

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

Ridgecrest City Hall 100 W California Ave., Ridgecrest, CA 93555 760-499-5002

BOARD OF DIRECTORS

A G E N D A

Thursday, May 16, 2019

Open Session 10:00 a.m.

Pursuant to California Government Code 54953(B)(1) An Additional Call in Location Has Been Established for A Board Member Who Will Attend This Meeting Via Teleconference At:
163 May Street, Bishop, CA 93514

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact Lauren Duffy at (760) 384-5511. Requests must be made as early as possible and at least one full business day before the start of the meeting. Documents and material relating to an open session agenda items that are provided to the IWVGA Board of Directors prior to a regular meeting will be available for public inspection and copying at Indian Wells Valley Water District, 500 Ridgecrest Blvd, Ridgecrest, CA 93555, or online at <https://iwwga.org/>.

Statements from the Public

The public will be allowed to address the Board during Public Comments about subjects within the jurisdiction of the IWVGA Board and that are NOT on the agenda. No action may be taken on off-agenda items unless authorized by law. Questions posed to the Board may be answered after the meeting or at future meeting. Dialog or extended discussion between the public and the Board or staff will be limited in accordance with the Brown Act. The Public Comments portion of the meeting shall be limited to three (3) minutes per speaker. Each person is limited to one comment during Public Comments.

All remarks and questions should be addressed to the Board as a whole and not to any individual Board member or staff. There will be time after each action item on the agenda to receive comments from the public. Again, each speaker will be limited to three (3) minutes. Speakers should be brief and limit their comments to the specific subject being discussed. Persons will be limited to one comment per person unless directed by the Chair.

1. CALL TO ORDER – 10:00 a.m.

- a. Pledge of Allegiance
- b. Roll Call

2. PUBLIC COMMENTS

This time is reserved for the public to address the Board about matters NOT on the agenda. No action will be taken on non-agenda items unless authorized by law. Comments are limited to three minutes per person.

3. CONSENT AGENDA

- a. Approve Minutes of Board Meeting April 18, 2019
- b. Approve Expenditures

- i. \$13,552.50 - RWG Law
- ii. \$913.00 and \$747.00 – City of Ridgecrest
- iii. \$11,466.26 - Capitol Core Group

4. WATER RESOURCES MANAGER (WRM) REPORT

- a. Report/Discussion on Plan of Action and Milestones (POAM)
- b. Report on Proposition 1 Grant Status
- c. Report on Pump Fee Status/Schedule
- d. Severely Disadvantaged Community (SDAC) Update

5. UPDATE ON IWVGA FINANCES

6. UPDATE ON OUTREACH EFFORTS

7. BOARD QUESTIONS REGARDING POLICY ADVISORY COMMITTEE (PAC) AND TECHNICAL ADVISORY COMMITTEE (TAC) REPORTS

8. GENERAL MANAGER’S REPORT

- a. Report on IWVGA’s Water Marketer (Capitol Core Group)

9. CLOSING COMMENTS

This time is reserved for comments by Board members and/or staff and to identify matters for future Board business

10. CLOSED SESSION

- CONFERENCE WITH LEGAL COUNSEL - POTENTIAL LITIGATION
(Government Code Section 54956.9(d)(2)(e)(1)) Number of cases: One (1) Significant exposure to litigation in the opinion of the Board of Directors on the advice of legal counsel, based on: Facts and circumstances that might result in litigation against the IWVGA but which are not yet known to a potential plaintiff or plaintiffs, which facts and circumstances need not be disclosed.

11. DATE AND TIME OF NEXT MEETING – June 20, 2019; 10:00 a.m.

12. ADJOURN

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INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

City of Ridgecrest, Indian Wells Valley Water District, Inyo County, Kern County, San Bernardino County

BOARD OF DIRECTORS MINUTES

Thursday, April 18, 2019; 9:30 a.m.

IWVGA Members Present:

Chairman Ron Kicinski, IWVWD	Don Zdeba, IWVGA General Manager
Matthew Kingsley, Inyo County	James Worth, Legal Counsel
Mick Gleason, Kern County	Stephen Johnson, IWVGA Water Resources Manager
Commander Peter Benson, US Navy, DoD Liaison	Thomas Bickaaskas, Bureau of Land Management
Scott Hayman, City of Ridgecrest	Lauren Duffy, Clerk of the Board

Attending via teleconference is Bob Page, San Bernardino County

Meeting recording and public comment letters submitted are made available at:
<https://iwvga.org/iwvga-meetings/>

1. CALL TO ORDER:

The meeting is called to order by Chairman Kicinski at 9:30 a.m.

2. PUBLIC COMMENTS ON CLOSED SESSION:

None.

With no further public comment made, Chairman Kicinski calls the meeting into Closed Session at 9:30 a.m.

3. CLOSED SESSION:

- CONFERENCE WITH LEGAL COUNSEL - POTENTIAL LITIGATION (Government Code Section 54956.9(d)(2)(e)(1)) Number of cases: One (1) Significant exposure to litigation in the opinion of the Board of Directors on the advice of legal counsel, based on: Facts and circumstances that might result in litigation against the IWVGA but which are not yet known to a potential plaintiff or plaintiffs, which facts and circumstances need not be disclosed.

4. OPEN SESSION 11:00 a.m.:

The meeting is reconvened into Open Session at 11:03 a.m.

a. Report on Closed Session:

Jim Worth reports the Board took action on the following matters:

1. The Board authorized staff to retain an independent appraiser to appraise certain properties within the basin.
2. The Board authorized Stetson Engineers to conduct multiple model runs based on different pumping scenarios that have been discussed in attorney allocation meetings.

No other action was taken which requires disclosure under the Brown Act.

b. The Pledge of Allegiance is led by Don Decker.

Lauren Duffy calls the following roll call:

Director Kingsley	Present
Director Hayman	Present
Chairman Kicinski	Present
Director Page	Via teleconference
Vice Chair Gleason	Present

5. PUBLIC COMMENTS:

Don Decker references an outline of the IWV Domestic Well Owner Groundwater Sustainability Plan included in the Board Packet under the PAC report.

6. CONSENT AGENDA:

- a. Approve Minutes of Board Meeting March 21, 2019
- b. Approve Expenditures
 - i. \$5,764.47 – RWG Law
 - ii. \$11,304.71 – DRI
 - iii. \$8,314.00 JPRIMA 2019-2020 Policy Term

Motion made by Scott Hayman and seconded by Mick Gleason to approve Minutes of Board Meeting on March 21, 2019, and the following expenditures: \$5,764.47 to RWG Law, \$11,304.71 to DRI, and \$8,314.00 to JPRIMA for 2019-2020 Policy Term. Motion carries by the following roll call vote:

Director Kingsley	Abstain
Director Hayman	Aye
Chairman Kicinski	Aye
Director Page	Aye
Vice Chair Gleason	Aye

7. REPORT ON THE FINAL 2017/2016 AUDIT CONDUCTED BY BROWN ARMSTRONG:

Thomas Young, CPA of Brown Armstrong, provides a report via teleconference to the Board on findings from the audit conducted for 2017/2016. A hard copy of the report was distributed to the Board at the March Regular Board Meeting. Mr. Young recommends going forward, that bookkeeping be completed and maintained in-house versus through the County of Kern.

Motion made by Mick Gleason and seconded by Scott Hayman to accept report on audit findings conducted by Brown Armstrong. Motion carries by the following roll call vote:

Director Kingsley	Aye
Director Hayman	Aye
Chairman Kicinski	Aye
Director Page	Aye
Vice Chair Gleason	Aye

8. DISCUSSION AND BOARD APPROVAL FOR INDIAN WELLS VALLEY WATER DISTRICT TO MAINTAIN LOCAL FINANCIAL RESPONSIBILITIES FOR THE IWVGA BEYOND 2019:

Don Zdeba reviews the Staff Report provided in the Board Packet.

The Board hears comments from Mark Williamson

Motion made by Mick Gleason and seconded by Scott Hayman to approve the IWVWD to maintain local financial responsibilities for the IWVGA beyond 2019 until a permanent structure is in place to handle those responsibilities full-time. Motion carries unanimously by the following roll call vote:

Director Kingsley	Aye
Director Hayman	Aye
Chairman Kicinski	Aye
Director Page	Aye
Vice Chair Gleason	Aye

9. DISCUSSION AND BOARD DIRECTION TO STAFF FOR IWVGA GENERAL MANAGER POSITION:

Chairman Kicinski comments he has had discussions with Don Zdeba with respect to Mr. Zdeba continuing his role as Acting General Manager for the IWVGA through 2020, to allow for time to review the budget and find a permanent General Manager. Mr. Zdeba is willing to accept the role if the Board approves it.

The Board hears comments from Judie Decker and Renee Westa-Lusk.

Motion made by Mick Gleason and seconded by Scott Hayman to approve staff recommendation and have Don Zdeba maintain his current role as Acting General Manager until the position is permanently filled. Motion carries unanimously by the following roll call vote:

Director Kingsley	Aye
Director Hayman	Aye
Chairman Kicinski	Aye
Director Page	Aye
Vice Chair Gleason	Aye

10. DISCUSSION AND APPROVAL OF IWVGA LOGO:

Mr. Zdeba comments that three logo options were created by a local artist and presented at the April PAC meeting for vote and recommendation. The PAC, by majority vote, recommend the below option to the Board for approval to be the official logo of the IWVGA.



