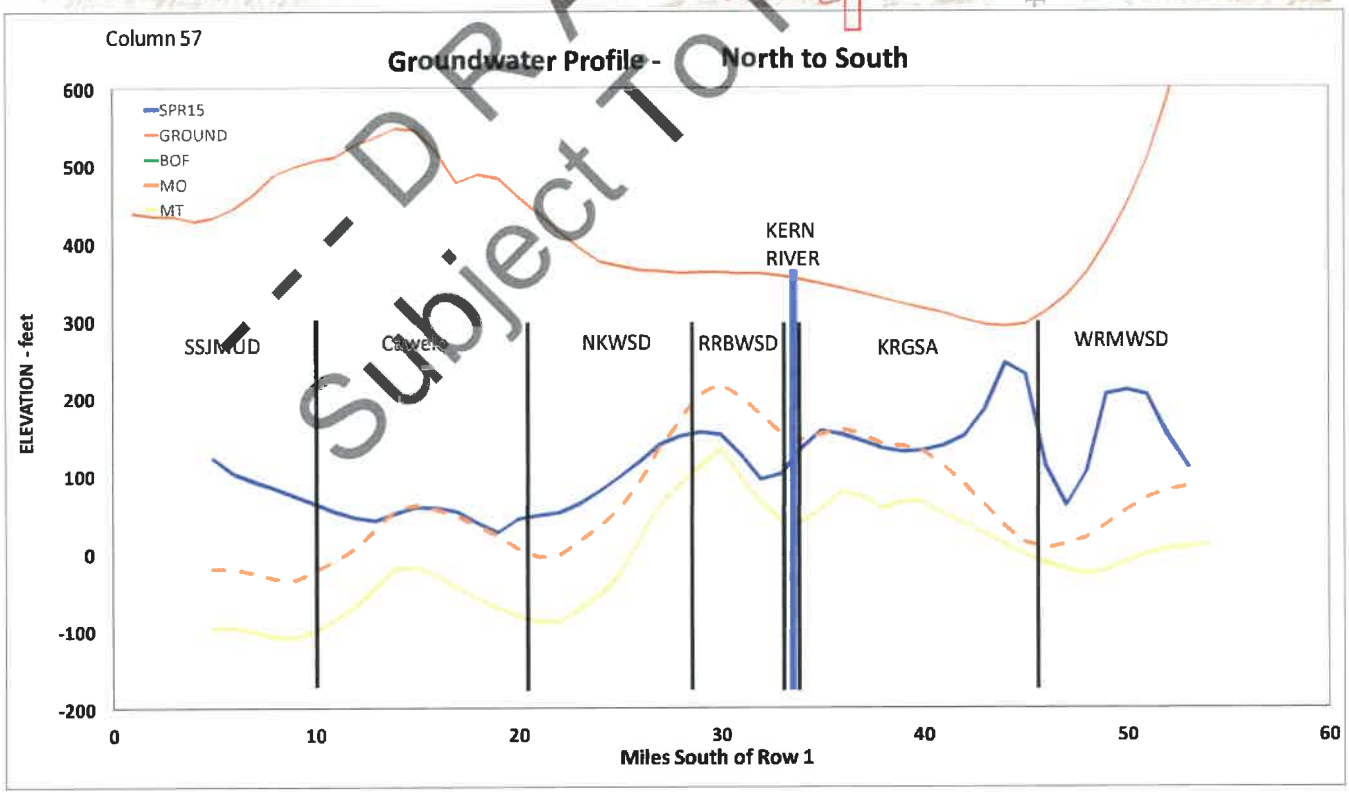
KERN SUB-BASIN GROUNDWATER PROFILES

Grid scale = 1 sq. mile





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Subject To Revision

KERN GROUNDWATER AUTHORITY

Memorandum

To: Kern Groundwater Authority Board of Directors

From: Patty Poire, Planning Manager

Date: June 28, 2019

Subject: Accomplishments and Forward Work Plan

Accomplishments

- Continued to hold manager/GSAs meetings – current discussion is the setting of minimum thresholds and measurable objectives and water budget checkbook
- Continue the discussion with the managers/GSA on the definition for "managed monitoring area"
- Release of the third and final draft of the Basin Setting to the managers for their review
- Handling calls from non-districted landowners who received the KGA letter
- Reviewing draft Chapters and submitted comments to several districts
- Completed GSA boundary adjustment mapping the undistricted lands with Cawelo and Kern River GSA
- Meeting with Congressman TJ Cox – discussed water infrastructure federal funding
- Meeting with Ag Liaison to Governor Newsom Bill Lyons
- Meeting with Governor Newsom's staff on SGMA and funding for water infrastructures
- Setting up meeting with Ag Liaison to Governor Newsom Bill Lyons with water district managers and landowners
- Held KGA Stakeholder meeting
- Speaker at the Groundwater Resources Association meeting
