

# 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, July 19, 2018

Open Session 10:00 a.m.

**Pursuant To California Government Code 54953(B)(1) An Additional Call In Location Has Been Established For A Council Member Who Will Attend This Meeting Via Teleconference At The Following Location – County of San Bernardino Government Center, CAO Conference Room, 385 N. Arrowhead Ave., 5th Floor, San Bernardino, CA 92415-0120**

*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 Ricca Charlon at (760) 499-5002. 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://iwvga.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

### 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.

**IWVGA Board of Directors  
Meeting of July 19, 2018**

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**3. CONSENT AGENDA**

- a. Approve Minutes of Board Meeting June 21, 2018
- b. Approve Expenditures
  - i. Packwrap - \$169.65
  - ii. Stetson Engineering – \$88,912.33
  - iii. A. Christensen - \$285.00
- c. Financial Report
- d. Waive Further Reading. Recommendation: After Legal Counsel has read the title, waive full reading of ordinances considered on this agenda for introduction on first reading or adoption on second reading

**4. WATER RESOURCES MANAGER REPORT**

- a. Report/Discussion on Plan of Action and Milestones (POAM)
- b. Report on Submittal of Proposition 1 Grant Application Status
- c. Discussion/Approval of Draft Well Registration Form, Reporting Form and Draft FAQ
- d. TSS Grant Application Status
- e. Alternative/Imported Water Report

**5. SECOND READING AND ADOPTION, ORDINANCE NO. 02-18, ESTABLISHING GROUNDWATER EXTRACTION FEES AND THE RULES, REGULATIONS AND PROCEDURES FOR THEIR IMPOSITION**

**6. APPROVAL OF AN ASSESSMENT ADVANCE AGREEMENT WITH THE COUNTY OF KERN**

**7. REVIEW OF PROTOCOL FOR TAC MEETINGS**

**8. DISCUSSION ON USE OF KERN COUNTY PUBLIC HEALTH BUILDING ON RIDGECREST BLVD. AS THE IWVGA LOCAL OFFICE WHEN NEW GENERAL MANAGER IS HIRED**

**9. REPORT FROM TECHNICAL ADVISORY COMMITTEE (TAC)**

**10. REPORT FROM POLICY ADVISORY COMMITTEE (PAC)**

**11. GENERAL MANAGER'S REPORT**

**12. CLOSING COMMENTS**

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

**13. DATE AND TIME OF NEXT MEETING – August 16, 2018; 10:00 a.m.**

**14. CLOSED SESSION**

Government Code § 54957 - Public Employment - General Manager

**15. ADJOURN**

# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

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

## BOARD OF DIRECTORS

### MINUTES

**Thursday, June 21, 2018, 10:00 a.m.**

#### **IWVGA Members Present:**

Commander Brian Longbottom, Dept. of the Navy	Mick Gleason, Kern County
Peter Brown, Indian Wells Valley Water District	Bob Page, San Bernardino County
Chairperson Peggy Breeden, City of Ridgecrest	Ron Strand, IWVGA General Manager
Stephen Johnson, IWVGA Water Resources Manager	Lauren Duffy, IWVGA Board Clerk
Lloyd Pilchen, City of Ridgecrest Legal Counsel	Ryan Klausch, BLM
Bob Harrington, Inyo 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 Chairwoman Breeden at 10:00 a.m.

With no public comment made, Chairperson Breeden calls the meeting into Closed Session at 10:01 a.m.

#### **2. CLOSED SESSION:**

- a. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED 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.

The meeting is recalled to Open Session at 11:04 a.m.

Lloyd Pilchen reports that no action was taken that would require disclosure under the Brown Act.

The Pledge of Allegiance is led by Chairwoman Breeden.

#### **3. PUBLIC COMMENTS:**

Judie Decker comments that the Board should take the suggestions provided by the public and not only study them, but also utilize them.

Penelope LePome comments that the Board needs to explain the need of all the studies being conducted and also improve its public outreach. She further suggests the Board come to an agreement on what sustainability means for this basin.

Harold Manos suggests the IWVGA Board use a tier system, such as used at the Water District, for their pumping fee.

Don Zdeba announces a presentation on interpretation of the geophysical data collected by SkyTEM during the aerial survey conducted last October and a high level overview of the Brackish Groundwater Feasibility Study and the Stanford Groundwater Architectural Project. The presentation will begin at 3:00 p.m. in City Council Chambers.

Eric Bengtson agrees comments that the IWVGA needs to have experts involved more and methods of exporting water need to be looked at.

Stuart Fields comments that in order to conserve water, pumpers must sharply reduce pumping or water must be imported.

Sophia Merk suggests the Board look at San Bernardino's new groundwater pumping statutes.

#### **4. PRESENTATIONS:**

- a. United States Geological Survey (USGS) to update progress on the Recharge Study of the Indian Wells Valley Basin.

Lorrie Flint provides the presentation of progress on the Recharge Study which is available at: <https://iwvga.org/iwvga-meetings/>

The Board hears comments from Don Decker, Will Austin, and Myron King.

#### **5. CONSENT AGENDA:**

- a. Approve Minutes of Board Meeting May 17, 2018
- b. Approve Expenditures
  - i. Stetson Engineering \$75,137.70
  - ii. Daily Independent \$461.76, \$187.53, \$132.60
  - iii. PackWrap \$207.67
- c. Financial Report
- d. Search for Grant Funding to Assist IWVGA Activities

The Financial Report outlines the current IWVGA budget, it does not reflect the cash flow.

The Search for Grant Funding to Assist IWVGA Activities is a report prepared by Alan Christensen outlining his efforts in seeking grant funding for the IWVGA.

Motion made by Mick Gleason and seconded by Peter Brown to approve the Minutes of Board Meeting May 17, 2018, Expenditures in the amount of \$75,137.70 to Stetson Engineering, \$461.76, 187.53, and \$132.60 to Daily Independent, and \$207.67 to Packwrap, the Financial Report, and Search for Grant Funding to Assist IWVGA Activities. Motion carried unanimously. (Ayes: Breeden, Brown, Gleason, Harrington, Page. Nays: None. Absent: None.)

#### **6. WATER REOURCES MANAGER REPORT:**

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

Jeff Helsley provides a report on the updated summary POAM.

**b. Report on Submittal of Proposition 1 Grant Application Status:**

Steve Johnson comments that around 45 days ago the IWVGA received notice from the State that the Proposition 1 Grant funding was approved. Within those 45 days the IWVGA had the chance to review the Grant Application Work Plan and make changes, and also to file environmental documentation.

Since submitting the application in 2017 there had been changes which required for changes to be made to the work plan. The edits made resulted in very minimal changes to the Grant Fund Application, Work Plan, and budget. The changes were submitted to the State and confirmed as received prior to the deadline. The changes made to the work plan were presented to the Technical Advisory Committee (TAC).

Two areas which reduced costs are Stream Gauging and Weather Stations. Instead of new stream gauges there are older ones which can be rehabbed and used. Instead of two new weather stations, the plan now consists of one.

The next step is to execute the actual agreement, which then consists of a progress report and application for monies to be disbursed to the IWVGA.

**c. Discussion/Approval of Draft Well Registration Form, Reporting Form, and Draft FAQ:**

Steve Johnson states that IWVGA staff, Policy Advisory Committee (PAC) members, and TAC members, have provided comments on the Draft Well Registration Form, Reporting Form, and Draft FAQ sheet. The forms have since been revised. All three draft documents have been posted to the IWVGA website, however revisions are still being made and will be posted once available.

**d. TSS Grant Application Status:**

Technical Services Support (TSS) is another Grant opportunity offered through Department of Water Resources (DWR) which was suggested at a previous TAC meeting. TSS provides technical services as well as data and tools to Groundwater Sustainability Agencies (GSA) to build the capacity needed to achieve sustainability.

The application is currently being worked on by Stetson Engineers. The general application consists of services which the IWVGA may want to request. A requirement with the application is that all grant funding received in the basin within the last fifteen or twenty years be documented.

The Board hears comments from Derek Hoffman and Stuart Fields.

**7. CONSIDERATION OF AMENDMENT TO ADVANCED FUNDS AGREEMENT WITH INDIAN WELLS VALLEY WATER DISTRICT:**

James Worth, Indian Wells Valley Water District (IWVWD) Legal Counsel, comments that in December of 2017 the IWVWD advanced the IWVGA \$500,000 to keep the Groundwater Sustainability Plan (GSP) moving forward. In the agreement the IWVWD, in essence, had a first priority on reimbursement of that \$500,000 from any source of funding that the IWVGA could come up with. A secondary method of reimbursement would be a credit that the Water District would receive for any future groundwater fees that would be applicable to the Water District.

At the June 11<sup>th</sup> IWVWD Regular Board Meeting, the Board unanimously agreed to defer reimbursement of the Advance until the next round of anticipated funding. The Groundwater Extraction Fee would not be required to address the \$500,000 that the Water District has advanced. The amendment to the agreement reflects the deferment of payment.

Motion made by Bob Page and seconded by Bob Harrington to approve amendment to Advanced Funds Agreement with Indian Wells Valley Water District. Motion carried unanimously. (Ayes: Breedon, Brown, Gleason, Harrington, Page. Nays: None. Absent: None.)

**8. PUBLIC MEETING PURSUANT TO WATER CODE SECTION 10730 TO IMPOSE GROUNDWATER EXTRACTION FEES TO FINANCE DEVELOPMENT AND ADOPTION OF A GROUNDWATER SUSTAINABILITY PLAN AND IWVGA ADMINISTRATIVE COSTS:**

James Worth comments that additional steps have been taken since the initial release of the Pumping Fee Data Package released on June 1, 2018.

The Sustainable Groundwater Management Act (SGMA) is a comprehensive set of legislation that was enacted on January 1, 2015. The purpose of SGMA is for local planning to develop a GSP to ensure the sustainability within the basin.

One of the goals of the GSP is that wells would not run dry due to chronic lowering of groundwater levels, however all wells are different and it cannot be guaranteed.

SGMA requires certain local agencies to form a Groundwater Sustainability Agency (GSA) for the purpose of developing and implementing a GSP.

The Indian Wells Valley (IWV) basin is designated as a medium priority basin in critical overdraft by DWR. The designation requires that the IWVGA develop and submit a GSP to DWR by January 2020.

If the IWV basin does not comply with the mandates of SGMA, the State Water Resources Control Board (SWRCB) has the ability to come in and designate the basin as probationary and impose the same types of restrictions, actions, and fees as the IWVGA is trying to establish without any of the local input.

The IWVGA Board directed staff to present a fee proposal based on volumetric usage of groundwater to be imposed on groundwater extractors. Pursuant to SGMA, de-minimis users are not subject to the groundwater extraction fee. A de-minimis extractor, under SGMA, is defined as a person who extracts, for domestic purposes, 2 acre-feet or less per year. California Water Code §10721(e).

Staff believes the fee should be proposed pursuant to Water Code § 10730 which states: (a) A groundwater sustainability agency may impose fees, including, but not limited to, permit fees and fees on groundwater extraction or other regulated activity, to fund the costs of a groundwater sustainability program, including, but not limited to, preparation, adoption, and amendment of a groundwater sustainability plan, and investigations, inspections, compliance assistance, enforcement, and program administration, including a prudent reserve.

Notice of a Public Meeting was provided pursuant to code 10730. Twice it was published in The Daily Independent. The Data Package was published on the IWVGA website, hard copies were made available at the City of Ridgecrest and IWVWD, as well as distributed to the extensive IWVGA Interested Parties list via email.

James Worth reviews the revised Data Package provided in the Board Meeting Packet.