Motion made by Mick Gleason and seconded by Scott Hayman to accept PAC recommendation and approve the IWVGA logo. Motion carries unanimously by the following roll call vote:

Director Kingsley	Aye
Director Hayman	Aye
Chairman Kicinski	Aye
Director Page	Aye
Vice Chair Gleason	Aye

11. WATER REOURCES MANAGER REPORT:

a. Report/Discussion on Plan of Action and Milestones (POAM):

Jeff Helsley provides a report on the POAM. Available online.

b. Report on Proposition 1 Grant Status:

Heather Steele reports the third draft invoice was submitted to Department of Water Resources (DWR) at the beginning of April. DWR is currently reviewing the invoice and Progress Report. The first payment is anticipated to be received by the end of May or early June. The first invoice covers the time period from the beginning of the project through September 2018. The second invoice will cover the period from October 2018 through the end of 2018.

c. Report on Pump fee Status/Schedule:

Ms. Steele reports there are currently 51 registered non-deminimis accounts. Staff is awaiting response from the 3rd notices sent to non-deminimis well owners who have failed to register and first letters sent to newly identified possible non-de-minimis pumpers. \$215,300 received to date in pumping fees. There are 15 accounts not registered and believed to be non-de-minimis.

d. Severely Disadvantaged Community (SDAC) Update:

Mr. Helsley provides an update on SDAC.

e. Report on IWVGA's Water Marketer (Capitol Core Group)

Don Zdeba provides a report on the efforts and actions taken since the execution of the agreement with Capitol Core Group (CCG). CCG was authorized to move forward with the following three tasks:

1. Develop a technical memorandum regarding potential water supplies and delivery options.
2. Identify and secure funding sources for the infrastructure improvements to import water.
3. Provide Capitol Core with resources to attend Board Meetings.

The financial impact of those tasks total \$158,325 out of the \$221,225 from the original proposal.

Todd Tatum, of CCG, provides an update on the progress made thus far.

Director Kingsley expresses his concerns, on behalf of Inyo County, with respect to importing/exporting water.

The Board hears public comments from Renee Westa-Lusk and Joshua Nugent.

12. UPDATE ON IWVGA FINANCES:

Mr. Zdeba provides an update on the IWVGA financial report included in the Board Packet.

The ending balance, including the three (3) invoices approved at today's meeting, is \$6,198.71

13. UPDATE ON OUTREACH EFFORTS:

Mr. Zdeba provides a report on outreach efforts, including the IWVWD booth at the Home & Leisure Show and the previously approved Sustainable Groundwater Management Act postcard mailed to all impacted parcel owners within the basin.

After much deliberation, the Board directs Staff to draft an oversized postcard for the private well owners within the basin requesting well information via a simplified voluntary well registration form provided by the Domestic Well Owners Association. The postcard will include wording suggestions provided by the PAC chair.

The Board hears comments from Don Decker, West Katzenstein, Judie Decker, and Mayor Peggy Breeden.

14. BOARD QUESTIONS REGARDING POLICY ADVISORY COMMITTEE (PAC) AND TECHNICAL ADVISORY COMMITTEE (TAC) REPORTS:

PAC Chairman Dave Janiec and TAC Chairman Adam Bingham report on highlights of the April 4th PAC and TAC meetings and answer Board questions.

15. GENERAL MANAGER'S REPORT:

Mr. Zdeba has nothing more to report.

16. CLOSING COMMENTS:

Commander Benson provides the following feedback. The guidance for the Energy and Water security projects was released by the secretary of the Navy's office this month. Naval Air Weapons Station China Lake worked in conjunction with the Water Resources Manager to refine the scope of work for project No. 3, dealing with land subsidence. The refined scope of work will be submitted today for funding consideration through the Navy Chain of Command. Commander Benson comments they expect to find out if the project is selected for funding in August 2019.

Director Kingsley expresses his concerns and possible issues with importing water. Specifically, if Los Angeles Department of Water and Power (LADWP) provides water to the IWV basin and the possible effect it would have on the Owens Valley.

17. DATE AND TIME OF NEXT MEETING:

The next IWVGA Regular Board Meeting will be held on May 16, 2019; at 9:30 a.m.

With no further Board or Public comments, Jim Worth announces the Board will not recess into Closed Session as there is no need to.

18. CLOSED SESSION: (CANCELLED)

- CONFERENCE WITH LEGAL COUNSEL - POTENTIAL LITIGATION (Government Code Section 54956.9(d)(2)(e)(1)) Number of cases: One (1) Significant exposure to litigation in the opinion of the Board of Directors on the advice of legal counsel, based on: Facts and circumstances that might result in litigation against the IWVGA but which are not yet known to a potential plaintiff or plaintiffs, which facts and circumstances need not be disclosed.

19. ADJOURN:

Chairman Kicinski adjourns the meeting at 12:49 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Lauren Duffy', is written over the printed name.

Lauren Duffy
Clerk of the Board of Directors
Indian Wells Valley Groundwater Authority

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City of Ridgecrest

100 West California Avenue
Ridgecrest, CA 93555
Phone (760) 499-5002 Fax (760) 499-1500
www.ridgecrest-ca.gov

TO: IWV Groundwater Authority
PO Box 1329
Ridgecrest, CA 93556-1329

Invoice Date: 4/15/2019

ATTN: Lauren Duffy, Secretary

Event: PAC / TAC Meetings - April 4, 2019

Description	Account Distribution	Unit Price	Total Price
6 hours video 2 hours setup time 1 hour edit and post 2 hours documentation preparation		\$83.00	\$ 913.00
Total Amount Due			\$ 913.00

Please make payable to:
City of Ridgecrest

Credit Card Payments:
Please contact Ricca Charlon @ 760-499-5002

Mail to:
City of Ridgecrest
ATTN: Ricca Charlon
100 W. California Ave.
Ridgecrest, CA 93555



City of Ridgecrest

100 West California Avenue
Ridgecrest, CA 93555
Phone (760) 499-5002 Fax (760) 499-1500
www.ridgecrest-ca.gov

TO: IWV Groundwater Authority
PO Box 1329
Ridgecrest, CA 93556-1329

Invoice Date: 5/9/2019

ATTN: Lauren Duffy, Secretary

Event: PAC / TAC Meetings - May 2, 2019

Description	Account Distribution	Unit Price	Total Price
7 hours meetings 2 hours Prep and setup		\$83.00	\$ 747.00
Total Amount Due			\$ 747.00

Please make payable to:
City of Ridgecrest

Credit Card Payments:
Please contact Ricca Charlon @ 760-499-5002

Mail to:
City of Ridgecrest
ATTN: Ricca Charlon
100 W. California Ave.
Ridgecrest, CA 93555

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CAPITOL
CORE
GROUP

Capitol Core Group, Inc.
205 Cartwheel Bend
Lakeway, TX 78738 US
(562) 568-3084
www.capitolcore.com

BILL TO

Indian Wells Valley
Groundwater Authority
500 West Ridgecrest Blvd.
Ridgecrest, California 93555
USA

Invoice 2019-020

DATE 05/01/2019 TERMS Net 45

DUE DATE 06/15/2019

ACTIVITY	HOURS	RATE	AMOUNT
Charges			
Task 1 -- Determination and Secure Sources of Imported Water Supplies			
Strategic Communications:Water Procurement Assistance Project Initiation Meeting Stetson/Capitol Core {Partner - Tatum}	2	250.00	500.00
Strategic Communications:Water Procurement Assistance Project Initiation Meeting Stetson/Capitol Core {SVP - Simonetti}	1.50	225.00	337.50
Strategic Communications:Water Procurement Assistance Kick-off Conference Call IWVGA/Stetson/Capitol Core {Partner - McKinney/Tatum}	2	250.00	500.00
Strategic Communications:Water Procurement Assistance Kick-off Conference Call IWVGA/Stetson/Capitol Core {SVP - Simonetti}	1.50	225.00	337.50
Strategic Communications:Water Procurement Assistance Implementation Meeting IWVGA/Capitol Core {Partner - Tatum}	2	250.00	500.00
Strategic Communications:Water Procurement Assistance Implementation Meeting IWVGA/Capitol Core {SVP - Simonetti}	1.75	225.00	393.75
Strategic Communications:Water Procurement Assistance Implementation Meeting Stetson/Capitol Core -- Water Infrastructure Requirements and Imported Needs Assessment research and strategy session {Partner - McKinney/Tatum}	4	250.00	1,000.00
Strategic Communications:Water Procurement Assistance Implementation Meeting Stetson/Capitol Core -- Water Infrastructure Requirements and Imported Needs Assessment research and strategy session {SVP - Simonetti}	2	225.00	450.00
Strategic Communications:Water Procurement Assistance Technical Memorandum: Water Procurement Meeting {SVP - Simonetti}	2	225.00	450.00

ACTIVITY	HOURS	RATE	AMOUNT
Strategic Communications:Water Procurement Assistance Implementation Meeting Ad-HOC Committee/Capitol Core {Partner - Tatum}	1	250.00	250.00
Strategic Communications:Water Procurement Assistance Technical Memorandum: Stetson Infrastructure Meeting and Preparation	2.75	225.00	618.75
Strategic Communications:Water Procurement Assistance Implementation Meeting Ad-HOC Committee/Capitol Core {SVP - Simonetti}	1	225.00	225.00
Strategic Communications:Water Procurement Assistance Implementation Meeting Water Agency/Capitol Core {Partner - Tatum}	2	250.00	500.00
Strategic Communications:Water Procurement Assistance Implementation Meeting Water Agency/Capitol Core {SVP - Simonetti}	1	225.00	225.00
Strategic Communications:Water Procurement Assistance Technical Memorandum: Internal team call to discuss water banking and transfer partner meeting {SVP - Simonetti}	1.75	225.00	393.75
Strategic Communications:Water Procurement Assistance Technical Memorandum: Water Supplier Meeting {SVP - Simonetti}	1.50	225.00	337.50
Task 1 Total March/April 2019 = \$7,018.75			
Task 3 -- Identification and Secure Potential Funding Sources			
Government Relations:Public Affairs Strategic Plan Development: Water/Appropriations introductory meetings {SVP - Simonetti}	0.75	225.00	168.75
Government Relations:Public Affairs Strategic Plan Development: White Paper/Briefing Document Development {Partner - McKinney}	2.50	250.00	625.00
Government Relations:Public Affairs Strategic Plan Development: Strategic Funding Outline, White Paper/Briefing, research Federal Funding potentials {Partner - McKinney}	3.50	250.00	875.00
Government Relations:Public Affairs Strategic Plan Development: Conference Call Ad-HOC Committee/Capitol Core {Partner - McKinney}	1	250.00	250.00
Government Relations:Public Affairs Reporting: FPPC 602/LD1-LD2 development, Project Administration, White Paper {Partner - McKinney}	2	250.00	500.00
Government Relations:California Legislative Affairs Strategic Plan Development: Finalize White Paper/Briefing for initial Assembly/Senate briefings {Partner - McKinney}	1	250.00	250.00
Government Relations:Federal Legislative Affairs Strategic Plan Development: Various Meetings 1) USNAWS-China Lake/Capitol Core; 2) General Manager/Capitol Core; 3) Ad-HOC Committee Members/Capitol Core {SVP - Simonetti}	3	225.00	675.00
Government Relations:California Legislative Affairs Sacramento Due Diligence: Assembly & Senate Briefings {SVP - Simonetti}	1	225.00	225.00