- Attended KRGSA Board meeting
- Attended Semitropic Workshop
- Attended Arvin-Edison Workshop
- Attended White Wolf GSA Board meeting and workshop

Forward Work Plan

- Work with KRGSA to complete Lamont boundary adjustment to include in the KRGSA
- Continue work with interested stakeholders in non-districted areas
- Work with KGA members and other GSAs on boundary adjustments to accommodate non-districted landowners
- Finalize the Monitoring Network

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Visalia, CA 93291-6362
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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:	June 21, 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 68 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.

(68 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	6
Arvin-Edison Water Storage District	10	Semitropic Water Storage District	9
Cawelo Water District	4	Shafter-Wasco Irrigation District	30
City of Shafter	2	Southern San Joaquin Municipal Utility District	31
County of Kern	4	Tejon-Castaic Water District	0
Kern County Water Agency	2	West Kern Water District	2
Kern-Tulare Water District	5	Westside District Water Authority	5
Kern Water Bank Authority	3	Wheeler Ridge-Maricopa Water Storage District	3
North Kern Water Storage District	8		

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

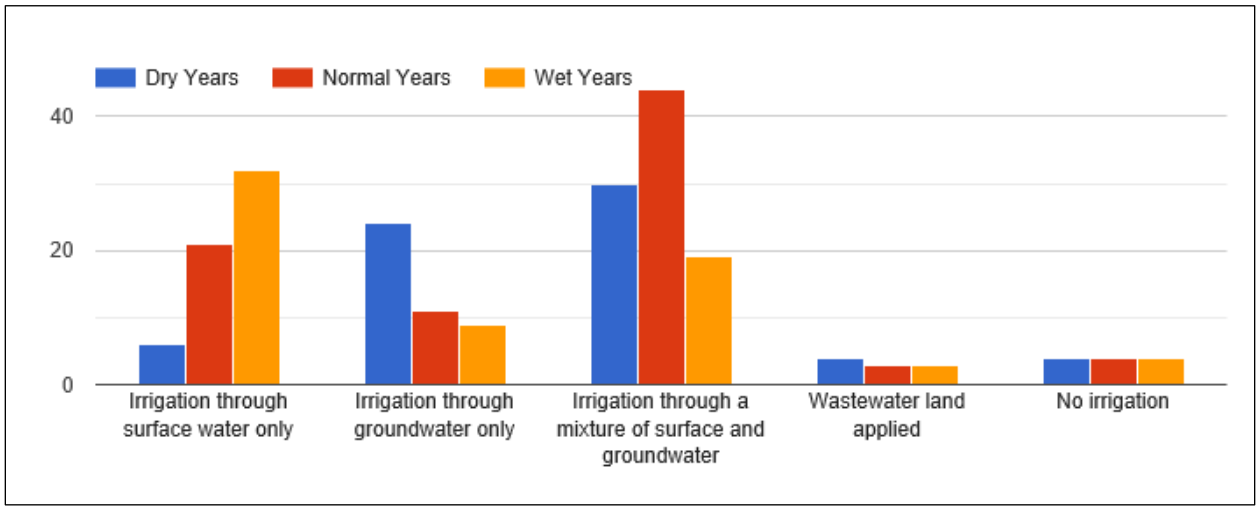
(58 responses)