Mr. Worth reiterates that the Navy, BLM, and de-minimis pumpers will not be subject to the groundwater extractor's fee.

Mr. Worth reviews the expenditures provided in the Board Meeting Packet.

At the May IWVGA Board Meeting, it was suggested that a \$35 extraction fee per AF be imposed, however since the addition of revenue and reduction of expenditures the Board may lower the fee or shorten the period of time that the fee is imposed.

Mr. Worth provides two options to the Board for consideration:

1. Keep the fee at \$35 per AF per month, which would be imposed for approximately 15 months or once funding is met.
2. Reduce the fee to \$25 per AF per month, which would be imposed for approximately 21 months or once funding is met.

Once the fee is imposed, non-de-minimis groundwater extractors will be required to register their well with the IWVGA by August 20, 2018. The Water Resources Manager (WRM) will then review the registration and either approve it or work with the well owner to ensure a proper method of reporting is done. Once the well is registered, the Groundwater Extraction Fee is estimated to start on September 1, 2018 which would be the first day of measuring extraction. Well owners would be required to self-report their extraction and then pay the fee which is owed.

The preferred method of measuring extraction would be with a meter, approved by the WRM, installed on the well. A secondary method would be through the use of electrical records and pump efficiency data.

Lloyd Pilchen explains that the adoption of an Ordinance requires two meetings. At the first meeting all that will be approved is the first reading of an Ordinance. The Ordinance may then be adopted at the next regular Board meeting. An informational meeting will be held prior to the second meeting adopting the Ordinance. If the Ordinance is changed at all between the first and second meeting, it would require another first reading.

Staff recommends the following revisions to the Ordinance provided in the Board meeting packet:

- Section 4, the portion dealing with groundwater extraction facility registration. The first sentence will read "No later than August 20, 2018, a *non-de-minimis* groundwater extraction facility"
- Section 4, paragraph 2, would be struck from the Ordinance.

The motion will be a three part approval: 1) California Environmental Quality Act (CEQA) findings. 2) Introduction of the Ordinance. 3) Waiving the reading of the Ordinance in its entirety.

The Board hears comments from Derek Hoffman, who submits a packet to the Board, Joshua Nugent, Leila Lebon, L. Boardman, Elaine Mead, Judie Decker, and Doreen Conaway Baker.

Bob Page suggests that the earlier suggested addition of “non-de-minimis” in Section 4 of the Ordinance should not be added to eliminate possible confusion.

The Board hears comment from Myron King.

Phill Hall clarifies that once a GSP is adopted, all wells in the basin must be registered so that the IWVGA can monitor how much water is being extracted.

**9. FIRST READING OF A REVISED ORDINANCE, ORDINANCE 02-18  
ESTABLISHING THE RULES, REGULATIONS AND PROCEDURES FOR THE  
IMPOSITION AND COLLECTION OF GROUNDWATER EXTRACTION FEES:**

The Board hears comments from John Kinnect, Claudia Ethun, Derek Hoffman (packet submitted prior also pertains to this agenda item), Joshua Nugent, and Donna Thomas.

Motion made by Peter Brown and seconded by Mick Gleason to set the Groundwater Extraction fee at \$30 and defer to Legal Counsel Lloyd Pilchen to introduce Ordinance 02-18 including aforementioned revisions and to waive reading the entire Ordinance No. 02-18. Motion carried by the following Roll Call vote:

Director Harrington	Aye
Director Gleason	Aye
Chairwoman Breedon	Abstain
Director Brown	Aye
Director Page	Aye

Motion is passed by a vote of 4-0, with one abstention.

Lloyd Pilchen introduces, by reading aloud its title, Ordinance No. 02-18 establishing the Rules, Regulations and Procedures for the Imposition and Collection of Groundwater Extraction Fees.

**10. REVIEW OF PROTOCOL FOR TAC MEETINGS:**

**Due to time constraints, the meeting was called into Closed Session so that another scheduled presentation could take place at 3:00 p.m. The meeting will resume after presentation is finished.**

The meeting is called into closed session at 2:40 p.m.

- a. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED 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.

No action is taken which would require disclosure under the Brown Act.



Chairwoman Breeden announces that due to a lack of quorum, the remaining agenda items will need to be discussed at the July 19<sup>th</sup> IWVGA Board Meeting.

The meeting is adjourned by Chairwoman Breeden at 3:39 p.m.

**11. REPORT FROM TECHNICAL ADVISORY COMMITTEE (TAC):**

**12. REPORT FROM POLICY ADVISORY COMMITTEE (PAC):**

**13. GENERAL MANAGER'S REPORT:**

**14. CLOSING COMMENTS:**

**15. DATE AND TIME OF NEXT MEETING:**

The next IWVGA Regular Board Meeting will be held on July 19, 2018; at 10:00 a.m.

**16. CLOSED SESSION:**

- b. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED 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.

**17. ADJOURN:**

The meeting is adjourned by Chairwoman Breeden at 3:39 p.m.

Respectfully submitted,



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

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PackWrap Business Center, Inc.  
1500 McLean St.  
Ridgecrest, CA 93555  
(760)446-3010  
packwrap@hotmail.com  
www.packwrapprint.com



# INVOICE

**BILL TO**

IWV Groundwater Authority  
500 W. Ridgecrest Blvd.  
Ridgecrest, CA 93555

**INVOICE #** 35866**DATE** 06/28/2018**DUE DATE** 07/28/2018**TERMS** Net 30 Days**P.O. NUMBER**

Ricca Charlon

**SALES REP**

Mary Boster

ACTIVITY	QTY	RATE	AMOUNT
408 Postcards for Special Meeting Notice	408	0.10	40.80T
408 Mail Processing	408	0.05	20.40T
Bulk Mail Postage - 408 Cards	1	103.40	103.40

Thank you for your business with Packwrap. Please check out our  
website at [www.packwrapprint.com](http://www.packwrapprint.com).

SUBTOTAL	164.60
TAX (8.25%)	5.05
TOTAL	169.65
BALANCE DUE	<b>\$169.65</b>

Signature \_\_\_\_\_

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2171 E. Francisco Blvd., Suite K • San Rafael, California 94901  
 Phone: (415) 457-0701 • FAX: (415) 457-1638 • Website: [www.stetsonengineers.com](http://www.stetsonengineers.com)  
 Northern California • Southern California • Arizona • Colorado • Oregon

## Invoice

County of Kern  
 County Administrative Office  
 1115 Truxtun Ave., 5th Floor  
 Bakersfield CA 93301  
 ATTN.: Mr. Alan Christensen

**Invoice Number: 2652-10**

**Invoice Date: 7/6/2018**

Project #: 2652

**Indian Wells Valley Groundwater Authority**

Professional Services through 5/31/2018

### **Water Resources Management**

#### **01 - Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority & Committees to Dev**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	53.00	\$230.00	\$12,190.00
Supervisor I	7.50	\$200.00	\$1,500.00
Supervisor II	5.00	\$185.00	\$925.00
Associate I	43.75	\$115.00	\$5,031.25
Associate III	1.75	\$105.00	\$183.75
<i>Professional Services Subtotal:</i>			<u>\$19,830.00</u>
<b>Reimbursables</b>			<u>Charge</u>
Mileage			\$547.18
Reproduction			\$34.20
<i>Reimbursables Subtotal:</i>			<u>\$581.38</u>
<i>Prep &amp; Attend Board, PAC &amp; TAC Mtgs/Consult w/ Authority &amp; Committees to Dev</i>			<u>\$20,411.38</u>

#### **02 - Preparation of Prop 1 Application Grant Funding/DWR Coordn/Auth Financial Pla**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$230.00	\$460.00
Supervisor I	4.00	\$200.00	\$800.00
Supervisor II	5.50	\$185.00	\$1,017.50
Associate I	14.75	\$115.00	\$1,696.25
<i>Professional Services Subtotal:</i>			<u>\$3,973.75</u>
<i>Preparation of Prop 1 Application Grant Funding/DWR Coordn/Auth Financial Pla</i>			<u>\$3,973.75</u>

#### **04.01 - Data Gaps**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.50	\$230.00	\$575.00
Supervisor II	29.00	\$185.00	\$5,365.00
GIS Manager	5.25	\$115.00	\$603.75
Assistant III	6.00	\$85.00	\$510.00
<i>Professional Services Subtotal:</i>			<u>\$7,053.75</u>
<i>Data Gaps Subtotal:</i>			<u>\$7,053.75</u>

#### **04.02 - Data Management System**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$230.00	\$345.00
Senior II	8.50	\$145.00	\$1,232.50
Associate I	56.50	\$115.00	\$6,497.50

**04.02 - Data Management System****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
GIS Manager	3.00	\$115.00	\$345.00

*Professional Services Subtotal:* \$8,420.00

*Data Management System Subtotal:* \$8,420.00

**05 - Project Management Costs & Schedule****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.00	\$230.00	\$230.00
Associate I	8.00	\$115.00	\$920.00
Associate III	6.50	\$105.00	\$682.50

*Professional Services Subtotal:* \$1,832.50

*Project Management Costs & Schedule Subtotal:* \$1,832.50

**05A - POAM****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Associate I	9.00	\$115.00	\$1,035.00
Administrative II	5.00	\$65.00	\$325.00

*Professional Services Subtotal:* \$1,360.00

*POAM Subtotal:* \$1,360.00

**06 - IWVGW Basin 3rd Party Sustainability/Safe Yield Rev (GSP Compliance)/Numeric****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor II	12.00	\$185.00	\$2,220.00

*Professional Services Subtotal:* \$2,220.00

**Reimbursables**

			<u>Charge</u>
Commercial Travel			\$42.70

*Reimbursables Subtotal:* \$42.70

*IWVGW Basin 3rd Party Sustainability/Safe Yield Rev (GSP Compliance)/Numerica* \$2,262.70

**07 - IWVGW Basin Opptys & Constraints for Alt Imported Water Supplies****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	11.50	\$200.00	\$2,300.00
Associate I	35.50	\$115.00	\$4,082.50
Assistant II	15.00	\$90.00	\$1,350.00

*Professional Services Subtotal:* \$7,732.50

*IWVGW Basin Opptys & Constraints for Alt Imported Water Supplies Subtotal:* \$7,732.50

**09 - Other Ongoing Studies/Review (Brackish Water, USGS Recharge, Subsidence, Geop****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	8.00	\$230.00	\$1,840.00
Supervisor I	9.50	\$200.00	\$1,900.00
Supervisor II	7.00	\$185.00	\$1,295.00
Senior II	3.50	\$145.00	\$507.50
Assistant II	68.50	\$90.00	\$6,165.00

*Professional Services Subtotal:* \$11,707.50

*Other Ongoing Studies/Review (Brackish Water, USGS Recharge, Subsidence, Geop* \$11,707.50

**11.01 - GSP Projects & Testing: Monitoring Wells****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor II	1.00	\$185.00	\$185.00

**11.01 - GSP Projects & Testing: Monitoring Wells***Professional Services Subtotal:* \$185.00*GSP Projects & Testing: Monitoring Wells Subtotal:* \$185.00**12 - SDAC Projects: Water Conservation & Rebate Program**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Senior II	8.00	\$145.00	\$1,160.00
Assistant II	4.50	\$90.00	\$405.00
<i>Professional Services Subtotal:</i>			<u>\$1,565.00</u>
<i>SDAC Projects; Water Conservation &amp; Rebate Program Subtotal:</i>			<u>\$1,565.00</u>

**13 - SDAC Projects: Water Audit, Leak Detection & Leak Rpr Program**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$200.00	\$200.00
Senior II	7.00	\$145.00	\$1,015.00
Assistant II	3.50	\$90.00	\$315.00
<i>Professional Services Subtotal:</i>			<u>\$1,530.00</u>
<i>SDAC Projects: Water Audit, Leak Detection &amp; Leak Rpr Program Subtotal:</i>			<u>\$1,530.00</u>