ACTIVITY	HOURS	RATE	AMOUNT
Government Relations:Federal Legislative Affairs Federal Due Diligence: Conference Call E&WD Minority Staff, House Appropriation Committee -- Federal Funding Sources 2020-2021 {Partner - McKinney}	1	250.00	250.00
Task 3 Total March/April 2019 = \$3,618.75			
Task 4 -- Board Meetings, Staff Meetings, and Reporting			
Government Relations:Local Governmental Affairs Board Meeting: April 2019 {Partner - Tatum}	2	250.00	500.00
Task 4 Total March/April = \$500.00			
Reimbursable Expense Items			
Reimbursable Expense Item Milage: (rt) Kick-off meeting Stetson/Capitol Core -- Apple Valley to Covina {Partner - Tatum}	66	0.58	38.28
Reimbursable Expense Item Milage: (rt) April IWVGA Board Meeting	90	0.58	52.20
Reimbursable Expense Item Milage: (rt) Implementation Meeting Stetson/Capitol Core -- Apple Valley to Covina {Partner - Tatum}	66	0.58	38.28
Reimbursable Expense Item Travel: (rt) ONT-SACTO/SMF Southwest Airlines {SVP - Simonetti} -- Charges waived	1	0.00	0.00
Reimbursable Expense Item Lodging: (rt) SACTO {SVP - Simonetti} -- Charges waived	1	0.00	0.00
Total REIM = \$128.76			

Thank you for your business. Please make checks
payable to Capitol Core Group, Inc.

TOTAL DUE	\$11,466.26
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INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT
POAM SCHEDULE - DRAFT (March 15, 2019)

ID	Task Name	Task Responsibility	Predecessors	Budgeted Cost	Actual Costs	Remaining Costs	Start	Finish	Budget % Use	% Complete	2017				2018				2019				Q1
											Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
0	POAM billing data as of 01/31/19			\$4,820,801.00	\$2,299,307.00	\$2,521,494.00	Thu 1/1/15	Mon 12/30/19	48%	70%													
1	Water Resources Manager Starts Work - August 2017	-		\$0.00	\$0.00	\$0.00	Thu 8/17/17	Thu 8/17/17		100%	◆ 8/17												
2	Task 1.0 Initial GSP Support Studies	-		\$167,600.00	\$167,600.00	\$0.00	Fri 1/1/16	Fri 3/29/19	100%	99%													
11	Task 2.0 Proposition 1 SGMA GSP Development Grant	-		\$102,880.00	\$99,698.00	\$3,182.00	Fri 9/8/17	Fri 9/28/18	97%	100%													
17	Task 3.0 Data Management System	-		\$371,105.00	\$137,312.00	\$233,793.00	Thu 8/3/17	Mon 12/2/19	37%	68%													
28	Task 4.0 GSP Development and Submittal	-		\$2,505,700.00	\$1,161,778.00	\$1,343,922.00	Thu 1/1/15	Mon 12/30/19	46%	80%													
29	Task 4.1 Prepare/Submit Notification of GSP Preparation to DWR and Local Agencies and Post on Website	-	1	\$0.00	\$0.00	\$0.00	Tue 10/17/17	Tue 10/17/17		100%	◆ 10/17												
30	Task 4.2 Conceptual and Numerical Basin Modeling	-		\$1,046,900.00	\$826,488.00	\$220,412.00	Thu 1/1/15	Mon 7/1/19	79%	90%													
31	Hydrogeologic Conceptual Model			\$31,300.00	\$23,193.00	\$8,107.00	Wed 10/18/17	Thu 4/4/19	74%	97%													
36	Numerical Groundwater Model	-		\$1,015,600.00	\$803,295.00	\$212,305.00	Thu 1/1/15	Mon 7/1/19	79%	90%													
53	Task 4.3 Data Gap Evaluation	-		\$1,056,200.00	\$101,863.00	\$954,337.00	Wed 8/16/17	Mon 12/2/19	10%	80%													
82	Task 4.4 Imported Water Study	-		\$175,000.00	\$121,828.00	\$53,172.00	Fri 12/15/17	Fri 3/15/19	70%	100%													
89	Task 4.5 Recycled Water Study	-		\$61,000.00	\$60,984.00	\$16.00	Fri 12/15/17	Thu 2/7/19	100%	100%													
97	Task 4.6 Prepare Draft GSP Chapters	-		\$135,300.00	\$44,659.00	\$90,641.00	Tue 9/4/18	Fri 6/28/19	33%	60%													
107	Task 4.7 GSP Report Preparation: Develop Draft and Final GSP	-		\$31,300.00	\$5,956.00	\$25,344.00	Fri 6/28/19	Mon 8/26/19	19%	0%													
112	Task 4.8 Public Hearing and Adoption of Plan	-		\$0.00	\$0.00	\$0.00	Mon 8/26/19	Mon 12/30/19		0%													
118	Task 5.0 SDAC Projects	-		\$646,000.00	\$33,101.00	\$612,899.00	Mon 10/9/17	Fri 12/27/19	5%	64%													
121	Task 6.0 IWVGA Project Management and Administrative Tasks	-		\$416,766.00	\$268,389.71	\$148,376.29	Tue 8/1/17	Fri 12/27/19	64%	67%													
132	Task 7.0 Legal Services	IWVGA		\$200,000.00	\$0.00	\$200,000.00	Tue 8/1/17	Fri 12/27/19	0%	67%													
133	Task 8.0 Stakeholder/Authority Coordination	-		\$289,250.00	\$305,544.29	(\$16,294.29)	Tue 8/1/17	Fri 12/27/19	106%	67%													
139	Task 9.0 Groundwater Pumping Fee Support	Stetson		\$121,500.00	\$125,884.00	(\$4,384.00)	Tue 8/1/17	Fri 12/27/19	104%	67%													

Project: POAM billing data as of 01/31/19
Date: Fri 3/15/19

Task	<div></div>	Rolled Up Milestone	◆	Inactive Milestone	<div></div>	Start-only	<div></div>	Baseline	<div></div>
Critical Task	<div></div>	Rolled Up Progress	<div></div>	Inactive Summary	<div></div>	Finish-only	<div></div>	Baseline Milestone	◆
Milestone	◆	Split	<div></div>	Manual Task	◆	External Tasks	◆	Baseline Summary	<div></div>
Summary	<div></div>	External Tasks	<div></div>	Duration-only	<div></div>	External Milestone	<div></div>	Progress	<div></div>
Rolled Up Task	<div></div>	Project Summary	<div></div>	Manual Summary Rollup	◆	Critical	<div></div>	Deadline	↓
Rolled Up Critical Task	<div></div>	Group By Summary	<div></div>	Manual Summary	◆	Critical Split	<div></div>		

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT
POAM SCHEDULE - DRAFT (March 15, 2019)