Total Acres Farmed	Total Acres Farmed	Total Acres Farmed
4	207	1,000
8	220	1,160
17	230	1,200 (x2)
20	235	1,250 (x2)
35	254	1,500
39.25	257	1,722
40	266	1,921.27
42.21	280	2,044
54	350	2,630
55	370	3,000
56.5	375 (x2)	3,500
100 (x2)	467	4,415
135.33	516	5,000
143	600	6,000
155	640	15,000
156	770	29,000
160	825	
161.82	890	

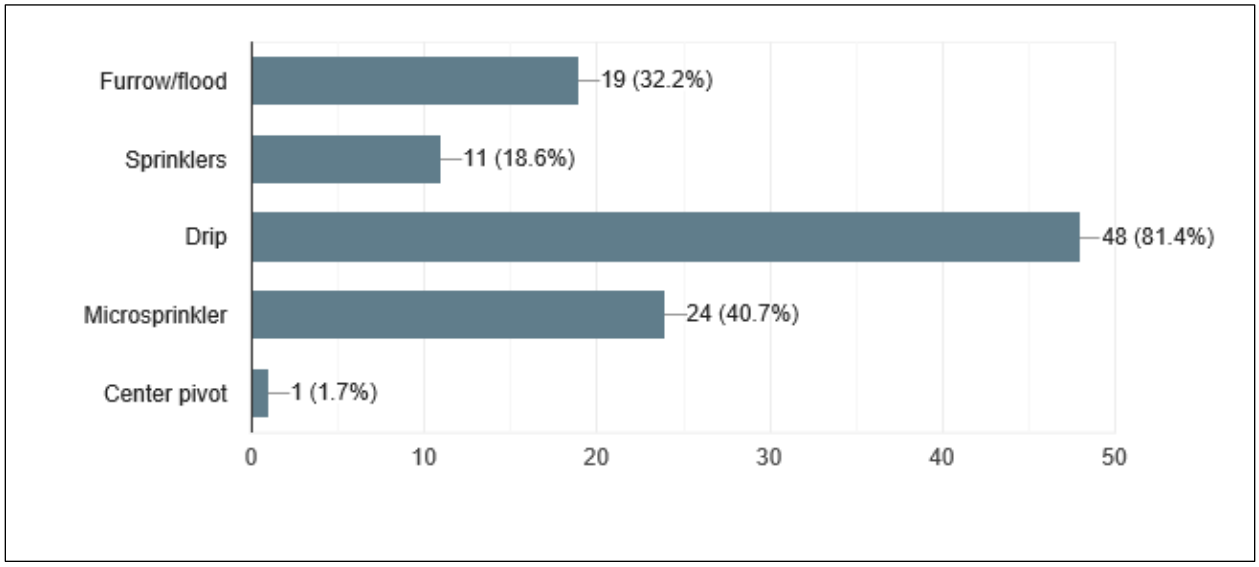
3. In a typical year, how much of the following crops, animals or land do you manage/own?

Crop or Land Type	Acres Managed or Owned	Crop or Land Type	Acres Managed or Owned
Fruit trees	Ranges from 5-6,000 acres *(23 responses)*	Grapes	Ranges from 100-1,500 acres *(9 responses)*
Nut trees	Ranges from 8-15,000 acres *(47 responses)*	Hay/alfalfa	Ranges from 17-1,000 acres *(8 responses)*
Row crops	Ranges from 65-3,000 acres *(8 responses)*	Livestock on pasture/rangeland	Ranges from 4-17,000 acres *(4 responses)*
Seed crops	*0 responses*	Dairy (total head)	*0 responses*
Vegetables	70-1,500 acres *(2 responses)*	Food Processor/Production	*0 responses*
Grain	Ranges from 250-2,000 acres *(6 responses)*	Other land use (please indicate):	Ranges from 20 to 681 acres of fallowed ground *(3 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. *(59 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	6	14	10	6	5	4	6
Restore existing wells	11	12	3	4	9	7	5
Make existing wells deeper	3	14	11	9	8	2	2
Pump more groundwater	7	7	8	3	13	5	7