**14 - Pumping Assessment Support**

<b>Professional Services</b>	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	27.50	\$230.00	\$6,325.00
Supervisor I	11.00	\$200.00	\$2,200.00
Supervisor II	2.00	\$185.00	\$370.00
Associate I	90.50	\$115.00	\$10,407.50
GIS Manager	5.50	\$115.00	\$632.50
Associate III	4.25	\$105.00	\$446.25
<i>Professional Services Subtotal:</i>			<u>\$20,381.25</u>

<b>Reimbursables</b>	<u>Charge</u>
Reproduction (Color)	\$489.50
Reproduction	\$7.50
<i>Reimbursables Subtotal:</i>	<u>\$497.00</u>

*Pumping Assessment Support Subtotal:* \$20,878.25***Water Resources Management Subtotal:*** **\$88,912.33****\*\*\* Invoice Total \*\*\*****\$88,912.33**



2171 E. Francisco Blvd., Suite K • San Rafael, California 94901  
Phone: (415) 457-0701 • FAX: (415) 457-1638 • Website: [www.stetsonengineers.com](http://www.stetsonengineers.com)  
Northern California • Southern California • Arizona • Colorado • Oregon

## **REIMBURSABLES SUMMARY**

County of Kern  
County Administrative Office  
1115 Truxtun Ave., 5th Floor  
Bakersfield CA 93301  
ATTN.: Mr. Alan Christensen

**Invoice Number: 2652-10**

**Invoice Date: 7/6/2018**

Project #: 2652

**Indian Wells Valley Groundwater Authority**

Professional Services through 5/31/2018

### **Water Resources Management**

#### **01 - Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority & Committees to Dev GSP**

##### **Reimbursables**

<u>Description</u>	<u>Date</u>	<u>Units</u>	<u>Unit Rate</u>	<u>Charge</u>	<u>Notes</u>
Mileage	05/03/2018	280.00	\$0.545	\$152.60	
Mileage	05/03/2018	164.00	\$0.545	\$89.38	
Mileage	05/17/2018	280.00	\$0.545	\$152.60	
Mileage	05/31/2018	280.00	\$0.545	\$152.60	
Reproduction	05/31/2018	228.00	\$0.15	\$34.20	
Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority...				\$581.38	

#### **06 - IWVGW Basin 3rd Party Sustainability/Safe Yield Rev (GSP Compliance)/Numerical GW Model**

##### **Reimbursables**

<u>Description</u>	<u>Date</u>	<u>Units</u>	<u>Unit Rate</u>	<u>Charge</u>	<u>Notes</u>
Commercial Travel	05/31/2018	1.00	\$21.35	\$21.35	
Commercial Travel	05/31/2018	1.00	\$21.35	\$21.35	
IWVGW Basin 3rd Party Sustainability/Safe Yield Rev..				\$42.70	

#### **14 - Pumping Assessment Support**

##### **Reimbursables**

<u>Description</u>	<u>Date</u>	<u>Units</u>	<u>Unit Rate</u>	<u>Charge</u>	<u>Notes</u>
Reproduction	05/31/2018	50.00	\$0.15	\$7.50	
Reproduction (Color)	05/31/2018	550.00	\$0.89	\$489.50	
Pumping Assessment Support Sub-Total:				\$497.00	



Jean Moran

**From:** etickets@amtrak.com  
**Sent:** Thursday, May 31, 2018 4:09 AM  
**To:** Jean Moran  
**Subject:** Amtrak: eTicket and Receipt for Your 05/31/2018 Trip - JEAN MORAN  
**Attachments:** Moran Jean 201805310709010967.pdf

## SALES RECEIPT



Purchased: 05/31/2018 4:09 AM PTThank you for your purchase.

1. Retain this receipt for your records.
2. Print the attached eTicket and carry during your trip.

Merchant ID 006371 Massachusetts Ave NWWashington, DC 20001800-USA-RAILAmtrak.com

**Reservation Number - 402FF1** OCEANSIDE, CA -  
**FULLERTON, CA (One-Way)** MAY 31, 2018  
**Billing Information**

JEAN MORAN3020 BRIDGEWAY405SAUSALITO, CA 94965

**Visa** ending in 4915 (Purchase)Authorization Code 040900

**Total \$21**

## Purchase Summary - Ticket Number 1510637506392

**Train 561: OCEANSIDE, CA - FULLERTON, CA** Depart 4:53 AM, Thursday, May 31, 2018

1 UNRESERVED COACH SEAT

**\$21.35**

**Ticket Terms & Conditions**NO TVL 25-28MAY18,31AUG18-3SEP18,20-22NOV18,24-26NOV18,22-24DEC18,26DEC18,

**Subtotal**

**\$21.35**

**Total Charged by Amtrak**

**\$21.35**

Jean Moran

**From:** etickets@amtrak.com  
**Sent:** Thursday, May 31, 2018 7:49 PM  
**To:** Jean Moran  
**Subject:** Amtrak: eTicket and Receipt for Your 05/31/2018 Trip - JEAN MORAN  
**Attachments:** Moran Jean 201805312248460243.pdf

## SALES RECEIPT



Purchased: 05/31/2018 7:48 PM PTThank you for your purchase.

1. Retain this receipt for your records.
2. Print the attached eTicket and carry during your trip.

Merchant ID 007231 Massachusetts Ave NWWashington, DC 20001800-USA-RAILAmtrak.com

**Reservation Number - 412958**FULLERTON, CA -  
**OCEANSIDE, CA (One-Way)**MAY 31, 2018  
**Billing Information**

JEAN MORAN3020 BRIDGEWAY405SAUSALITO, CA 94965

**Visa** ending in 4915 (Purchase)Authorization Code 094845

**Total \$21**

## Purchase Summary - Ticket Number 1510723599954

**Train 792: FULLERTON, CA - OCEANSIDE, CA**Depart 8:46 PM, Thursday, May 31, 2018

1 UNRESERVED COACH SEAT

**\$21.35**

**Ticket Terms & Conditions**NO TVL 25-28MAY18,31AUG18-3SEP18,20-22NOV18,24-26NOV18,22-24DEC18,26DEC18,

**Subtotal**

**\$21.35**

**Total Charged by Amtrak**

**\$21.35**



Alan Christensen &lt;alanaldrig@gmail.com&gt;

## Receipt for Your Payment to California Water Environment Association

1 message

service@paypal.com <service@paypal.com>  
To: Alan Christensen <alanaldrig@gmail.com>

Fri, Jun 22, 2018 at 10:53 AM



Jun 22, 2018 10:53:37 PDT  
Transaction ID: 1PP51177AT382425V

Hello Alan Christensen,

You sent a payment of \$285.00 USD to California Water Environment Association  
(info@cwea.org)

It may take a few moments for this transaction to appear in your account.

**Merchant**

California Water Environment Association  
info@cwea.org  
510-382-7800

**Instructions to merchant**

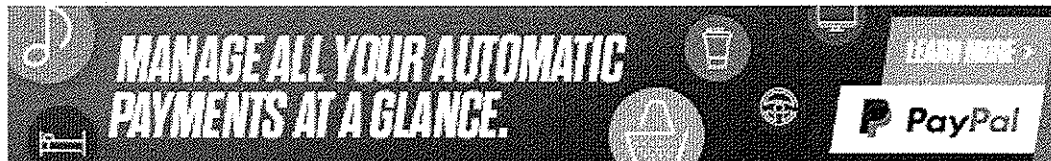
You haven't entered any instructions.

**Shipping address - confirmed**

Alan Christensen  
11911 Crockett Ct  
Bakersfield, CA 93312-5712  
United States

**Shipping details**

The seller hasn't provided any shipping details yet.



Description	Unit price	Qty	Amount
Regular Job Listing	\$285.00 USD	1	\$285.00 USD
Subtotal			\$285.00 USD
Total			\$285.00 USD
Payment			\$285.00 USD

Charge will appear on your credit card statement as "PAYPAL \*CWEA"


Payment sent to info@cwea.org

Payment sent from alanaldrig@gmail.com

Funding Sources Used (Total)

**Issues with this transaction?**

You have 180 days from the date of the transaction to open a dispute in the Resolution Center.

 Questions? Go to the Help Center at [www.paypal.com/help](https://www.paypal.com/help).

Please do not reply to this email. This mailbox is not monitored and you will not receive a response. For assistance, log in to your PayPal account and click **Help** in the top right corner of any PayPal page or please contact us toll free at 1-888-221-1161. You can receive plain text emails instead of HTML emails. To change your Notifications preferences, log in to your account, go to your Profile, and click **My settings**.

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PayPal PPX001066:1.1:5e1b7cdf3a9ab

ITEM 3c

	2017				2018								
	September	October	November	December	January	February	March	April	May	June	July	August	September
Expenses													
DESCRIPTION		August Expenses		Partial September Expenses	Remaining September Expenses	October Expenses		November Expenses	December Expenses	Jan 2018 Expenses	Feb 2018 Expenses	Mar 2018 Expenses	Apr 2018 Expenses
Stetson Engineers <sub>1</sub>		\$ 20,530.56		\$ 42,499.24	\$ 15,577.75	\$ 66,241.27		\$ 41,080.36	\$ 58,764.60	\$ 88,417.08	\$ 76,971.03	\$ 60,517.77	\$ 75,137.70
DESCRIPTION	Q1				Q2			Q3	Q4 - Final				
USGS <sub>2</sub>	\$ 10,335.00				\$ 32,662.04			\$ 22,301.48	\$ 22,301.48				
DESCRIPTION									Approved - 4/19/18		Pending - 7/19/18		
Other									\$ 76.44		\$ 285.00		
Total Expenses	\$ 10,335.00	\$ 20,530.56	\$ -	\$ 42,499.24	\$ 48,239.79	\$ 66,241.27	\$ -	\$ 63,381.84	\$ 81,142.52	\$ 88,417.08	\$ 77,256.03	\$ 60,517.77	\$ 75,137.70
Income													
Member Contributions	\$ 74,364.80												
DWR <sub>3</sub>							\$ 9,818.25		\$ 22,734.08				
IWVWD <sub>4</sub>					\$ 100,000.00	\$ 48,239.79	\$ 66,241.27		\$ 63,381.84	\$ 81,142.52	\$ 88,417.08	\$ 52,577.50	
Total Income	\$ 74,364.80		\$ -	\$ -	\$ 100,000.00	\$ 48,239.79	\$ 76,059.52	\$ -	\$ 86,115.92	\$ 81,142.52	\$ 88,417.08	\$ 52,577.50	\$ -
Total Net	\$ 64,029.80	\$ 43,499.24	\$ 43,499.24	\$ 1,000.00	\$ 52,760.21	\$ 34,758.73	\$ 110,818.25	\$ 47,436.41	\$ 52,409.81	\$ 45,135.25	\$ 56,296.30	\$ 48,356.03	\$ (26,781.67)

Notes

<sub>1</sub> - October payment - Covers August expenses  
December payment - Due to cash flow issues, only a partial payment was made for September expenses  
January payment - Covers remaining balance of September invoice  
February payment - Covers October expenses  
April payment - Covers November expenses  
June payment - Covers December expenses  
July payment - Covers January 2018 expenses  
August payment - Covers February 2018 expenses

<sub>2</sub> - September payment covers Q1  
January payment - Covers Q2  
April payment - Covers Q3  
May payment - Covers Q4 - Final invoice

<sub>3</sub> - March reimbursement - Covers September USGS invoice with DWR retaining 5%  
June reimbrusement - Covers partial Stetson payments made in October and December with DWR retaining 5%