ID	Task Name	Task Responsibility	Predecessors	Budgeted Cost	Actual Costs	Remaining Costs	Start	Finish	Budget % Use	% Complete	<div><div>2017</div><div>2018</div><div>2019</div></div> <div><div>Q1</div><div>Q2</div><div>Q3</div><div>Q4</div><div>Q1</div><div>Q2</div><div>Q3</div><div>Q4</div><div>Q1</div><div>Q2</div><div>Q3</div><div>Q4</div><div>Q1</div></div>											
0	POAM billing data as of 01/31/19			\$4,820,801.00	\$2,299,307.00	\$2,521,494.00	Thu 1/1/15	Mon 12/30/19	48%	70%												
1	Water Resources Manager Starts Work - August 2017	-		\$0.00	\$0.00	\$0.00	Thu 8/17/17	Thu 8/17/17		100%												
2	Task 1.0 Initial GSP Support Studies	-		\$167,600.00	\$167,600.00	\$0.00	Fri 1/1/16	Fri 3/29/19	100%	99%												
3	USGS Recharge Study - Grant Funded	USGS / Kern County		\$87,600.00	\$87,600.00	\$0.00	Mon 6/5/17	Mon 10/1/18	100%	100%												
4	Brackish Groundwater Resources FS- Brackish Groundwater Study Group Funded	IWVWD / Others		\$0.00	\$0.00	\$0.00	Mon 5/1/17	Fri 3/29/19		98%												
5	Aerial Electro-Magnetic Geophysics Survey- Government and Local Funding	IWVWD / Others		\$0.00	\$0.00	\$0.00	Tue 11/14/17	Thu 3/7/19		100%												
6	Well Database Groundwater Truthing Study	IWVWD / Others		\$0.00	\$0.00	\$0.00	Wed 8/23/17	Wed 12/20/17		100%												
7	Salt and Nutrient Management Plan	IWVWD / Others		\$80,000.00	\$80,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%	100%												
8	Loading Analysis (Existing)	IWVWD / Ridgecrest		\$30,000.00	\$30,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%	100%												
9	Mixing Model Development (Existing)	IWVWD / Ridgecrest	8SS	\$30,000.00	\$30,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%	100%												
10	Reporting and Coordination	IWVWD / Ridgecrest	8SS,9SS	\$20,000.00	\$20,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%	100%												
11	Task 2.0 Proposition 1 SGMA GSP Development Grant	-		\$102,880.00	\$99,698.00	\$3,182.00	Fri 9/8/17	Fri 9/28/18	97%	100%												
12	Release final PSP	DWR		\$0.00	\$0.00	\$0.00	Fri 9/8/17	Fri 9/8/17		100%												
13	Prepare Project Application	Stetson	1	\$62,880.00	\$62,834.00	\$46.00	Fri 9/8/17	Mon 11/13/17	100%	100%												
14	Submit Project Application	Stetson	13	\$0.00	\$0.00	\$0.00	Tue 11/14/17	Tue 11/14/17		100%												
15	DWR Grant Agreement Coordination	IWVGA / Stetson		\$10,000.00	\$10,000.00	\$0.00	Tue 11/14/17	Fri 9/28/18	100%	100%												
16	DWR Grant Reporting/Coordination	IWVGA / Stetson	15	\$30,000.00	\$26,864.00	\$3,136.00	Thu 8/2/18	Fri 9/28/18	90%	100%												
17	Task 3.0 Data Management System	-		\$371,105.00	\$137,312.00	\$233,793.00	Thu 8/3/17	Mon 12/2/19	37%	68%												
18	Task 3.1 Data Management System Development	-		\$48,605.00	\$48,605.00	\$0.00	Wed 8/23/17	Wed 1/31/18	100%	100%												
19	Develop a Web-Based GeoDatabase (DMS)	Stetson	1	\$48,605.00	\$48,605.00	\$0.00	Wed 8/23/17	Wed 1/31/18	100%	100%												
20	Task 3.2 Data Compilation and Analysis	-		\$322,500.00	\$88,707.00	\$233,793.00	Thu 8/3/17	Mon 12/2/19	28%	65%												
21	Develop Monitoring Protocols for the GSP	Stetson		\$30,900.00	\$20,007.00	\$10,893.00	Thu 3/1/18	Thu 11/1/18	65%	100%												
22	Populate Data with Historical Data	Stetson		\$54,200.00	\$54,200.00	\$0.00	Fri 12/15/17	Wed 8/15/18	100%	100%												
23	Install Transducers and Telemetry Equipment	Stetson		\$179,000.00	\$0.00	\$179,000.00	Thu 11/1/18	Fri 6/28/19	0%	0%												
24	Integrate GSP Goals and Objectives – Adaptive Management	Stetson		\$43,900.00	\$0.00	\$43,900.00	Mon 4/1/19	Thu 5/9/19	0%	0%												
25	Monitoring Program - Kern County Water Agency and Navy Funded	KCWA / Navy		\$0.00	\$0.00	\$0.00	Thu 8/3/17	Mon 12/2/19		69%												
26	Ramboll Coordination	Stetson		\$10,000.00	\$10,000.00	\$0.00	Tue 9/3/19	Mon 12/2/19	100%	0%												
27	CASGEM Coordination			\$4,500.00	\$4,500.00	\$0.00	Tue 11/14/17	Wed 1/31/18	100%	100%												
28	Task 4.0 GSP Development and Submittal	-		\$2,505,700.00	\$1,161,778.00	\$1,343,922.00	Thu 1/1/15	Mon 12/30/19	46%	80%												
29	Task 4.1 Prepare/Submit Notification of GSP Preparation to DWR and Local Agencies and Post on Website	-	1	\$0.00	\$0.00	\$0.00	Tue 10/17/17	Tue 10/17/17		100%												
30	Task 4.2 Conceptual and Numerical Basin Modeling	-		\$1,046,900.00	\$826,488.00	\$220,412.00	Thu 1/1/15	Mon 7/1/19	79%	90%												
31	Hydrogeologic Conceptual Model			\$31,300.00	\$23,193.00	\$8,107.00	Wed 10/18/17	Thu 4/4/19	74%	97%												
32	Prepare/Review Hydrogeologic Conceptual Model	Stetson	29	\$31,300.00	\$23,193.00	\$8,107.00	Wed 10/18/17	Tue 6/19/18	74%	100%												
33	Discussion of Hydrogeologic Conceptual Model	TAC	32	\$0.00	\$0.00	\$0.00	Fri 6/29/18	Thu 3/7/19		100%												
34	Discussion of Water Budget	TAC		\$0.00	\$0.00	\$0.00	Thu 2/1/18	Thu 11/1/18		100%												

Project: POAM billing data as of 01/31/19
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Task	<div></div>	Rolled Up Milestone	<div></div>	Inactive Milestone	<div></div>	Start-only	<div></div>	Baseline	<div></div>
Critical Task	<div></div>	Rolled Up Progress	<div></div>	Inactive Summary	<div></div>	Finish-only	<div></div>	Baseline Milestone	<div></div>
Milestone	<div></div>	Split	<div></div>	Manual Task	<div></div>	External Tasks	<div></div>	Baseline Summary	<div></div>
Summary	<div></div>	External Tasks	<div></div>	Duration-only	<div></div>	External Milestone	<div></div>	Progress	<div></div>
Rolled Up Task	<div></div>	Project Summary	<div></div>	Manual Summary Rollup	<div></div>	Critical	<div></div>	Deadline	<div></div>
Rolled Up Critical Task	<div></div>	Group By Summary	<div></div>	Manual Summary	<div></div>	Critical Split	<div></div>		

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT
POAM SCHEDULE - DRAFT (March 15, 2019)

ID	Task Name	Task Responsibility	Predecessors	Budgeted Cost	Actual Costs	Remaining Costs	Start	Finish	Budget % Use	% Complete	2017				2018				2019			
											Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
35	Discussion and Recommendation of Outreach for Hydrogeologic Conceptual Model	PAC	33	\$0.00	\$0.00	\$0.00	Fri 3/8/19	Thu 4/4/19		50%												
36	Numerical Groundwater Model	-		\$1,015,600.00	\$803,295.00	\$212,305.00	Thu 1/1/15	Mon 7/1/19	79%	90%												
37	Model Development	Navy		\$620,600.00	\$620,600.00	\$0.00	Thu 1/1/15	Wed 8/16/17	100%	100%												
38	Review and Evaluation of Existing Groundwater Model	Stetson	37	\$31,400.00	\$31,400.00	\$0.00	Thu 8/17/17	Fri 12/29/17	100%	100%												
39	Model: Historical Model Calibration	DRI / Stetson	38	\$78,100.00	\$78,100.00	\$0.00	Thu 5/10/18	Wed 10/31/18	100%	100%												
40	Historical and Baseline Recharge and Pumping Workshop	TAC		\$0.00	\$0.00	\$0.00	Thu 6/28/18	Thu 6/28/18		100%												
41	Calibration Workshop	TAC		\$0.00	\$0.00	\$0.00	Wed 8/29/18	Wed 8/29/18		100%												
42	Discussion and Recommendation of Model Calibration	TAC	41	\$0.00	\$0.00	\$0.00	Thu 9/6/18	Thu 10/4/18		100%												
43	Complete Basin Model Calibration	Stetson	39,42	\$0.00	\$0.00	\$0.00	Thu 11/1/18	Thu 11/1/18		100%												
44	Model: Transport/TDS Modeling	DRI / Stetson		\$51,700.00	\$20,735.00	\$30,965.00	Tue 10/9/18	Thu 4/4/19	40%	80%												
45	Discussion and Recommendation of 4 Modeling Scenarios	TAC	85,94,34FS-23 days	\$0.00	\$0.00	\$0.00	Thu 10/4/18	Thu 2/7/19		100%												
46	Model: Baseline	DRI / Stetson	38,43,29	\$48,600.00	\$48,600.00	\$0.00	Fri 12/7/18	Thu 1/3/19	100%	100%												
47	Discussion of Sustainable Management Criteria	TAC		\$0.00	\$0.00	\$0.00	Thu 7/12/18	Wed 4/3/19		90%												
48	Model: Management Actions	DRI / Stetson	6,43,45FS-25 days	\$103,700.00	\$3,860.00	\$99,840.00	Fri 1/4/19	Wed 4/3/19	4%	0%												
49	Discussion of Baseline and Management Action Modeling Results	DRI/TAC/PAC	48SS+24 days,46	\$0.00	\$0.00	\$0.00	Thu 2/7/19	Wed 4/3/19		63%												
50	Recommendation of Management Actions for GSP and Outreach	TAC/PAC	49,48	\$0.00	\$0.00	\$0.00	Thu 4/4/19	Thu 4/4/19		0%												
51	Land Subsidence Consideration	DRI / Stetson		\$0.00	\$0.00	\$0.00	Thu 1/31/19	Thu 5/2/19		45%												
52	Draft Model Documentation	DRI / Stetson		\$81,500.00	\$0.00	\$81,500.00	Mon 7/9/18	Mon 7/1/19	0%	70%												
53	Task 4.3 Data Gap Evaluation	-		\$1,056,200.00	\$101,863.00	\$954,337.00	Wed 8/16/17	Mon 12/2/19	10%	80%												
54	Review Existing Monitoring Network and Recommend Monitoring Network	Stetson		\$42,400.00	\$31,764.00	\$10,636.00	Wed 8/16/17	Thu 4/4/19	75%	88%												
55	Identification of Data Gaps	Stetson		\$24,300.00	\$24,300.00	\$0.00	Mon 4/2/18	Thu 3/7/19	100%	100%												
56	Monitoring Wells	-		\$548,000.00	\$10,194.00	\$537,806.00	Thu 3/8/18	Mon 12/2/19	2%	59%												
57	Site Evaluation	Stetson		\$13,700.00	\$10,194.00	\$3,506.00	Mon 7/16/18	Mon 12/3/18	74%	100%												
58	Discussion of Location Siting	TAC		\$0.00	\$0.00	\$0.00	Thu 3/8/18	Thu 12/6/18		100%												
59	Work Plan and Well Construction	-		\$534,300.00	\$0.00	\$534,300.00	Thu 4/5/18	Mon 12/2/19	0%	55%												
60	Permitting and Work Plan	Stetson		\$98,900.00	\$0.00	\$98,900.00	Thu 4/5/18	Thu 3/7/19	0%	100%												
61	Installation of Monitoring Wells 2018	Navy/Stetson/Searles		\$186,700.00	\$0.00	\$186,700.00	Fri 11/23/18	Fri 12/28/18	0%	100%												
62	Installation of Monitoring Wells 2019	Navy/Stetson/Searles	61	\$186,700.00	\$0.00	\$186,700.00	Mon 12/31/18	Mon 12/2/19	0%	22%												
63	Collection of Monitoring Well Data	-		\$62,000.00	\$0.00	\$62,000.00	Thu 12/20/18	Mon 12/2/19	0%	25%												
64	Stream Gages	-		\$91,800.00	\$13,466.00	\$78,334.00	Tue 9/4/18	Wed 5/15/19	15%	80%												
65	Hydrologic Analysis	Stetson		\$16,100.00	\$12,807.00	\$3,293.00	Tue 9/4/18	Tue 11/6/18	80%	100%												
66	Discussion of Location Siting	TAC		\$0.00	\$0.00	\$0.00	Tue 9/4/18	Thu 12/6/18		100%												
67	Design and Location Siting	Stetson		\$29,900.00	\$0.00	\$29,900.00	Thu 11/1/18	Thu 2/7/19	0%	100%												
68	Equipment Purchase, Installation, and Testing	Stetson	67	\$45,800.00	\$659.00	\$45,141.00	Thu 2/7/19	Wed 5/15/19	1%	33%												
69	Weather Stations	-		\$68,700.00	\$3,658.00	\$65,042.00	Thu 9/6/18	Wed 5/15/19	5%	86%												
70	Discussion of Location Siting	TAC		\$0.00	\$0.00	\$0.00	Thu 9/6/18	Tue 12/18/18		100%												