Practice	Currently Use	Future Use					
		Very Unlikely	Unlikely	Somewhat Unlikely	Somewhat Likely	Likely	Very Likely
than previous years							
Drip irrigation	35	4	1	1	5	5	17
Water monitoring technology	28	2	1	3	6	4	18
Fallow fields	4	11	14	3	4	9	1
Soil moisture sensors	27	2	1	2	7	6	13
Change to a less water intensive crop	4	24	8	7	2	4	1
Reduce livestock stocking rates	1	14	4	1	2	0	4
Leaf sampling to measure plant-water status	13	4	3	2	12	11	4
Purchase additional water	11	5	6	4	7	12	13
Purchase crop insurance	23	3	1	4	6	8	16
Other: *(5 responses)*	Bank water and purchase water credits; Vacant land for sale; Bank water; Groundwater recharge; deep root irrigation						

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	37	21	2	4	0
Reduction in groundwater storage	28	16	11	4	6
Water quality degradation	13	15	21	9	5
Local subsidence	16	12	11	6	17
Depletions of surface water	43	9	6	2	5
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!!					
Get rid of the "enviros"; to hell with the fish					
Limiting access/use					
To rid bureaucratic time wasters; to rid enviros stopping the pumps					
Worry about Semitropic groundwater degradation and other areas in our district					
Government interferences					

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)	3	2	1	6	17	25	3
Water metering	11	10	8	12	12	8	1
Water trading through markets	4	5	5	8	13	24	4
Public program highlighting farmers implementing water saving practices	2	0	3	12	23	21	1
Farmer adoption of water management practices	2	1	1	9	24	26	0
District investment in conjunctive use infrastructure (i.e. water storage)	3	0	1	3	12	41	1
Groundwater replenishment fees	14	10	13	10	6	3	7
Fixed quota for water pumping allocated to each farmer	24	8	9	11	6	1	2
Incentives for water saving practices	2	2	0	16	18	20	3
Moratorium on drilling new wells	13	12	16	5	3	2	4
Permits for drilling new wells	5	6	8	8	22	10	3
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	17	8	7	9	17	5
Use satellite estimates and ground truth	7	12	15	11	6	2
Use standard crop water requirement indexes	5	10	13	15	6	5

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	18	9	5	7	0	13
Groundwater Sustainability Agency	7	2	5	15	16	8
County Board of Supervisors	20	12	4	6	9	2
Superior Court System	23	16	2	4	4	3
Arbitration	3	11	3	9	4	2
Other *(4 responses):* I want the state to delete our land from the basin boundary, then I will not have any dispute to reconcile; Stop running water to the Pacific Ocean; A farmer-controlled Advisory Board						

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: *(14 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.

I'm not in support of mega growers only buying farmland in order to resell water to places like L.A. to make a killing off of. Needs to be against the law and downright illegal. The extra water should go to farmers or storage for drought years... not to make profit on!!!

Water trading through markets seems like our best option. Also, connecting farms with conservation easements to facilitate retiring their land.

Work more closely with oil field-produced water and pipe it to other water districts.

Ensure growers fully understand current water consumption. At this point most growers don't have a strong handle on water use which leads to fear of SGMA implementation. Although fearful for agriculture, a program such as this is necessary. With current estimates, groundwater credits and groundwater markets will allow farming to continue in one method or another.

Best to have all district board presidents meet quarterly to work out ways to exchange any surplus water and to work out the details.

Give us the water. Don't send the water out to the ocean. Don't send water to fish that have not been in the area for over 50 years.

I know we can't keep depleting our underground basin, but we need to increase storage and use a more common-sense approach for water. Stop flushing our water to sea.

Some of the proposals presented are ridiculous. Mitigation features presented - farmers paying for municipal wells and housing (rural) well development.

Farmers aren't the end users of water. Consumers are. We are efficient and food is a basic need for survival. It's a shame our state has the best farm land in the world wants to eliminate the profession. We're highly regulated more so than anywhere else in the world. Farming for a century on our land and living on it and investing in, it's hard to move away.