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**Indian Wells Valley Groundwater Authority JPA Fund**  
**Fund No. 42927**  
**FY 2017-18**

Beginning Balance	\$	74,364.80
Current	\$	45,135.91

PENDING
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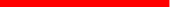



Date	Category	Description	Amount	Balance
9/14/2017	Expense	USGS Recharge Study - 3/01/17 - 6/30/17	\$ (10,335.00)	\$ 64,029.80
10/23/2017	Expense	Stetson Engineers - 8/01/17 - 8/31/17	\$ (20,530.56)	\$ 43,499.24
12/5/2017	Expense	Stetson Engineers - 9/01/17 - 9/30/17	\$ (42,499.24)	\$ 1,000.00
1/17/2018	Deposit	IWVWD Advance	\$ 100,000.00	\$ 101,000.00
		Remaining Balance - Stetson Engineers		
1/22/2018	Expense	9/01/17 - 9/30/17	\$ (15,577.75)	\$ 85,422.25
1/31/2018	Expense	USGA Recharge Study - 7/101/17 - 9/30/17	\$ (32,662.04)	\$ 52,760.21
2/13/2018	Deposit	IWVWD Advance	\$ 48,239.79	\$ 101,000.00
2/14/2018	Expense	Stetson Engineers - 10/01/17 - 10/31/17	\$ (66,241.27)	\$ 34,758.73
3/15/2018	Deposit	DWR Reimbursement	\$ 9,818.25	\$ 44,576.98
3/23/2018	Deposit	IWVWD Advance	\$ 66,241.27	\$ 110,818.25
4/11/2018	Expense	Stetson Engineers - 11/01/17 - 11/30/17	\$ (41,080.36)	\$ 69,737.89
4/11/2018	Expense	USGS Recharge Study - 10/01/17 - 12/31/17	\$ (22,301.48)	\$ 47,436.41
4/25/2018	Expense	Daily Independent - Workshop Notice	\$ (76.44)	\$ 47,359.97
5/9/2018	Expense	USGS Recharge Study - 1/01/18 - 2/28/18	\$ (22,301.48)	\$ 25,058.49
5/15/2018	Deposit	IWVWD Advance	\$ 63,381.84	\$ 88,440.33
5/18/2018	Deposit	DWR Reimbursement	\$ 22,734.08	\$ 111,174.41
5/23/2018	Expense	Stetson Engineers - 12/01/17 - 12/31/17	\$ (58,764.60)	\$ 52,409.81
6/19/2018	Deposit	IWVWD Advance	\$ 81,142.52	\$ 133,552.33
7/3/2018	Expense	Stetson Engineers - 1/01/18 - 1/31/18	\$ (88,416.42)	\$ 45,135.91

AcctNo	AccountName	Crdt/D	BeginningBalance	YTD_Debit	YTD_Credit	CurrentBalance
FundNo: 42927, FundName: INDIAN WELLS VLY GRDWATER JPA						
AccountType: Asset						
0110	CASH IN TREASURY	Debit	133,552.33	0.00	0.00	133,552.33
Total AccountType: Asset			133,552.33	0.00	0.00	133,552.33
AccountType: Liability						
1326	LOAN PAYABLE - OTHER	Credit	(359,005.42)	0.00	0.00	(359,005.42)
Total AccountType: Liabi			(359,005.42)	0.00	0.00	(359,005.42)
AccountType: Net Asset or Fund Balance						
2350	FUND BALANCE AVAILABL	Credit	225,453.09	0.00	0.00	225,453.09
2410	ESTIMATED REVENUES	Debit	0.00	0.00	0.00	0.00
2990	BUDGETARY CLEARING	Debit	0.00	0.00	0.00	0.00
Total AccountType: Net A			225,453.09	0.00	0.00	225,453.09
Total FundNo: 42927, Fun			0.00	0.00	0.00	0.00
			0.00	0.00	0.00	0.00



**INDIAN WELLS VALLEY GROUNDWATER AUTHORITY  
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT  
POAM SCHEDULE - DRAFT (July 13, 2018)**

ID	Task Name	Task Responsibility	Predecessors	Budget	Actual Cost	Remaining Cost	Start	Finish	% Complete	2017				2018				2019						
										Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1		
0	POAM billing data through 06/30/2018			\$4,700,821	\$1,608,372	\$3,091,310	Thu 1/1/15	Mon 12/30/19	34%															
1	Water Resources Manager Starts Work - August 2017	-			\$0.00	\$0.00	Thu 8/17/17	Thu 8/17/17	99%															
2	Task 1.0 Initial GSP Support Studies	-		\$167,600	\$167,600.00	\$0.00	Fri 1/1/16	Tue 7/31/18	97%															
11	Task 2.0 Proposition 1 SGMA GSP Development Grant	-		\$103,000	\$69,855.59	\$33,149.04	Fri 9/8/17	Fri 12/27/19	21%															
17	Task 3.0 Data Management System	-		\$371,805	\$98,674.00	\$274,880.64	Thu 8/3/17	Mon 12/2/19	14%															
28	Task 4.0 GSP Development and Submittal	-		\$2,384,900	\$847,865.00	\$1,537,158.76	Thu 1/1/15	Mon 12/30/19	24%															
29	Task 4.1 Prepare/Submit Notification of GSP Preparation to DWR and Local Agencies and Post on Website	-	1		\$0.00	\$0.00	Tue 10/17/17	Tue 10/17/17	100%															
30	Task 4.2 Conceptual and Numerical Basin Modeling	-		\$926,400	\$692,228.10	\$234,209.15	Thu 1/1/15	Mon 7/1/19	74%															
31	Hydrogeologic Conceptual Model			\$31,400	\$17,624.78	\$13,775.22	Wed 10/18/17	Thu 11/1/18	56%															
35	Numerical Groundwater Model	-		\$895,000	\$674,603.31	\$220,433.93	Thu 1/1/15	Mon 7/1/19	75%															
54	Task 4.3 Data Gap Evaluation	-		\$1,055,900	\$32,206.00	\$1,023,697.79	Fri 12/15/17	Tue 12/3/19	17%															
83	Task 4.4 Imported Water Study	-		\$175,000	\$68,108.00	\$106,897.36	Fri 12/15/17	Tue 12/4/18	39%															
89	Task 4.5 Recycled Water Study	-		\$61,000	\$55,323.00	\$5,751.84	Fri 12/15/17	Fri 7/20/18	91%															
96	Task 4.6 Prepare Draft GSP Chapters	-		\$135,300	\$0.00	\$135,301.83	Wed 8/1/18	Fri 6/28/19	0%															
106	Task 4.7 GSP Report Preparation: Develop Draft and Final GSP	-		\$31,300	\$0.00	\$31,300.79	Mon 7/1/19	Mon 8/26/19	0%															
111	Task 4.8 Public Hearing and Adoption of Plan	-			\$0.00	\$0.00	Mon 8/26/19	Mon 12/30/19	0%															
117	Task 5.0 SDAC Projects	-		\$646,000	\$28,950.00	\$617,052.10	Mon 10/9/17	Fri 12/27/19	5%															
118	Water Conservation and Rebate Program	IWVGA/Stetson		\$206,000	\$12,942.00	\$193,060.10	Mon 10/9/17	Fri 12/27/19	6%															
119	Water Audit, Leak Detection, and Leak Repair Program	IWVGA/Stetson		\$440,000	\$16,008.00	\$423,992.00	Mon 10/9/17	Fri 12/27/19	4%															
120	Task 6.0 IWVGA Project Management and Administrative Tasks	-		\$416,766	\$175,208.00	\$241,546.04	Tue 8/1/17	Fri 12/27/19	41%															
131	Task 7.0 Legal Services	IWVGA		\$200,000	\$0.00	\$200,000.00	Tue 8/1/17	Fri 12/27/19	0%															
132	Task 8.0 Stakeholder/Authority Coordination	-		\$289,250	\$175,077.38	\$122,316.41	Tue 8/1/17	Fri 12/27/19	43%															
138	Task 9.0 Groundwater Pumping Fee Support	Stetson		\$121,500	\$56,293.00	\$65,206.59	Thu 2/1/18	Fri 12/27/19	46%															

Project: POAM billing data through 06/30/2018 Date: Fri 7/13/18	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			

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY  
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT  
POAM SCHEDULE - DRAFT (July 13, 2018)