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Task		Rolled Up Milestone		Inactive Milestone		Start-only		Baseline	
Critical Task		Rolled Up Progress		Inactive Summary		Finish-only		Baseline Milestone	
Milestone		Split		Manual Task		External Tasks		Baseline Summary	
Summary		External Tasks		Duration-only		External Milestone		Progress	
Rolled Up Task		Project Summary		Manual Summary Rollup		Critical		Deadline	
Rolled Up Critical Task		Group By Summary		Manual Summary		Critical Split			

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POAM SCHEDULE - DRAFT (March 15, 2019)

ID	Task Name	Task Responsibility	Predecessors	Budgeted Cost	Actual Costs	Remaining Costs	Start	Finish	Budget % Use	% Complete	2017				2018				2019				
											Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
71	Design and Location Siting	Stetson		\$16,300.00	\$2,968.00	\$13,332.00	Thu 10/4/18	Thu 2/7/19	18%	100%													
72	Equipment Purchase	Stetson	71	\$29,700.00	\$690.00	\$29,010.00	Thu 2/7/19	Wed 4/17/19	2%	55%													
73	Installation and Testing	Stetson	72	\$22,700.00	\$0.00	\$22,700.00	Wed 4/17/19	Wed 5/15/19	0%	0%													
74	Water Quality and Stable Isotope Sampling and Analysis	-		\$108,700.00	\$17,538.00	\$91,162.00	Thu 10/4/18	Mon 8/5/19	16%	50%													
75	Discussion of Sampling	TAC		\$0.00	\$0.00	\$0.00	Thu 10/4/18	Thu 11/1/18		100%													
76	Surface and Groundwater Sampling	Stetson	75	\$81,500.00	\$17,538.00	\$63,962.00	Thu 2/7/19	Wed 5/15/19	22%	33%													
77	Geochemical Reaction and Transport Analysis	DRI	76	\$27,200.00	\$0.00	\$27,200.00	Wed 5/15/19	Mon 8/5/19	0%	0%													
78	Aquifer Tests	-		\$172,300.00	\$943.00	\$171,357.00	Thu 10/4/18	Thu 8/1/19	1%	50%													
79	Discussion of Test Locations	TAC		\$0.00	\$0.00	\$0.00	Thu 10/4/18	Mon 11/5/18		100%													
80	Prepare Aquifer Test Work Plan	Stetson		\$36,100.00	\$943.00	\$35,157.00	Thu 10/4/18	Wed 5/15/19	3%	50%													
81	Perform Aquifer Testing	Stetson	80	\$136,200.00	\$0.00	\$136,200.00	Wed 5/15/19	Thu 8/1/19	0%	0%													
82	Task 4.4 Imported Water Study	-		\$175,000.00	\$121,828.00	\$53,172.00	Fri 12/15/17	Fri 3/15/19	70%	100%													
83	Evaluate Potential Imported Water Supply Sources	Stetson		\$75,000.00	\$75,000.00	\$0.00	Fri 12/15/17	Thu 7/12/18	100%	100%													
84	Evaluate Water Banking Alternatives and Extraction Schedule	Stetson	83FF	\$25,000.00	\$25,000.00	\$0.00	Mon 1/1/18	Thu 7/12/18	100%	100%													
85	Discussion and Recommendation of Imported Water Feasibility	TAC	86FF	\$0.00	\$0.00	\$0.00	Thu 3/22/18	Thu 9/6/18		100%													
86	Evaluate Infrastructure Requirements	Stetson		\$25,000.00	\$21,828.00	\$3,172.00	Tue 5/1/18	Thu 8/2/18	87%	100%													
87	Prepare Technical Memorandum	Stetson	85,83,84	\$50,000.00	\$0.00	\$50,000.00	Thu 9/6/18	Fri 3/15/19	0%	0%													
88	Discussion and Recommendation of Imported Water Policy and Outreach			\$0.00	\$0.00	\$0.00	Mon 10/1/18	Thu 2/7/19		100%													
89	Task 4.5 Recycled Water Study	-		\$61,000.00	\$60,984.00	\$16.00	Fri 12/15/17	Thu 2/7/19	100%	100%													
90	Existing Supply and Demand Analysis	Stetson		\$6,600.00	\$6,600.00	\$0.00	Fri 12/15/17	Tue 1/30/18	100%	100%													
91	Identify Existing Recycled Water Infrastructure and Users	Stetson	90	\$6,000.00	\$6,000.00	\$0.00	Wed 1/31/18	Wed 2/28/18	100%	100%													
92	Review Regulatory and Institutional Requirements	Stetson	90	\$3,400.00	\$3,400.00	\$0.00	Wed 1/31/18	Wed 2/28/18	100%	100%													
93	Identify and Evaluate Potential Recycled Water Users	Stetson / IWVGA	91,92	\$20,000.00	\$20,000.00	\$0.00	Thu 3/1/18	Tue 5/1/18	100%	100%													
94	Discussion and Recommendation of Recycled Water Feasibility	TAC	90,91,93FF	\$0.00	\$0.00	\$0.00	Thu 3/1/18	Thu 7/12/18		100%													
95	Prepare Technical Memorandum	Stetson	93	\$25,000.00	\$24,984.00	\$16.00	Wed 5/2/18	Fri 7/20/18	100%	100%													
96	Discussion and Recommendation of Recycled Water Policy and Outreach	PAC		\$0.00	\$0.00	\$0.00	Mon 10/1/18	Thu 2/7/19		100%													
97	Task 4.6 Prepare Draft GSP Chapters	-		\$135,300.00	\$44,659.00	\$90,641.00	Tue 9/4/18	Fri 6/28/19	33%	60%													
98	GSP Report Preparation: Prepare Introduction Chapter	Stetson		\$1,200.00	\$1,057.00	\$143.00	Tue 9/4/18	Fri 12/14/18	88%	100%													
99	Prepare Plan Area and Basin Setting Chapter	Stetson	10,33FS-66 days	\$16,200.00	\$12,925.00	\$3,275.00	Thu 11/8/18	Fri 4/12/19	80%	80%													
100	Prepare Projects and Management Actions to Achieve Sustainability Goal Chapter	Stetson	85,94,50,44	\$50,000.00	\$22,577.00	\$27,423.00	Thu 4/4/19	Mon 6/3/19	45%	0%													
101	Prepare Sustainable Management Criteria Chapter	Stetson	47,50	\$30,000.00	\$7,500.00	\$22,500.00	Thu 4/4/19	Mon 6/3/19	25%	0%													
102	Plan Implementation			\$35,000.00	\$600.00	\$34,400.00	Fri 12/7/18	Fri 6/28/19	2%	43%													
103	Discussion and Recommendation of Plan Implementation	TAC/PAC		\$0.00	\$0.00	\$0.00	Fri 12/7/18	Thu 6/6/19		53%													

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Task		Rolled Up Milestone		Inactive Milestone		Start-only		Baseline	
Critical Task		Rolled Up Progress		Inactive Summary		Finish-only		Baseline Milestone	
Milestone		Split		Manual Task		External Tasks		Baseline Summary	
Summary		External Tasks		Duration-only		External Milestone		Progress	
Rolled Up Task		Project Summary		Manual Summary Rollup		Critical		Deadline	
Rolled Up Critical Task		Group By Summary		Manual Summary		Critical Split			