Friant
WATER AUTHORITY

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May 28, 2019

Ms. Patricia Poire
Kern Groundwater Authority GSA
1800 30th Street, Ste 280
Bakersfield, CA 93301

RE: Notice of Requirement that Groundwater Sustainability Plan Identify the Effects of Subsidence on the Friant-Kern Canal Due to Groundwater Pumping as an "Undesirable Result" and to Implement Measures to Avoid and Address such Undesirable Result

Dear Ms.Poire:

I write at the direction of the Board of Directors of the Friant Water Authority regarding your agency's efforts to develop a groundwater sustainability plan (GSP) for your basin as mandated by California's landmark law – the Sustainable Groundwater Management Act (SGMA). As the operator of the Friant-Kern Canal on behalf of the United States Bureau of Reclamation, which facility conveys surface water to municipal and/or agricultural users in your basin and provides opportunities for groundwater recharge, SGMA requires that your agency consider the interests of FWA in formulating your GSP. (Water Code § 10723.2.)

As a preliminary matter, to the extent that your agency has not already done so, I request that FWA be added to your list of "interested persons" and that we receive notice of your board meetings, the release of the draft GSP for public comment, and any public hearings prior to the adoption of the GSP. Our contact information for such notice is at the end of this letter.

FWA, many of whose member agencies are also members of groundwater sustainability agencies (GSAs), acknowledges the challenges that SGMA presents in terms of developing a GSP that halts overdraft and brings your basin into a balanced level of pumping and recharge. Nevertheless, as plans move forward in our region, the preliminary studies and data being developed by GSAs confirm that overdraft in basins through which the Friant-Kern Canal crosses has been the primary source of land subsidence, which in turn has caused the Canal to subside more than 12 feet in certain areas – including several feet in just the past few years alone. As a result, the Canal, because of its "gravity" design, has had its conveyance capacity reduced to 40% of its original capacity (from 4,000 to 1,650 cubic-feet per second). The constriction in the Canal caused by subsidence now precludes the delivery of up to several hundred thousand acre-feet of water to Friant Division Contractors below the constrictions in wetter years, which in turn, among other things, threatens the

continued viability of tens of thousands of acres of Central Valley farmland served by our contractors.

Under SGMA, your agency's GSP must include a description of "undesirable results" applicable to the basin, which must include the following:

> *(1) The cause of groundwater conditions occurring throughout the basin that would lead to or has led to undesirable results based on information described in the basin setting, and other data or models as appropriate.*
>
> *(2) The criteria used to define when and where the effects of the groundwater conditions cause undesirable results for each applicable sustainability indicator. The criteria shall be based on a quantitative description of the combination of minimum threshold exceedances that cause significant and unreasonable effects in the basin.*
>
> *(3) Potential effects on the beneficial uses and users of groundwater, on land uses and property interests, and other potential effects that may occur or are occurring from undesirable results.* (23 California Code of Regulations (CCR) § 354.26.)

FWA understands that defining the conditions that are considered significant and unreasonable undesirable results is a difficult task, and that stakeholder input is critical in this process. As such, we respectfully request the opportunity to meet with your staff and other technical advisors and consultants to discuss what subsidence conditions FWA might consider to be significant and unreasonable, and to collaboratively discuss opportunities that might satisfactorily mitigate future anticipated subsidence.

As your agency may be aware, the FWA Board recently gave preliminary direction to study, develop plans, and pursue permitting for a portion of an overall project referred to as the Friant-Kern Canal Capacity Correction Project that is intended to restore the capacity of Canal that has been lost due to subsidence by developing new parallel canal segments in the areas of the Canal most impacted. FWA's engineering consultant, Stantec, currently estimates the costs of the Project are in the range of $195 million to $429 million. This estimate does not, at present, include detailed design or construction work to address potential future subsidence of the Canal.

While SGMA may permit for a period of up to 20 years to bring a basin into balance, we firmly believe that the continuation of subsidence at the rates historically experienced, particularly if unmitigated, is unacceptable and look forward to identifying feasible solutions that allow your agency to meet its sustainability goal while avoiding or mitigating undesirable subsidence impacts on the Friant-Kern Canal.

On behalf of FWA, I appreciate your agency's consideration of these initial comments and we look forward to continued dialogue and participation as a stakeholder as the GSP is developed.

Sincerely

Jason Philips,
Chief Executive Officer

Contact information for GSA Notices:

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