ID	Task Name	Task Responsibility	Predecessors	Budget	Actual Cost	Remaining Cost	Start	Finish	% Complete	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
0	<b>POAM billing data through 06/30/2018</b>			<b>\$4,700,821</b>	<b>\$1,608,372</b>	<b>\$3,091,310</b>	<b>Thu 1/1/15</b>	<b>Mon 12/30/19</b>	<b>34%</b>													
1	Water Resources Manager Starts Work - August 2017	-			\$0.00	\$0.00	Thu 8/17/17	Thu 8/17/17	99%			◆ 8/17										
2	<b>Task 1.0 Initial GSP Support Studies</b>	-		<b>\$167,600</b>	<b>\$167,600.00</b>	<b>\$0.00</b>	<b>Fri 1/1/16</b>	<b>Tue 7/31/18</b>	<b>97%</b>													
3	USGS Recharge Study - Grant Funded	USGS / Kern County		\$87,600	\$87,600.00	\$0.00	Mon 6/5/17	Thu 6/21/18	100%													
4	Brackish Groundwater Resources FS- Brackish Groundwater Study Group Funded	IWVWD / Others			\$0.00	\$0.00	Mon 5/1/17	Tue 7/31/18	90%													
5	Aerial Electro-Magnetic Geophysics Survey- Government and Local Funding	IWVWD / Others			\$0.00	\$0.00	Tue 11/14/17	Tue 7/31/18	90%													
6	Well Database Groundwater Truthing Study	IWVWD / Others			\$0.00	\$0.00	Wed 8/23/17	Wed 12/20/17	100%													
7	<b>Salt and Nutrient Management Plan</b>	<b>IWVWD / Others</b>		<b>\$80,000</b>	<b>\$80,000.00</b>	<b>\$0.00</b>	<b>Fri 1/1/16</b>	<b>Fri 12/29/17</b>	<b>100%</b>													
8	Loading Analysis (Existing)	IWVWD / Ridgecrest		\$30,000	\$30,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%													
9	Mixing Model Development (Existing)	IWVWD / Ridgecrest	8SS	\$30,000	\$30,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%													
10	Reporting and Coordination	IWVWD / Ridgecrest	8SS,9SS	\$20,000	\$20,000.00	\$0.00	Fri 1/1/16	Fri 12/29/17	100%													
11	<b>Task 2.0 Proposition 1 SGMA GSP Development Grant</b>	-		<b>\$103,000</b>	<b>\$69,855.59</b>	<b>\$33,149.04</b>	<b>Fri 9/8/17</b>	<b>Fri 12/27/19</b>	<b>21%</b>													
12	Release final PSP	DWR			\$0.00	\$0.00	Fri 9/8/17	Fri 9/8/17	0%													
13	Prepare Project Application	Stetson	1	\$62,880	\$65,030.59	(\$2,150.59)	Mon 9/11/17	Tue 11/14/17	88%													
14	Submit Project Application	Stetson	13		\$0.00	\$0.00	Wed 11/15/17	Wed 11/15/17	0%													
15	DWR Grant Agreement Coordination	IWVGA / Stetson		\$10,000	\$4,825.00	\$5,179.63	Tue 11/14/17	Tue 7/31/18	46%													
16	DWR Grant Reporting/Coordination	IWVGA / Stetson	15	\$30,120	\$0.00	\$30,120.00	Thu 8/2/18	Fri 12/27/19	0%													
17	<b>Task 3.0 Data Management System</b>	-		<b>\$371,805</b>	<b>\$98,674.00</b>	<b>\$274,880.64</b>	<b>Thu 8/3/17</b>	<b>Mon 12/2/19</b>	<b>14%</b>													
18	<b>Task 3.1 Data Management System Development</b>	-		<b>\$48,605</b>	<b>\$50,379.00</b>	<b>\$0.00</b>	<b>Wed 8/23/17</b>	<b>Wed 1/31/18</b>	<b>100%</b>													
19	Develop a Web-Based GeoDatabase (DMS)	Stetson	1	\$48,605	\$50,379.00	\$0.00	Wed 8/23/17	Wed 1/31/18	100%													
20	<b>Task 3.2 Data Compilation and Analysis</b>	-		<b>\$323,200</b>	<b>\$48,295.00</b>	<b>\$274,880.64</b>	<b>Thu 8/3/17</b>	<b>Mon 12/2/19</b>	<b>7%</b>													
21	Develop Monitoring Protocols for the GSP	Stetson		\$30,900	\$0.00	\$30,900.36	Thu 3/1/18	Tue 7/31/18	0%													
22	Populate Data with Historical Data	Stetson		\$54,200	\$38,295.00	\$15,905.96	Fri 12/15/17	Fri 11/30/18	13%													
23	Install Transducers and Telemetry Equipment	Stetson		\$179,700	\$0.00	\$179,674.02	Fri 6/1/18	Mon 4/29/19	0%													
24	Integrate GSP Goals and Objectives – Adaptive Management	Stetson		\$43,900	\$0.00	\$43,900.30	Mon 4/1/19	Thu 6/27/19	0%													
25	Monitoring Program - Kern County Water Agency and Navy Funded	KCWA / Navy			\$0.00	\$0.00	Thu 8/3/17	Mon 12/2/19	0%													
26	Ramboll Coordination	Stetson		\$10,000	\$10,000.00	\$0.00	Mon 1/1/18	Fri 3/30/18	100%													
27	CASGEM Coordination			\$4,500	\$0.00	\$4,500.00	Tue 11/14/17	Wed 1/31/18	0%													
28	<b>Task 4.0 GSP Development and Submittal</b>	-		<b>\$2,384,900</b>	<b>\$847,865.00</b>	<b>\$1,537,158.76</b>	<b>Thu 1/1/15</b>	<b>Mon 12/30/19</b>	<b>24%</b>													
29	Task 4.1 Prepare/Submit Notification of GSP Preparation to DWR and Local Agencies and Post on Website	-	1		\$0.00	\$0.00	Tue 10/17/17	Tue 10/17/17	100%			◆ 10/17										
30	<b>Task 4.2 Conceptual and Numerical Basin Modeling</b>	-		<b>\$926,400</b>	<b>\$692,228.10</b>	<b>\$234,209.15</b>	<b>Thu 1/1/15</b>	<b>Mon 7/1/19</b>	<b>36%</b>													
31	<b>Hydrogeologic Conceptual Model</b>			<b>\$31,400</b>	<b>\$17,624.78</b>	<b>\$13,775.22</b>	<b>Wed 10/18/17</b>	<b>Thu 11/1/18</b>	<b>56%</b>													
32	Prepare/Review Hydrogeologic Conceptual Model	Stetson	29		\$17,624.78	\$13,775.22	Wed 10/18/17	Tue 6/19/18	56%													
33	Discussion of Hydrogeologic Conceptual Model	TAC			\$0.00	\$0.00	Thu 6/28/18	Wed 10/31/18	0%													
34	Discussion of Water Budget	TAC			\$0.00	\$0.00	Thu 2/1/18	Thu 11/1/18	0%													

Project: POAM billing data through 06/30/2018  
Date: Fri 7/13/18

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			

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY  
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT  
POAM SCHEDULE - DRAFT (July 13, 2018)

ID	Task Name	Task Responsibility	Predecessors	Budget	Actual Cost	Remaining Cost	Start	Finish	% Complete	2017				2018				2019				Q1		
										Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
35	Numerical Groundwater Model	-		\$895,000	\$674,603.31	\$220,433.93	Thu 1/1/15	Mon 7/1/19	75%															
36	Model Development	Navy		\$620,600	\$620,600.00	\$0.00	Thu 1/1/15	Wed 8/16/17	100%															
37	Review and Evaluation of Existing Groundwater Model	Stetson	36	\$31,400	\$29,874.32	\$1,554.17	Thu 8/17/17	Fri 12/29/17	95%															
38	Model: Historical Model Calibration	Navy / DRI / Stetson	37	\$58,000	\$24,129.00	\$33,878.61	Thu 5/10/18	Wed 10/31/18	41%															
39	Historical and Baseline Recharge and Pumping Workshop	TAC			\$0.00	\$0.00	Thu 6/28/18	Thu 6/28/18	0%															
40	Calibration Workshop	TAC			\$0.00	\$0.00	Wed 8/29/18	Wed 8/29/18	0%															
41	Complete Basin Model Calibration	Stetson	38,40		\$0.00	\$0.00	Thu 11/1/18	Thu 11/1/18	0%															
42	Discussion and Recommendation of Model Calibration	TAC	40		\$0.00	\$0.00	Thu 9/6/18	Thu 10/4/18	0%															
43	Model: Baseline	Navy / DRI / Stetson	37,41FF+21 days		\$0.00	\$0.00	Thu 9/6/18	Fri 11/30/18	0%															
44	Discussion and Recommendation of 4 Modeling Scenarios	TAC	32FS-37 days,86,94		\$0.00	\$0.00	Fri 8/3/18	Fri 11/2/18	0%															
45	Discussion of Initial Sustainable Management Criteria	TAC			\$0.00	\$0.00	Thu 7/12/18	Fri 11/2/18	0%															
46	Model: Management Actions	DRI / Stetson	44,43FS-20 days,45,42	\$78,000	\$0.00	\$78,001.15	Mon 11/5/18	Fri 3/1/19	0%															
47	Discussion of Baseline and Management Action Modeling Results	DRI/TAC	46SS+23 days		\$0.00	\$0.00	Thu 12/6/18	Fri 3/29/19	0%															
48	Complete Modeling of Management Actions	DRI	46		\$0.00	\$0.00	Mon 3/4/19	Mon 3/4/19	0%															
49	Recommendation of Management Actions for GSP	TAC	47		\$0.00	\$0.00	Mon 4/1/19	Mon 4/1/19	0%															
50	Discussion and Recommendation of Sustainable Management Criteria	TAC	47SS		\$0.00	\$0.00	Thu 12/6/18	Fri 3/29/19	0%															
51	Model: Transport Modeling and Alternative Effects of Land Subsidence	DRI / Stetson	77	\$107,000	\$0.00	\$107,000.00	Thu 12/6/18	Mon 4/1/19	0%															
52	Discussion and Recommendation of Transport Modeling and Land Subsidence	DRI / Stetson	51SS+20 days		\$0.00	\$0.00	Thu 1/3/19	Wed 5/1/19	0%															
53	Draft Model Documentation	DRI			\$0.00	\$0.00	Mon 7/9/18	Mon 7/1/19	0%															
54	Task 4.3 Data Gap Evaluation	-		\$1,055,900	\$32,206.00	\$1,023,697.79	Fri 12/15/17	Tue 12/3/19	17%															
55	Review Existing Model and Monitoring Network	Stetson		\$42,400	\$5,546.00	\$36,851.79	Fri 12/15/17	Mon 12/31/18	15%															
56	Identification of Data Gaps	Stetson		\$24,300	\$24,300.00	\$0.00	Mon 4/2/18	Fri 8/30/19	100%															
57	Monitoring Wells	-		\$548,000	\$2,105.00	\$545,895.04	Thu 4/5/18	Tue 12/3/19	0%															
58	Site Evaluation	Stetson		\$13,700	\$2,105.00	\$11,595.04	Mon 7/16/18	Fri 8/31/18	1%															
59	Discussion of Location Siting	TAC			\$0.00	\$0.00	Thu 4/5/18	Fri 8/31/18	0%															
60	Work Plan and Well Construction	-		\$534,300	\$0.00	\$534,300.00	Thu 4/5/18	Tue 12/3/19	0%															
61	Permitting and Work Plan	Stetson		\$98,900	\$0.00	\$98,900.00	Thu 4/5/18	Tue 9/4/18	0%															
62	Installation of Monitoring Wells 2018	Navy/Stetson/Searles		\$186,700	\$0.00	\$186,700.00	Fri 6/1/18	Mon 12/31/18	0%															
63	Installation of Monitoring Wells 2019	Navy/Stetson/Searles	62	\$186,700	\$0.00	\$186,700.00	Tue 1/1/19	Tue 12/3/19	0%															
64	Collection of Monitoring Well Data	-		\$62,000	\$0.00	\$62,000.00	Thu 12/20/18	Mon 12/2/19	0%															
65	Stream Gages	-		\$91,800	\$0.00	\$91,800.00	Fri 6/1/18	Tue 11/13/18	0%															
66	Hydrologic Analysis	Stetson		\$16,100	\$0.00	\$16,100.00	Fri 6/1/18	Fri 8/17/18	0%															
67	Discussion of Location Siting	TAC			\$0.00	\$0.00	Mon 6/4/18	Mon 7/30/18	0%															
68	Design and Location Siting	Stetson		\$29,900	\$0.00	\$29,900.00	Mon 6/4/18	Fri 8/17/18	0%															






























Project: POAM billing data through 06/30/2018  
Date: Fri 7/13/18

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			

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY  
GROUNDWATER SUSTAINABILITY PLAN (GSP) DEVELOPMENT  
POAM SCHEDULE - DRAFT (July 13, 2018)