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ID	Task Name	Task Responsibility	Predecessors	Budgeted Cost	Actual Costs	Remaining Costs	Start	Finish	Budget % Use	% Complete	2017				2018				2019			
											Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
104	GSP Report Preparation: Prepare Plan Implementation Chapter	Stetson	103FS-23 days,50	\$35,000.00	\$600.00	\$34,400.00	Tue 5/7/19	Fri 6/28/19	2%	0%												
105	GSP Report Preparation: Prepare References and Technical Studies Chapter	Stetson		\$2,000.00	\$0.00	\$2,000.00	Mon 6/3/19	Fri 6/28/19	0%	0%												
106	GSP Report Preparation: Prepare Executive Summary Chapter	Stetson		\$900.00	\$0.00	\$900.00	Mon 6/3/19	Fri 6/28/19	0%	0%												
107	Task 4.7 GSP Report Preparation: Develop Draft and Final GSP	-		\$31,300.00	\$5,956.00	\$25,344.00	Fri 6/28/19	Mon 8/26/19	19%	0%												
108	Prepare Review Draft GSP Report	Stetson	9,100,101,104,105	\$31,300.00	\$5,956.00	\$25,344.00	Fri 6/28/19	Wed 7/31/19	19%	0%												
109	Submit Review Draft GSP Report to IWVGA Board, TAC, and PAC	Stetson	108	\$0.00	\$0.00	\$0.00	Thu 8/1/19	Thu 8/1/19		0%												
110	Review Draft Comment Period	IWVGA/TAC/PAC	109	\$0.00	\$0.00	\$0.00	Fri 8/2/19	Thu 8/15/19		0%												
111	Prepare Final Draft GSP Report	Stetson	110	\$0.00	\$0.00	\$0.00	Fri 8/16/19	Mon 8/26/19		0%												
112	Task 4.8 Public Hearing and Adoption of Plan	-		\$0.00	\$0.00	\$0.00	Mon 8/26/19	Mon 12/30/19		0%												
113	Submit 90-Day Notice of Public Hearing	IWVGA	111	\$0.00	\$0.00	\$0.00	Mon 8/26/19	Mon 8/26/19		0%												
114	Public Hearing	IWVGA	113FS+65 days	\$0.00	\$0.00	\$0.00	Mon 11/25/19	Mon 11/25/19		0%												
115	Prepare Final GSP Report (Incorporate Public Input)	Stetson	114	\$0.00	\$0.00	\$0.00	Tue 11/26/19	Wed 12/18/19		0%												
116	IWVGA Approval	IWVGA	115	\$0.00	\$0.00	\$0.00	Thu 12/19/19	Fri 12/27/19		0%												
117	Submit Final GSP to DWR		116	\$0.00	\$0.00	\$0.00	Mon 12/30/19	Mon 12/30/19		0%												
118	Task 5.0 SDAC Projects	-		\$646,000.00	\$33,101.00	\$612,899.00	Mon 10/9/17	Fri 12/27/19	5%	64%												
119	Water Conservation and Rebate Program	IWVGA/Stetson		\$206,000.00	\$15,118.00	\$190,882.00	Mon 10/9/17	Fri 12/27/19	7%	64%												
120	Water Audit, Leak Detection, and Leak Repair Program	IWVGA/Stetson		\$440,000.00	\$17,983.00	\$422,017.00	Mon 10/9/17	Fri 12/27/19	4%	64%												
121	Task 6.0 IWVGA Project Management and Administrative Tasks	-		\$416,766.00	\$268,389.71	\$148,376.29	Tue 8/1/17	Fri 12/27/19	64%	67%												
122	Consultant Management and GSP Development	IWVGA		\$24,500.00	\$15,750.00	\$8,750.00	Tue 8/1/17	Fri 12/27/19	64%	67%												
123	Financial Management	IWVGA		\$8,500.00	\$5,464.29	\$3,035.71	Tue 8/1/17	Fri 12/27/19	64%	67%												
124	Budget Development and Administration	IWVGA		\$12,500.00	\$8,035.71	\$4,464.29	Tue 8/1/17	Fri 12/27/19	64%	67%												
125	Schedule/Budget Management	Stetson		\$52,000.00	\$27,585.00	\$24,415.00	Tue 8/1/17	Fri 12/27/19	53%	67%												
126	General Project Management	Stetson		\$74,800.00	\$54,398.00	\$20,402.00	Tue 8/1/17	Fri 12/27/19	73%	67%												
127	Travel	IWVGA		\$6,000.00	\$3,857.14	\$2,142.86	Tue 8/1/17	Fri 12/27/19	64%	67%												
128	Insurance	IWVGA		\$15,000.00	\$9,642.86	\$5,357.14	Tue 8/1/17	Fri 12/27/19	64%	67%												
129	Conferences/Training	IWVGA		\$3,000.00	\$1,928.57	\$1,071.43	Tue 8/1/17	Fri 12/27/19	64%	67%												
130	Miscellaneous	IWVGA		\$10,000.00	\$6,428.57	\$3,571.43	Tue 8/1/17	Fri 12/27/19	64%	67%												
131	City of Ridgecrest Services	Ridgecrest		\$210,466.00	\$135,299.57	\$75,166.43	Tue 8/1/17	Fri 12/27/19	64%	67%												
132	Task 7.0 Legal Services	IWVGA		\$200,000.00	\$0.00	\$200,000.00	Tue 8/1/17	Fri 12/27/19	0%	67%												
133	Task 8.0 Stakeholder/Authority Coordination	-		\$289,250.00	\$305,544.29	(\$16,294.29)	Tue 8/1/17	Fri 12/27/19	106%	67%												
134	IWVGA/TAC/PAC Coordination	Stetson		\$144,250.00	\$248,740.00	(\$104,490.00)	Tue 8/1/17	Fri 12/27/19	172%	100%												
135	GSA Baord Meetings	IWVGA		\$42,000.00	\$27,000.00	\$15,000.00	Tue 8/1/17	Fri 12/27/19	64%	67%												
136	PAC/TAC Meetings	IWVGA		\$19,000.00	\$12,214.29	\$6,785.71	Tue 8/1/17	Fri 12/27/19	64%	67%												
137	Community Outreach	IWVGA		\$21,000.00	\$13,500.00	\$7,500.00	Tue 8/1/17	Fri 12/27/19	64%	67%												
138	Stakeholder Coordination	Stetson		\$63,000.00	\$4,090.00	\$58,910.00	Tue 8/1/17	Fri 12/27/19	6%	67%												
139	Task 9.0 Groundwater Pumping Fee Support	Stetson		\$121,500.00	\$125,884.00	(\$4,384.00)	Tue 8/1/17	Fri 12/27/19	104%	67%												

Project: POAM billing data as of 01/31/19
Date: Fri 3/15/19

Task		Rolled Up Milestone		Inactive Milestone		Start-only		Baseline	
Critical Task		Rolled Up Progress		Inactive Summary		Finish-only		Baseline Milestone	
Milestone		Split		Manual Task		External Tasks		Baseline Summary	
Summary		External Tasks		Duration-only		External Milestone		Progress	
Rolled Up Task		Project Summary		Manual Summary Rollup		Critical		Deadline	
Rolled Up Critical Task		Group By Summary		Manual Summary		Critical Split			

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IWVGA Board Meeting May 16, 2019

► Prop 1 Status/Schedule

- Invoice #1 Approved on 5/9/2019
- Total Invoice Amount: \$372,851.88
- Total Payment to be Received: \$335,566.69
- Current Status: DWR Payment Processing
- Anticipated Receipt of Payment: Late May or June, 2019
- Next Steps: Invoice #2 covering October 2018 through March 2019

AGENDA ITEM 4b

1

IWVGA Board Meeting May 16, 2019

► Pumping Fee Status

- Registration Status (as of 05/10/19)
 - 52 registered accounts
 - 23 accounts not registered
 - Believed to be non de-minimis based on criteria
 - Possible that some are de minimis
 - Additional voluntary de minimis registration forms have been received
- Total Payment Received to Date: ~\$244,500

AGENDA ITEM 4c

2

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**Indian Wells Valley Groundwater Authority
April 2019 Financial Report**

	Project Budget/ POAM	Pre-FY 2018	FY 2018	2019 Budget	FYTD through April
Beginning Balance				231,368	476,713
County of Kern Advance	500,000	-	254,655	245,345	-
IWVWD Advance	500,000	-	500,000	-	-
Navy in-Kind	1,097,300	-	620,600	476,700	-
IWVWD In-kind	80,000	-	80,000	-	-
Initial Member Contribution	75,000	75,000	-	-	-
Beginning Balance	1,252,300	75,000	1,455,255	953,413	476,713
Revenues					
DWR	249,950	-	225,501	24,449	
Prop 1 Grant	2,146,000	-	-	931,325	
-GSP Preparation @ \$1,500,000					
-SDAC @ \$646,000					
Assessment Pumping Fee	1,522,384	-	121,788	762,973	111,722
Total Revenue	3,918,334	-	347,288	1,718,747	111,722
Expenses					
Task 1- Initial GSP Support Studies	167,600	19,341	188,065	(39,805)	13,924
Task 2- Proposition 1 SGMA GSP Development Grant	102,880	27,280	50,481	25,119	12,191
Task 3- Data Management System	371,105	3,686	75,143	292,276	20,768
Task 4- GSP Development and Submittal	2,505,700	12,136	860,130	1,633,434	274,864
Task 5- SDAC Projects	646,000	1,969	45,073	598,959	2,450
Task 6- IWVGA Project Management and Administrative Tasks	206,300	8,953	124,441	72,906	90,221
- City of Ridgecrest Reimbursement	210,466	-	-	-	
Task 7- Legal Services	200,000	-	12,878	187,123	39,198
Task 8- Stakeholder/Authority Coordination	289,250	-	29,424	259,826	
- Additional PAC/TAC/Board Meeting Support	100,000	-	-	100,000	
- Additional Pump Fee Support	36,000	-	-	36,000	
Task 9- Groundwater Pumping Fee Support	121,500	-	98,032	23,468	85,123
Stetson- TSS Support	17,464	-	-	14,700	
Stetson- Brackish Water Support	47,088	-	-	30,000	
Stetson- Imported Water Coordination	48,710	-	-	45,000	
Stetson- Allocation Process Support	104,015	-	-	50,000	
Stetson- Navy-Coso Funding Support	13,382	-	-	10,000	
Auditing Services & IWVWD Reimbursement for Website fees					6,276 -Unbudget
Banking Fees	60	-	60	-	
Addtl Insurance Cost	2,000	-	-	2,000	9,967
PAC & TAC Meeting Costs	7,470	-	-	7,470	
Water Marketing	230,000	-	-	230,000	
Undocumented Expenditures (pre-FY2018)	-	635	-	-	
Total Expenses	5,426,990	74,000	1,483,725	3,578,475	554,981
Reserve Requirements				227,268	
Ending Balance	(256,356)			(1,133,583)	33,454
Unpaid Invoices					
Stetson Inv# 2652-18 03/07/19					89,203.59
Stetson Inv# 2652-19 04/02/19					92,542.40
Stetson Inv# 2652-20 05/03/20					101,799.45
RWG Law					13,552.50
City of Ridgecrest					913.00
City of Ridgecrest					747.00
Capitol Core Group					11,466.26
					310,224.20