ID	Task Name	Task Responsibility	Predecessors	Budget	Actual Cost	Remaining Cost	Start	Finish	% Complete	2017				2018				2019				Q1
										Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
69	Equipment Purchase, Installation, and Testing	Stetson		\$45,800	\$0.00	\$45,800.00	Tue 7/17/18	Tue 11/13/18	0%													
70	<b>Weather Stations</b>	-		<b>\$68,400</b>	<b>\$0.00</b>	<b>\$68,400.00</b>	<b>Fri 6/22/18</b>	<b>Fri 12/7/18</b>	<b>0%</b>													
71	Discussion of Location Siting	TAC	3		\$0.00	\$0.00	Fri 6/22/18	Fri 9/7/18	0%													
72	Design and Location Siting	Stetson	71SS	\$16,300	\$0.00	\$16,300.00	Fri 6/22/18	Fri 9/7/18	0%													
73	Equipment Purchase	Stetson	72	\$29,400	\$0.00	\$29,400.00	Mon 9/10/18	Wed 11/7/18	0%													
74	Installation and Testing	Stetson	73	\$22,700	\$0.00	\$22,700.00	Thu 11/8/18	Fri 12/7/18	0%													
75	<b>Water Quality and Stable Isotope Sampling and Analysis</b>	-		<b>\$108,700</b>	<b>\$0.00</b>	<b>\$108,699.06</b>	<b>Wed 8/1/18</b>	<b>Mon 4/1/19</b>	<b>0%</b>													
76	Discussion of Sampling	TAC			\$0.00	\$0.00	Wed 8/1/18	Fri 9/28/18	0%													
77	Surface and Groundwater Sampling	Stetson	76	\$81,500	\$0.00	\$81,499.36	Mon 10/1/18	Thu 11/1/18	0%													
78	Geochemical Reaction and Transport Analysis	DRI	77	\$27,200	\$0.00	\$27,199.70	Fri 11/2/18	Mon 4/1/19	0%													
79	<b>Aquifer Tests</b>	-		<b>\$172,300</b>	<b>\$255.00</b>	<b>\$172,051.90</b>	<b>Thu 4/5/18</b>	<b>Wed 5/15/19</b>	<b>0%</b>													
80	Discussion of Test Locations	TAC			\$0.00	\$0.00	Thu 4/5/18	Thu 10/4/18	0%													
81	Prepare Aquifer Test Work Plan	Stetson		\$36,100	\$255.00	\$35,845.00	Tue 9/4/18	Thu 11/15/18	0%													
82	Perform Aquifer Testing	Stetson	81	\$136,200	\$0.00	\$136,206.90	Fri 11/16/18	Wed 5/15/19	0%													
83	<b>Task 4.4 Imported Water Study</b>	-		<b>\$175,000</b>	<b>\$68,108.00</b>	<b>\$106,897.36</b>	<b>Fri 12/15/17</b>	<b>Tue 12/4/18</b>	<b>39%</b>													
84	Evaluate Potential Imported Water Supply Sources	Stetson		\$75,000	\$68,108.00	\$6,896.77	Fri 12/15/17	Thu 7/12/18	90%													
85	Evaluate Water Banking Alternatives and Extraction Schedule	Stetson	84FF	\$25,000	\$0.00	\$25,000.00	Mon 1/1/18	Thu 7/12/18	0%													
86	Discussion and Recommendation of Imported Water Feasibility	TAC	87FF		\$0.00	\$0.00	Thu 3/22/18	Thu 8/2/18	0%													
87	Evaluate Infrastructure Requirements	Stetson		\$25,000	\$0.00	\$25,000.00	Tue 5/1/18	Thu 8/2/18	0%													
88	Prepare Technical Memorandum	Stetson	86,84,85	\$50,000	\$0.00	\$50,000.59	Fri 8/3/18	Tue 12/4/18	0%													
89	<b>Task 4.5 Recycled Water Study</b>	-		<b>\$61,000</b>	<b>\$55,323.00</b>	<b>\$5,751.84</b>	<b>Fri 12/15/17</b>	<b>Fri 7/20/18</b>	<b>91%</b>													
90	Existing Supply and Demand Analysis	Stetson		\$6,600	\$6,600.00	\$0.00	Fri 12/15/17	Tue 1/30/18	100%													
91	Identify Existing Recycled Water Infrastructure and Users	Stetson	90	\$6,000	\$6,070.00	\$0.00	Wed 1/31/18	Wed 2/28/18	100%													
92	Review Regulatory and Institutional Requirements	Stetson	90	\$3,400	\$3,400.00	\$0.00	Wed 1/31/18	Wed 2/28/18	100%													
93	Identify and Evaluate Potential Recycled Water Users	Stetson / IWVGA	91,92	\$20,000	\$20,000.00	\$0.00	Thu 3/1/18	Tue 5/1/18	100%													
94	Discussion and Recommendation of Recycled Water Feasibility	TAC	90,91,93FF		\$0.00	\$0.00	Thu 3/1/18	Thu 7/12/18	0%													
95	Prepare Technical Memorandum	Stetson	93	\$25,000	\$19,253.00	\$5,751.84	Wed 5/2/18	Fri 7/20/18	77%													
96	<b>Task 4.6 Prepare Draft GSP Chapters</b>	-		<b>\$135,300</b>	<b>\$0.00</b>	<b>\$135,301.83</b>	<b>Wed 8/1/18</b>	<b>Fri 6/28/19</b>	<b>0%</b>													
97	GSP Report Preparation: Prepare Introduction Chapter	Stetson		\$1,200	\$0.00	\$1,199.81	Wed 8/1/18	Fri 9/28/18	0%													
98	Prepare Plan Area and Basin Setting Chapter	Stetson	4,10,32	\$16,200	\$0.00	\$16,200.43	Fri 11/2/18	Thu 3/7/19	0%													
99	Prepare Projects and Management Actions to Achieve Sustainability Goal Chapter	Stetson	49,52FS-22 days,86,94	\$50,000	\$0.00	\$50,000.59	Tue 4/2/19	Fri 6/28/19	0%													
100	Prepare Sustainable Management Criteria Chapter	Stetson	50SS+18 days	\$30,000	\$0.00	\$29,999.76	Tue 1/1/19	Fri 5/31/19	0%													
101	<b>Plan Implementation</b>				<b>\$0.00</b>	<b>\$34,999.96</b>	<b>Fri 2/1/19</b>	<b>Fri 6/28/19</b>	<b>0%</b>													
102	Discussion and Recommendation of Plan Implementation	TAC	49FS-42 days		\$0.00	\$0.00	Fri 2/1/19	Thu 6/6/19	0%													

Project: POAM billing data through 06/30/2018  
Date: Fri 7/13/18






























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			



INDIAN WELLS VALLEY GROUNDWATER AUTHORITY  
GROUNDWATER SUSTAINABILITIY PLAN (GSP) DEVELOPMENT  
POAM SCHEDULE - DRAFT (July 13, 2018)

ID	Task Name	Task Responsibility	Predecessors	Budget	Actual Cost	Remaining Cost	Start	Finish	% Complete	2017				2018				2019				Q1
										Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
103	GSP Report Preparation: Prepare Plan Implementation Chapter	Stetson	102FS-23 days	\$35,000	\$0.00	\$34,999.96	Tue 5/7/19	Fri 6/28/19	0%													
104	GSP Report Preparation: Prepare References and Technical Studies Chapter	Stetson		\$2,000	\$0.00	\$2,000.68	Mon 6/3/19	Fri 6/28/19	0%													
105	GSP Report Preparation: Prepare Executive Summary Chapter	Stetson		\$900	\$0.00	\$900.60	Mon 6/3/19	Fri 6/28/19	0%													
106	Task 4.7 GSP Report Preparation: Develop Draft and Final GSP	-		\$31,300	\$0.00	\$31,300.79	Mon 7/1/19	Mon 8/26/19	0%													
107	Prepare Review Draft GSP Report	Stetson	97,98,99,100,103,104,105		\$0.00	\$0.00	Mon 7/1/19	Wed 7/31/19	0%													
108	Submit Review Draft GSP Report to IWVGA Board, TAC, and PAC	Stetson	107		\$0.00	\$0.00	Thu 8/1/19	Thu 8/1/19	0%													
109	Review Draft Comment Period	IWVGA/TAC/PAC	108		\$0.00	\$0.00	Fri 8/2/19	Thu 8/15/19	0%													
110	Prepare Final Draft GSP Report	Stetson	109		\$0.00	\$0.00	Fri 8/16/19	Mon 8/26/19	0%													
111	Task 4.8 Public Hearing and Adoption of Plan	-			\$0.00	\$0.00	Mon 8/26/19	Mon 12/30/19	0%													
112	Submit 90-Day Notice of Public Hearing	IWVGA	110		\$0.00	\$0.00	Mon 8/26/19	Mon 8/26/19	0%													
113	Public Hearing	IWVGA	112FS+65 days		\$0.00	\$0.00	Mon 11/25/19	Mon 11/25/19	0%													
114	Prepare Final GSP Report (Incorporate Public Input)	Stetson	113		\$0.00	\$0.00	Tue 11/26/19	Wed 12/18/19	0%													
115	IWVGA Approval	IWVGA	114		\$0.00	\$0.00	Thu 12/19/19	Fri 12/27/19	0%													
116	Submit Final GSP to DWR		115		\$0.00	\$0.00	Mon 12/30/19	Mon 12/30/19	0%													
117	Task 5.0 SDAC Projects	-		\$646,000	\$28,950.00	\$617,052.10	Mon 10/9/17	Fri 12/27/19	5%													
118	Water Conservation and Rebate Program	IWVGA/Stetson		\$206,000	\$12,942.00	\$193,060.10	Mon 10/9/17	Fri 12/27/19	6%													
119	Water Audit, Leak Detection, and Leak Repair Program	IWVGA/Stetson		\$440,000	\$16,008.00	\$423,992.00	Mon 10/9/17	Fri 12/27/19	4%													
120	Task 6.0 IWVGA Project Management and Administrative Tasks	-		\$416,766	\$175,208.00	\$241,546.04	Tue 8/1/17	Fri 12/27/19	41%													
121	Consultant Management and GSP Development	IWVGA		\$24,500	\$9,625.00	\$14,871.90	Tue 8/1/17	Fri 12/27/19	39%													
122	Financial Management	IWVGA		\$8,500	\$3,339.00	\$5,158.24	Tue 8/1/17	Fri 12/27/19	39%													
123	Budget Development and Administration	IWVGA		\$12,500	\$4,911.00	\$7,584.94	Tue 8/1/17	Fri 12/27/19	39%													
124	Schedule/Budget Management	Stetson		\$52,000	\$22,499.00	\$29,498.26	Tue 8/1/17	Fri 12/27/19	43%													
125	General Project Management	Stetson		\$74,800	\$38,793.00	\$36,011.80	Tue 8/1/17	Fri 12/27/19	52%													
126	Travel	IWVGA		\$6,000	\$2,357.00	\$3,642.70	Tue 8/1/17	Fri 12/27/19	39%													
127	Insurance	IWVGA		\$15,000	\$5,893.00	\$9,106.26	Tue 8/1/17	Fri 12/27/19	39%													
128	Conferences/Training	IWVGA		\$3,000	\$1,179.00	\$1,820.03	Tue 8/1/17	Fri 12/27/19	39%													
129	Miscellaneous	IWVGA		\$10,000	\$3,929.00	\$6,070.51	Tue 8/1/17	Fri 12/27/19	39%													
130	City of Ridgecrest Services	Ridgecrest		\$210,466	\$82,683.00	\$127,781.42	Tue 8/1/17	Fri 12/27/19	39%													
131	Task 7.0 Legal Services	IWVGA		\$200,000	\$0.00	\$200,000.00	Tue 8/1/17	Fri 12/27/19	0%													
132	Task 8.0 Stakeholder/Authority Coordination	-		\$289,250	\$166,926.00	\$122,316.41	Tue 8/1/17	Fri 12/27/19	43%													
133	IWVGA/TAC/PAC Coordination	Stetson		\$144,250	\$130,622.00	\$13,622.03	Tue 8/1/17	Fri 12/27/19	91%													
134	GSA Baord Meetings	IWVGA		\$42,000	\$16,500.00	\$25,499.19	Tue 8/1/17	Fri 12/27/19	39%													
135	PAC/TAC Meetings	IWVGA		\$19,000	\$7,464.00	\$11,535.63	Tue 8/1/17	Fri 12/27/19	39%													
136	Community Outreach	IWVGA		\$21,000	\$8,250.00	\$12,749.60	Tue 8/1/17	Fri 12/27/19	39%													
137	Stakeholder Coordination	Stetson		\$63,000	\$4,090.00	\$58,909.95	Tue 8/1/17	Fri 12/27/19	6%													
138	Task 9.0 Groundwater Pumping Fee Support	Stetson		\$121,500	\$56,293.00	\$65,206.59	Thu 2/1/18	Fri 12/27/19	46%													

Project: POAM billing data through 06/30/2018  
Date: Fri 7/13/18

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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# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

## GROUNDWATER EXTRACTION FEE FREQUENTLY ASKED QUESTIONS

### 1. What is SGMA?

The “Sustainable Groundwater Management Act” (“SGMA”) became effective January 1, 2015. In essence, SGMA requires local agencies with water supply, water management or land use responsibilities to form Groundwater Sustainable Agencies (“GSAs”) for the purpose of achieving groundwater sustainability through the adoption and implementation of Groundwater Sustainability Plans (“GSPs”) for the basin. Federal governmental agencies may choose to voluntarily participate in the development of the GSP. The Indian Wells Valley Groundwater Authority (“Groundwater Authority”) was formed and serves as the exclusive GSA for the Indian Wells Valley Groundwater Basin (“Basin”).

### 2. What is the benefit of the Groundwater Sustainability Plan (GSP)?

Every resident of the Indian Wells Valley region will benefit from the successful development and management of a Groundwater Sustainability Plan (“GSP”) by having a secure and reliable water supply. SGMA requires local governments and water agencies of high and medium priority basins, like the Indian Wells Valley Groundwater Basin, to generally halt overdraft and bring groundwater basins into balanced levels of pumping and recharge. GSPs are detailed road maps for how groundwater basins will accomplish SGMA requirements and reach long term sustainability. The Groundwater Authority is currently developing the Indian Wells Valley Groundwater Basin GSP, through collaboration with the public and local stakeholders, to be completed by January 2020. After implementing the Indian Wells Valley Groundwater Basin GSP, the Indian Wells Valley Groundwater Basin should reach sustainability within 20 years, by the year 2040. The Indian Wells Valley Groundwater Basin GSP will benefit all groundwater users and residents within the Indian Wells Valley region by securing its precious water resources for the use of all.

### 3. What is the purpose of the groundwater extraction fee?

The purpose of the groundwater extraction fee is to generate revenue to cover the costs incurred by the Groundwater Authority to develop and adopt the Indian Wells Valley Groundwater Basin GSP along with tasks related to its development, in accordance with SGMA. The groundwater extraction fee, by partially funding the Indian Wells Valley Groundwater Basin GSP, is critical for achieving long-term groundwater management goals. Accordingly, the Groundwater Authority is collaboratively working with the public, including well owners, regarding the implementation of the groundwater extraction fee. The Groundwater Authority has chosen an initial cooperative approach to Well Registration and Well Pumping Reporting to minimize costs.

# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

## 4. What grants the authority for groundwater extraction fees?

California Water Code Section 10730, enacted through SGMA, authorizes the Groundwater Authority, the authority to impose a groundwater extraction fee. Pursuant to Section 10730(a), the fees may be used “to fund the costs of a groundwater sustainability program, including, but not limited to, preparation, adoption, and amendment of a groundwater sustainability plan, and investigations, inspections, compliance assistance, enforcement, and program administration, including a prudent reserve.” In addition, Water Code Section 10725(a) authorizes the Groundwater Authority to “perform any act necessary or proper to carry out the purposes of this part [SGMA]”.

## 5. Are all pumpers subject to the fee? Who is exempt?

Pursuant to SGMA, all groundwater pumpers are subject to the groundwater extraction fee except for federal entities and those that qualify as de minimis extractors. (Note: De minimis extractors that are currently exempt from the groundwater extraction fee may be subject to future fees implemented by the Groundwater Authority after the Indian Wells Valley Groundwater Basin GSP is adopted.)

## 6. Who qualifies as a de minimis extractor and is exempt from the fee?

SGMA expressly provides that a “de minimis extractor” is “a person who extracts, for domestic purposes, two acre-feet or less per year” (California Water Code Section 10721(e)). “Person” for the purposes of this fee is any typical household including landscaping. One acre-foot of water is equivalent to 325,851 gallons.

## 7. I share a well. Do I qualify as a de minimis extractor or do I have to pay the fee?

A well with a total of five household connections or more must be registered and is subject to the fee. If you share a well that has a total of four or fewer household connections and you individually use less than two acre-feet per year, you are a de minimis extractor and you do not have to register the well or pay the fee at this time.

### *Illustrative Example:*

A well has two persons extracting from it. The first person extracts less than two acre-feet per year for their home use while the second person extracts more than two acre-feet per year for use on a hobby farm. The first person is a “de minimis extractor” because they are drawing less than two acre-feet per year for their own domestic purpose and what the second person does, or does not do, has no effect on this analysis. The second person is not a “de minimis extractor” for two reasons: 1) they are using more than two acre-feet per year; and, 2) they are using the water for a non-domestic use. Either one of these reasons is enough on its own to make the second person a non de minimis extractor. Under the Groundwater Extraction Fee Ordinance, the first person does nothing while the second person will register their well and pay the fee.



# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

## 8. I get my water from a mutual water company or the Indian Wells Valley Water District; will I have to pay the fee?

The mutual water company (or the Indian Wells Valley Water District) that supplies your water will be subject to the fee.

## 9. What is a mutual water company?

Mutual water companies are created by several properties to supply water from a mutual well. They are corporations formed under California Corporations Code 14300. Mutual water companies are regulated by California's Water Code, Health and Safety Code and must abide by open meeting and records disclosure laws similar to many public water utilities.

## 10. How much is the fee?

The amount of the fee will be \$30 for each acre foot of water pumped in the Indian Wells Valley Groundwater Basin administered as \$3.00 per tenth (.10) of an acre foot.

## 11. What is the average domestic water use in the area?

Households within the Indian Wells Valley Water District typically use 0.7 acre-feet per year of potable water.

## 12. How was the fee determined?

The formula for determining the fee is the amount required to be funded by the groundwater extraction fee, divided by the fee period, divided by the average monthly groundwater pumping volume. The funds needed from the groundwater extraction fee (\$930,754) are the costs to develop and adopt the Groundwater Sustainability Plan not covered by grant money, member agency contributions, or in-kind services. The fee period is estimated to be between 15 and 21 months. The most recent estimate of annual pumping available is 2016 data reported by the Indian Wells Valley Cooperative Groundwater Management Group. The average monthly groundwater pumping volume used to determine the fee is 1,800 acre feet, which is the 2016 total annual groundwater production, reduced by the volume of production from the U.S. Navy and private wells, resulting in 21,600 acre-feet pumped annually, and then divided by 12 months. U.S Navy and private well production is excluded from the monthly groundwater pumping volume because these users are exempt from the groundwater extraction fee. (See Question 5).

## INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

### 13. When does the groundwater extraction fee go in effect and for how long?

The ordinance establishing the fee is intended to be adopted on July 19, 2018 at the Groundwater Authority Board Meeting. If adopted the ordinance goes into effect 30 days after that date on August 19, 2018. The first month of groundwater production to be subject to the groundwater extraction fee will be September 2018. The fee period is estimated to be between 15 and 21 months but could be reduced or extended depending on actual groundwater pumping recorded. (See Question 14). (Note: After the Groundwater Sustainability Plan is adopted in 2020, the Groundwater Authority will likely be required to implement fees to pay for the cost of implementing the management measures proposed in the Groundwater Sustainability Plan (i.e. importing potable water into the Indian Wells Valley)).

### 14. What if the 2016 pumping estimates do not reflect future groundwater production? Will the fee change?

The 2016 annual pumping data was used as a guide to determine the volumetric pumping fee. If 2018 and 2019 annual groundwater production are greater than 2016 estimates, the fees will generate the required funds (\$930,754) in less than the anticipated number of months. If this occurs, the law would require that the Groundwater Authority either shorten the period over which the fee was collected or in the alternative lower the fee itself. Conversely, if 2018 and 2019 annual groundwater production is less than 2016 estimates, the fees will require more months to generate the required funds (\$930,754). If this occurs, the fee period may be extended or the fee may be increased. A public process and meeting would be required to increase the fee.

### 15. How are all wells being identified in the Basin?

By law, all wells drilled in the Indian Wells Valley Groundwater Basin within approximately the last 40 years require a permit from the Counties of Kern, San Bernardino, or Inyo. The lists of County well permits are how the Groundwater Authority has identified wells in the Basin. In the coming months, the Groundwater Authority staff will be using all reasonable efforts to identify outlier wells that are not contained on these permit lists. The Groundwater Authority is also collaboratively working with well owners to develop a complete and accurate well registry.

### 16. How will groundwater production be recorded and fees administered?

Administration of the groundwater extraction fee will require significant public cooperation. All well owners subject to the fee will be required to register their wells with the Groundwater Authority. Groundwater producers subject to the groundwater extraction fee will self-report their monthly production data to the Groundwater Authority along with submitting the associated monthly fees.

# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

## 17. Are there penalties for non-compliance?

As prescribed by California Water Code section 10730.6, if a groundwater extractor knowingly fails to pay the groundwater extraction fee within thirty (30) days of it becoming due, it is delinquent and the owner and operator shall be liable to the Authority for interest at a rate of one (1) percent per month on the delinquent amount of the Groundwater Extraction Fee and a ten (10) percent penalty on the delinquent amount. Additionally, anyone that violates the ordinance establishing the groundwater extraction fee shall be subject to possible civil penalties and civil action by the Groundwater Authority.

## 18. What if I do not have a meter on my well?

The Groundwater Authority, through the Water Resources Manager, will coordinate with well owners to develop alternative methods for determining groundwater production for those wells without meters. After the Indian Wells Valley Groundwater Basin GSP is adopted, all wells in the Indian Wells Valley will be required to have water meters installed.

## 19. Who can I talk to with additional questions?

Technical questions can be directed to Steve Johnson, Groundwater Authority Water Resources Manager, at [stevej@stetsonengineers.com](mailto:stevej@stetsonengineers.com).

Legal questions can be directed to Keith Lemieux, Groundwater Authority Legal Counsel, at [klemieux@omlowlaw.com](mailto:klemieux@omlowlaw.com).

*Note: These Frequently Asked Questions are for general informational purposes only and should not be construed to supersede SGMA or the Groundwater Extraction Fee ordinance.*

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# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

## DRAFT WELL REGISTRATION FORM

(Use one (1) form for each well)

### General Information

All Groundwater Wells within the boundaries of the Indian Wells Valley Groundwater Basin must be registered with the Indian Wells Valley Groundwater Authority (Authority) by the owner or operator no later than August 20, 2018. Exception: Groundwater Wells that are used solely by a De Minimis Extractor (less than 2 acre-feet per year, equivalent to approximately 1,785 gallons per day, for domestic purposes) do not need to be registered at this time.

### Completed forms should be mailed or delivered to:

#### *Mailing Address*

Indian Wells Valley Groundwater Authority  
P.O. Box 1329  
Ridgecrest, CA 93556-1329

#### *Delivery Address*

Indian Wells Valley Groundwater Authority  
500 W. Ridgecrest Blvd  
Ridgecrest, CA 93555

**For questions or assistance registering your well and/or completing this form:** Please consult the IWVGA website to view a sample well registration form at: <https://iwvga.org/>. Further inquiries can be direct to: Ron Strand, IWVGA Acting General Manager at (760) 499-5002 or [rstrand@ridgecrest-ca.gov](mailto:rstrand@ridgecrest-ca.gov).

**Please Register Your Well:** The Groundwater Authority is initially registering well and reporting pumping on a cooperative basis to minimize costs.

**Failure to Register:** Groundwater Wells are prohibited from pumping groundwater if they are not registered by the applicable date above and said prohibition shall continue until the Groundwater Well is registered with the Authority.

### **1. Well Owner Information**

#### a. Primary contact person

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Business Phone No: \_\_\_\_\_

Home /Cell Phone No: \_\_\_\_\_ / \_\_\_\_\_

Email Contact(s): \_\_\_\_\_

Best Time of Day to Contact: \_\_\_\_\_ AM / PM (circle one)

#### b. Additional Contact(s)

☐ Check this box if same information as Well Owner above.