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Item 1. Call to Order

All members were present with the exception of voting members Lyle Fisher and James Mower, and non-voting member Ryan Klaush.

Item 2. Open Public Comment (Not Related to Other Agenda Items)

None Received.

Item 3. Approval of PAC Meeting Minutes.

Final Draft minutes for the February and March meetings were distributed for review. The April minutes were reviewed. All will be updated and posted in time for approval at the June meeting.

Item 4. Allocation Status Review and Update

4.a. Review Individual Submitted Comments from Allocation Discussions during the April PAC Meeting

None received.

4.b. Review Update Report and Any Assignment from Mr. Markman Resulting from the April 26 Attorney Meeting

Mr. Markman provided a written report summary update for the meeting held on April 26. His report is attached for accuracy and completeness. The report outlines 2 of the 3 management action modeling scenarios directed by the IWVGA following the April 18 meeting. Both scenarios were discussed as part of agenda item 6 for context and clarity.

Item 5. Draft GSP Chapter Review and Update

No update was presented. As reported at the TAC, the WRM intends to present a draft of chapter 3, and potentially chapter 2, at the next TAC and PAC meetings, June 6.

Item 6. Review POA&M Items #35 and #49 Progress

No update was received on item #35 (Hydrogeologic Conceptual Model). Item #49 (Baseline and Management Action Modeling) was addressed. A summary brief of the management action modeling presentation by the WRM (at the earlier TAC meeting) was provided. Coordination of the technical and legal allocation team efforts were outlined, including the impasse factors, schedule challenges, GA Director concerns, and the 3 scenarios selected to begin execution the week of 22 April.

Member comments included:

- a. Concern with the accuracy and sources of the “minimum water uses” data (2016 baseline slide).
- b. Noted the severe drastic nature and impact of the last new scenario (“nuclear option”). We now have examples of worst-case “bookends” on each end of the modeling spectrum: the unconstrained “baseline” model on one hand, and the “nuclear” model on the other. It was also noted that the “nuclear” option still did not get the basin into full balance with safe yield, would likely be very expensive and engender extreme emotional resistance, even from small AG users.
- c. The original management action model scenarios 1 and 2, and new model 4, are all closer to a middle ground range of options.
- d. For modeling purposes, deminimis users should be allocated up to the full 2AF/yr, unless they should be restricted to something less. Options to limit deminimis use should be considered.
- e. Nick Panzer provided written questions that are attached to this report.

Item 7. Shallow Well Impact Mitigation Plan Ad-Hoc Subcommittee Report

An Ad-Hoc subcommittee was appointed at the April PAC meeting to:

- a. complete an in-depth review of the draft policy outline, and make recommendations regarding,
- b. evaluation of well owner responsibilities for impacted shallow wells (post-GSP adoption),
- c. funding options, and
- d. how to evaluate previously impacted shallow wells (pre-GSP adoption).

The Ad-Hoc sub-committee is comprised of: Judie Decker, Josh Nugent, Pat Quist, and West Katzenstein. The committee met and their written report is attached. The committee was divided regarding their understanding of the full scope of the tasking.

Essentially, the committee agreed that the draft plan was acceptable with minor changes, but were unclear regarding more in-depth recommendations for tasks b, c, and d. The report is attached.

Discussion included a number of observations regarding funding for mitigation efforts. Options may include the entire basin or perhaps management zones/localized hydrogeologic sub-basin management zones? The overall issue of allowable growth in the basin was also discussed.

Discussion finally centered on whether the committee should continue with more clear focus and direction from the PAC, as a whole.

- **The PAC agreed that the subcommittee re-assemble to make recommended options for three key areas in the outline plan:**
 - evaluation of well owner responsibilities for impacted shallow wells (post-GSP adoption),
 - how to evaluate previously impacted shallow wells (pre-GSP adoption),
 - potential options for consideration to provide funds for mitigation of impacted shallow wells, including managed community growth fees.
- **The PAC also agreed to request the GA to begin to address the overall issue of allowable growth and how that should be managed under the GSP, given the basin is in critical overdraft and the potential negative impacts to the primary employer in the valley.**

Item 8. Imported Water Update

The consultant firm has been moving forward regarding the feasibility and cost estimates for imported water in the IWW. They have recently made visits with senior leadership at LADWP and NAWIS China Lake, and are meeting with State Senator Grove and Assemblyman Fong this week in Sacramento. They will be attending the Association of California Water Agencies semi-annual conference in Monterey the week of May 6, meeting with potential partners for water import. They are planning to meet with federal representatives later this month in Washington, DC.

Item 9. Future Agenda Items

- Review and approval of previous meeting minutes
- Allocation status update. Review and new progress
- Shallow Well Impact Mitigation Plan Ad-Hoc Subcommittee Report
- Draft GSP Chapter review (2 scheduled)
- POA&M items 35 and 49 review and comment
- Imported Water Status Update

Item 10. Future PAC meeting dates

June 6, June 27 (replacement for July 4 meeting), August 1.

Item 11. Member Comment

- Judie Decker reported that all the EKCRC historical well records have been delivered to the Water Resources Manager for use in augmenting the model database. She also reported that the EKCRC Board is now back to full strength with 7 Directors.
- Raj Jonnalagadda will be providing additional comments to Stetson regarding the Isotopic Hydrogeologic Sample Analysis presented at the TAC today.
- West Katzenstein noted that there will be policy questions for PAC consideration about helping to set minimum thresholds, especially for domestic/demimimis wells.
- Nick Panzer provided a written submission for his questions regarding the modeling scenarios discussed under agenda item 6 for attachment to the minutes. Nick also reported that former PAC Chair Donna Thomas has returned from 4 months in Maryland with family and is doing very well.
- Pat Quist noted that the “bookend” scenarios would be disastrous for the community and we should all be working to the middle ground.
- Don Zdeba updated the status of the draft domestic well owner postcard for public outreach regarding the benefits of well registration, as directed by the GA at the April Board meeting. Don also noted that DWP indicated that snowpack was not as high as originally reported and they would not be releasing water in the IWV this year.

Item 12. Meeting Adjourned.

Submitted by: David Janiec, IWVGA PAC Chair, 11 MAY 2019

Report on Attorneys' Water Production Allocation Meeting on April 26, 2019

These notes reflect discussions which occurred at the above-referenced meeting. The statements made and positions taken continue to be inadmissible in any proceeding in accordance with the agreement of the parties to the discussions. Further, no statement made or position taken may be construed as binding on or a constraint to any party with respect to continued negotiations, administrative processes or litigation. Following is the subject report.

First, the representatives of Meadowbrook and Mojave Pistachios informed the group that they had not met to discuss the possible merger of their interests in the pumping allocations made for various reasons. So, there was nothing more to report on that process.

Next, the Authority's representative informed the group of the following proposed pumping allocation structure which could receive the Authority Board's support following public input and PAC input:

The core principle of this option would be to afford the opportunity for agricultural uses to continue for a prescribed period of time in order to generate agreement and settle the issue of allocation of pumping rights. The other characteristics of this option are the following:

- a. The base amount allocated would be calculated as the lowest amount of production in any year from 2010 through 2014.
- b. This would eliminate Mojave Pistachio production due to lack of production in several of the years to which the calculation applied except for some potential production related to alfalfa farming.
- c. Some small agriculture may have a base allocation based on continuous farming; however, the total amount of that allocation is not known.
- d. Production rights would be made transferrable which would give Mojave Pistachio and Searles an opportunity to continue using water during a rampdown period.
- e. The Navy's pumping on the base would be exempt from any rampdown and 86% of the pumping by the District and domestic Mutual Water Companies and Trona would be protected based on multiple legal bases.
- f. The City's overlying production right would be exempt from rampdown since the City's overlying right is not subject to prescriptive rights claims. De minimus pumps would not be ramped down.

g. No reduction in base production rights would begin until the first full year commencing after approval of the Implementation Plan by DWR or by January 1 2022, whichever is earlier.

h. The rampdown period would be set at 6 years and would reduce pumping by 1/6 from the base amount allowed in 2021 to the allowed amount in 2022. Each year thereafter the pumping right would be reduced by 1/6 of the original base amount so that there would be an allocation of zero in 2027.

This option uses the continued water production as a settlement incentive.

The group was then informed that absent a settled resolution, the Authority Board would consider an option which simply would eliminate all pumping upon DWR approving the Implementation Plan except pumping for municipal use which would include de minimis residential wells, 86% of the pumping by the Water District and domestic Mutual Water Companies serving residences, the City's overlying pumping and pumping on the Navy Base.

It is understood that this approach would be the one most likely to generate litigation and that understanding is the basis for the suggestion made that the first option specified above be carefully considered as the basis for settlement.

It was then stated that model runs would be made reflecting both of the above stated options and the White Paper approach.

The group was informed that the Authority Board wants to move this part of the process forward promptly, contemplating public presentations and hearings in June if possible.

There also was a discussion that made it clear that a purchase or condemnation of agricultural property always presents itself as an alternative to the discussed approaches.

Meadowbrook then indicated that that company would be presenting an alternative approach concerning its production to counsel for the Authority Board within a month.

Finally, and importantly, it was noted that either of the approaches discussed would still leave a deficit in present water demand by municipal suppliers of approximately 2,000 acre feet per year and that that amount does not include the continued need of Searles for industrial water. Accordingly, there still will be a need for a supplemental imported water supply.

The next meeting was set to occur in Keith Lemieux's office at 10 a.m. on May 23.

April 24, 20 19

PAC ad hoc meeting Subject: Draft Preliminary Shallow Well Mitigation Plan

From : Judie Decker, committee member

Present: Pat Quist, Josh Nugent, West Katzenstein, Judie Decker

There was much discussion of this draft document, and perhaps some misunderstanding of what we were tasked to do. The meeting progressed smoothly once it was understood that the purpose of the mitigation plan is not to decide which wells can be mitigated, but rather how to assess failed wells already chosen for mitigation. Some thought we were to add much detail to the items line by line while others thought we were to agree with it with potential minor changes.

In the end it was agreed that the Plan was acceptable as is with minor changes.

Mitigation Fees for growth/water use

The group discussed the fact that other areas that had water issues required builders to purchase water rights to help mitigate overdraft. In some areas property cannot be developed until water rights for the property are purchased.. In some areas well must be registered before the sale of property is finalized, including when the property changes ownership.

The group feels strongly that the GA Board and the PAC need to discuss the above mentioned issues and answer the question below. How can the County, the City, and the Water District permit growth without mitigation to the existing overdraft problem?

From: Nick Panzer to Fellow PAC Members

Date: May 2, 2019

Subject: PAC Meeting May 2, 2019; Agenda Item 4 (Allocation Status Review); Questions for WRM Concerning WRM Modeling Scenarios dated May 2, 2019.

Model Run No. 3 (White Paper)

Come 2039, how is the 7,650 natural recharge allocated to specific pumpers and to specific reserves for the likes of modeling errors, base demand variability, and climate change?

What is the point in “evaluating impacts” to sustainability indicators without also knowing the impact upon specific **uses** such as health and safety? SGMA Regs require analysis of impacts on **uses** and users (read pumpers).

Model Run No. 4 (coordinated)

Who specifically are the Protected and the Unprotected pumpers? What is the projected pumping allocation for each Protected and Unprotected pumper for 2022?

Who will incur the costs to recycle water, and thereby become its owner? From whom will the owner recover those costs? What is the projected cost of delivered recycled water on a per acre foot basis?

Come 2040, how is the 7,650 natural recharge allocated to specific pumpers and to specific reserves for the likes of modeling errors, base demand variability, and climate change? The answer to this question is crucial should imports prove to lack financial feasibility.

Will the GA incur the costs to import 4,350 afy (12,000-7650) of water, and thereby become its owner? If not the GA, then whom? What is the end user projected cost of import water on a per acre foot basis? How and from whom specifically will the owner recover its costs? SGMA Reg. 354.44.(b)(6) demands an explanation of the source and reliability of import water as a condition of a GSP’s reliance upon it. What is that explanation?

What is the point in “evaluating impacts” to sustainability indicators and shallow wells without also knowing the impact upon specific **uses** such as health and safety? SGMA Regs require analysis of impacts on **uses** and users as explained above under Model Run No.3.

Model Run No. 5 (Immediate Action)

Same comments and questions as last four paragraphs under Model Run No. 4, plus this. Our GSP should be updated to include import water only if and when the GA secures a reliable and financially feasible source of import water within the meaning of Reg. 354.44.(b)(6).

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INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

Ridgecrest City Hall, 100 W. California Ave, Ridgecrest, CA 93555

TECHNICAL ADVISORY COMMITTEE REPORT

May 16, 2019 Report

- Item 1: Call to Order of the May 2, 2019 meeting.
 - Present: Adam Bingham (Chairman), Eddy Teasdale, Don Decker, Tim Parker, Don Quist, Earl Wilson, Scott O'Neil, Stephan Bork, and Anthony Brown as alternate for Wade Major
 - Unable to attend: Michelle Anderson.
 - No Rand Community Water District Representative.
- Item 2: No Public Comments at this time.
- Item 3: WRM Discussion of GSP
 - Data Gap Status Report:
 - Jean Moran provided presentations on data gap management, aquifer testing, and groundwater sampling.
 - Proper and useful aquifer testing must include two monitor wells nearby each other for proper data that will be used in modeling and the GSP. Well locations on available land as close as possible to SkyTEM flight path locations is essential to meet DWR objectives for funding the well.
 - TAC members commented about potential use of Ag and IWVWD wells for aquifer testing. TAC members were requested to coordinate with the WRM if they knew of production wells coming on-line that could provide an aquifer test location/situation.
 - TDS sampling at domestic wells during the late summer/early fall was discussed.
 - The TSS monitoring well costs exceed DWR funding. Costs must be reduced and the number of potential piezometer wells along with depths will be reduced.
 - A meeting with the BLM regarding stream gauges is forthcoming.
 - Public comments regarding other existing monitoring well locations in critical areas may be helpful for testing. Transducer data is also helpful such as KCWA data also WellIntel data.
 - Isotope Sampling:
 - Jenny Chapman of DRI provided the Existing Isotope Data presentation and discussion for developing the Prop 1 Sampling Plan. All available historic and recent available isotope data from multiple studies was reviewed and evaluated. The existing data will be used to identify data gaps and design additional data collection and analysis as specified in the grant scope.
 - TAC comments regarding new aquifer testing as an opportunity for new isotope data, as well as noble gas sampling. Careful review of available organic and inorganic isotopes suggested if needed. DRI responded that the IWV contains a very large amount of data that is quite extensive.

IWVGA TAC COMMITTEE
Meeting Report – May 16, 2019

- TAC commented that the Department of Water Resources is generally open for evaluation of groundwater and recommendations that change the scope of work for the approved Prop 1 funds.
- GSP Monitoring Network/Sustainable Management Criteria:
 - Heather Steele provided the GSP Monitoring Network presentation which identified Minimum Threshold objective requirements, desired conditions goals and possible undesirable results that could occur. Key Wells must be chosen for monitoring groundwater elevation levels and setting other sustainable management criteria. Groundwater levels can be used as the proxy for other sustainability indicators and metric requirements. GDEs will also need to be addressed through the sustainable management criteria.
 - Jean Moran provided a presentation on CASGEM well hydrographs. The CASGEM wells will be used for GSP monitoring network. TAC commented on data gaps on the NAWS China Lake and in the El Paso subbasin. Additional key wells may be provided by the Navy and other groundwater users in the basin. TAC members provided additional suggested wells for monitoring network.
 - TAC discussion and public comment regarding the process and timeline of setting sustainable management criteria and modeling management actions. Steve Johnson stated the model scenarios are used to assist determination of the GSP requirements and that the modeling scenarios and the establishment of sustainable management criteria are interlinked and will be analysed in tandem. Steve Johnson indicated the GA Board is open to additional model runs beyond the current scope if deemed necessary and important.
- Land Subsidence:
 - Steve Bacon of DRI provided a land subsidence presentation. Quaternary deposition and geomorphology with subsidence information both tectonic settings including historical seismic fault movements, Coso volcanic zones, and groundwater use were presented. InSAR data was presented regarding surface impact and subsidence.
 - TAC discussion on pumping verses seismic impact and whether land subsidence is a priority for this basin. TAC recommendation to establish more reference monuments. TAC commented that DWR has committed to providing free INSAR data.
 - Stephan Bork discussed the Navy's plan for land subsidence monitoring with Navy-Coso Royalty funding. Scott O'Neil recommended the Navy and the China Lake Alliance set up a meeting to discuss this project and future projects with the Navy-Coso Royalty funding.
 - Public Comments regarding subsidence due to tectonics may affect water level decline in some manner.
- GSP Report Update:
 - Heather Steele provided a brief update on the schedule delays and indicated GSP Sections are to be distributed for review in the next weeks.

IWVGA TAC COMMITTEE
Meeting Report – May 16, 2019

- Modeling Scenarios:
 - Steve Johnson provided update on status and schedule of allocation discussions, impasse factors that have impacted the schedule, and Board direction.
 - The next three modeling scenarios planned were presented. Modeling results will be presented to the GA board for evaluation of next steps and implementation plan approach.
 - TAC and Public Comments: Frustration that Board did not utilize TAC for model scenario development.
- Item 4: Future Agenda Items
 - No changes at this time but they may occur as needed for GSP requirements.
- Item 5: Future TAC Meeting Dates
 - Current future meetings scheduled for June 6th and 27th (the July replacement date) and August 1st.
- Item 6: Final WRM & TAC Announcements and Comments
 - WRM: No comments.
 - TAC Members:
 - Eddy Teasdale: Expressed frustration that TAC was not used to determine next modeling runs.
 - Anthony Brown: Discussed Brackish Water Group upcoming presentation.
 - Tim Parker: Commented on upcoming SGMA Summit conference. Requested TAC comments on draft Brackish Water HCM by May 17th.
 - No comments Don Quist, Stephan Bork, Don Decker, Earl Wilson, Scott O’Neil, and Adam Bingham.
- Item 7: Meeting adjourned around 5:15 pm.

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