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Business Phone No: \_\_\_\_\_

Home /Cell Phone No: \_\_\_\_\_ / \_\_\_\_\_

Email Contact(s): \_\_\_\_\_

Best Time of Day to Contact: \_\_\_\_\_ AM / PM (circle one)

**2. Well Information (write "Unknown" as applicable)**

County Permit Number: \_\_\_\_\_ Parcel Number: \_\_\_\_\_

Other Well Name/Identification Number(s): \_\_\_\_\_

Well Physical Address: \_\_\_\_\_

Description of Where Well is Located on Property: \_\_\_\_\_

Does well serve a co-op, mutual, small water system, or non-public water system? \_\_\_\_\_

If yes, provide name/explanation: \_\_\_\_\_

Year Well Installed: \_\_\_\_\_

Well Depth: \_\_\_\_\_ Diameter (inches): \_\_\_\_\_

Static Water Level: \_\_\_\_\_ Ground Elevation: \_\_\_\_\_

Well Pump Data:

Manufacturer: \_\_\_\_\_

Model No.: \_\_\_\_\_ Size/Tag horsepower: \_\_\_\_\_

Pumping Total Dynamic Head: \_\_\_\_\_

Water Meter Data:

☐ Check this box if the well has a water meter and complete the information below.

Manufacturer: \_\_\_\_\_

Model No.: \_\_\_\_\_ Size (inches): \_\_\_\_\_

Recording Units:

☐ Gallons ☐ 100s of Gallons ☐ 1,000 of Gallons

☐ Cubic Feet ☐ HCF (hundred cubic feet) ☐ Cubic Meters

Date/Water Meter Reading: \_\_\_\_\_ / \_\_\_\_\_

Electrical Meter Data:

☐ Check this box if the well has an electrical meter exclusively for the well.

**3. Water Use Information (Provide information on all categories that apply)**

Water is used for:

☐ In-house: \_\_\_\_\_

☐ Landscape/Garden: \_\_\_\_\_

☐ Agriculture: \_\_\_\_\_

Acres: \_\_\_\_\_

Crop type: \_\_\_\_\_

☐ Commercial/Industrial: \_\_\_\_\_

☐ Other/Combination (Specify Use): \_\_\_\_\_

My Estimated Average Monthly/Annual Water Use is: \_\_\_\_\_

☐ I declare that I am a de minimis extractor (less than 2 acre-feet per year for domestic purposes only.)

(Please Provide Method of Determining Water Use Below)

☐ Please Check if you Need Assistance to Determine Monthly Water Use

# INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

## DRAFT MONTHLY REPORT FORM GROUNDWATER EXTRACTION FEE

### GENERAL INFORMATION

**Completed forms should be mailed or delivered to:**
*Mailing Address*

Indian Wells Valley Groundwater Authority  
P.O. Box 1329  
Ridgecrest, CA 93556-1329

*Delivery Address*

Indian Wells Valley Groundwater Authority  
500 W. Ridgecrest Blvd  
Ridgecrest, CA 93555

**Please make checks payable to:**

Indian Wells Valley  
Groundwater Authority

**For questions or assistance completing this form:** Please consult the IWVGA website to view a sample monthly report form at: <https://iwvga.org/>. Further inquiries can be direct to: Ron Strand, IWVGA Acting General Manager at (760) 499-5002 or [rstrand@ridgecrest-ca.gov](mailto:rstrand@ridgecrest-ca.gov).

**THIS REPORT FORM AND PAYMENT ARE DUE NO LATER THAN THE 10TH OF EACH MONTH OF THE SECOND READING.**

As prescribed by California Water Code section 10730.6, if a Groundwater Extractor knowingly fails to pay the Groundwater Extraction Fee for their Groundwater Extraction Facility within thirty (30) days of it becoming due, it is delinquent and the owner and operator shall be liable to the Authority for interest at a rate of one (1) percent per month on the delinquent amount of the Groundwater Extraction Fee and a ten (10) percent penalty on the delinquent amount of the Groundwater Extraction Fee.

PLEASE WRITE LEGIBLY IN INK.

### ACCOUNT INFORMATION *(NOTE- THIS SECTION MAY BE PREFILLED BY THE AUTHORITY BASED UPON WELL REGISTRATION INFORMATION PROVIDED)*

- |                                    |          |
|------------------------------------|----------|
| 1 Name:                            |          |
| 2 Mailing Address:                 |          |
| 3 Well Name/Identification Number: |          |
| 4 Parcel Number:                   |          |
| 5 Billing Period:                  | to       |
| 6 Declared De Minimis Extractor    | YES / NO |

### WATER USE DETERMINATION

If you have a water meter, use Method A. If you do not have a water meter, but you do have a dedicated electrical meter on your well(s), use Method B. If you do not have a water meter and you do not have a dedicated electrical meter, you should coordinate your report with the IWVGA General Manager and the Water Resources Manager based upon Method C, Method D, or Method E (or a combination of Method C and Method D and Method E if the well is used for a combination of agricultural, domestic, and commercial/industrial uses).

#### Method A - Water Meter

- |  |  |
|--|--|
| 7 1st Water Meter Reading - 1st Day of Month           |  |
| 8 2nd Water Meter Reading - 1st Day of Following Month |  |
| 9 Monthly Water Usage                                  |  |

*Instructions: Subtract Line 7 from Line 8.*

#### 10 Check Box with Units of Water Meter

		Unit	Coefficient
11	<input type="checkbox"/>	Gallons	32,585.1
12	<input type="checkbox"/>	100s of Gallons	325.9
13	<input type="checkbox"/>	1,000s of Gallons	32.6
14	<input type="checkbox"/>	Cubic Feet (ft <sup>3</sup> )	4,356
15	<input type="checkbox"/>	HCF (hundred ft <sup>3</sup> )	43.6
16	<input type="checkbox"/>	Cubic Meter (m <sup>3</sup> )	123.3

**17 Monthly Water Usage (10ths of acre-feet)**

Instructions: Divide Line 9 by Coefficient of Checked Box in Line 11 to Line 16. Round to 3 decimal places (3 places to the right of the decimal point).

**Method B - Electrical Meter**

18 1st Water Meter Reading - 1st Day of Month

19 2nd Water Meter Reading - 1st Day of Following Month

20 Monthly Electrical Usage (KwH)

Instructions: Subtract Line 18 from Line 19.

21 Check Box of Water Depth Zone (Consult map included with this form to determine in what Water Depth Zone your well is located.)

		Zone	Coefficient (TBD)
22	<input type="checkbox"/>	1	
23	<input type="checkbox"/>	2	
24	<input type="checkbox"/>	3	
25	<input type="checkbox"/>	4	
26	<input type="checkbox"/>	5	

**27 Monthly Water Usage (10ths of acre-feet)**

Instructions: Divide Line 20 by Coefficient of Checked Box in Line 22 to Line 26. Round to 3 decimal places (3 places to the right of the decimal point).

**METHODS C, D, AND E BELOW FOR DEMONSATION PURPOSES ONLY.****Method C - Agricultural Use Estimates**

28 Check All Applicable Crops

Instructions: Identify acres for each applicable crop in "Acreage" column. In the "Total" column, multiply "Acreage" by Coefficient for appropriate season. Round to 3 decimal places (3 places to the right of the decimal point).

	Crop	Acreage	Coefficient (TBD)	Total
29	<input type="checkbox"/> Alfalfa		Jan, Feb, or March:	
			April, May or June:	
			July, Aug, or Sept:	
			Oct, Nov, or Dec:	
30	<input type="checkbox"/> Pistachios		Jan, Feb, or March:	
			April, May or June:	
			July, Aug, or Sept:	
			Oct, Nov, or Dec:	
31	<input type="checkbox"/> Almonds		Jan, Feb, or March:	
			April, May or June:	
			July, Aug, or Sept:	
			Oct, Nov, or Dec:	

**32 Monthly Water Usage (10ths of acre-feet)**

Instructions: Add "Total" column from Line 29, Line 28, and Line 31. Round to 3 decimal places (3 places to the right of the decimal point).



**Method D - Domestic Use Estimates** (includes indoor water use, landscape irrigation, and other outside water use)

33 Number of people in household \_\_\_\_\_

34 Coefficient 0.193

**35 Monthly Water Usage (10ths of acre-feet)** \_\_\_\_\_

*Instructions: Multiply Line 32 by Coefficient in Line 33. Round to 3 decimal places (3 places to the right of the decimal point).*

**Method E - Commercial/Industrial Use Estimates**

36 Provide method of estimation. \_\_\_\_\_  
\_\_\_\_\_

**37 Monthly Water Usage (10ths of acre-feet)** \_\_\_\_\_

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**BILLING DETERMINATION**

**38 Monthly Water Usage (10ths of acre-feet)** \_\_\_\_\_

*Instructions: Add Lines 17 27, 32, 35, and 37. Round to 3 decimal places (3 places to the right of the decimal point).*

39 Extraction Fee (\$/10th acre-foot) \$3.00

**40 TOTAL MONTHLY BILL** \_\_\_\_\_

*Instructions: Multiply Line 38 by Extraction Fee in Line 39. Round to nearest cent.*

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**IWVGA ADMINISTRATIVE OFFICE****MEMORANDUM**

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**TO:** IWVGA Board Members **DATE:** July 19, 2018

**FROM:** Keith Lemieux, Board Counsel

**SUBJECT:** SECOND READING AND ADOPTION, ORDINANCE NO. 02-18 – Establishing Groundwater Extraction Fees and the Rules, Regulations and Procedures for Their Imposition

**DISCUSSION**

This Board previously determined to fund the costs of a groundwater sustainability program through the imposition of a Groundwater Extraction Fee. Such costs include the preparation, adoption, and amendment of the groundwater sustainability plan, and investigations, inspections, compliance assistance, enforcement, and program administration, including a prudent reserve. The attached Ordinance is one component in implementing that program.

At the regular meeting on June 21, 2018, the Board held the “one public meeting” required by California Water Code Section 10730, enacted through the Sustainable Groundwater Management Act. At that meeting, the Board received testimony from the public, and made two revisions to the draft Ordinance: (i) the monthly fee was reduced to \$3.00 per tenth of an acre foot; and (ii) registration for De Minimis Extractors was eliminated. The Board approved the introduction and First Reading of the Ordinance.

An informational meeting for the public was held on July 10 in Ridgecrest.

This Agenda Item is the second reading and adoption of Ordinance No. 02-18.

**RECOMMENDATION**

1. Make a finding that the proposed Ordinance is exempt from further environmental review pursuant to California Environmental Quality Act Guidelines section 15273 and Public Resources Code section 21080(b)(8) because it is the establishment of operational rates and charges. Additionally, it has been determined that this action is exempt from further environmental review pursuant to Guidelines section 15061(b)(3) because it can be seen with a certainty that this action will not have a significant effect on the environment. Moreover it has been determined that this action is exempt from further environmental review pursuant Guidelines section 15378(b)(5) because it involves administrative activities that will not result in direct or indirect physical changes in the environment.
2. Read aloud the title and vote on adoption: Ordinance No. 02-18 – ESTABLISHING GROUNDWATER EXTRACTION FEES AND THE RULES, REGULATIONS AND PROCEDURES FOR THEIR IMPOSITION (**Note: the ordinance may be described by reading only the title if the Board previously waived the full reading earlier in the meeting.**)

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**BEFORE THE BOARD OF DIRECTORS OF THE  
INDIAN WELLS VALLEY GROUNDWATER AUTHORITY**

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In the matter of:

Ordinance No. 02-18

**ESTABLISHING GROUNDWATER  
EXTRACTION FEES AND THE RULES,  
REGULATIONS AND PROCEDURES  
FOR THEIR IMPOSITION**

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I, \_\_\_\_\_, Clerk of the Board of Directors for the Indian Wells Valley Groundwater Authority, do certify that the following ordinance, on motion of Director \_\_\_\_\_, seconded by Director \_\_\_\_\_, was duly passed and adopted by the Board of Directors at an official meeting this \_\_\_\_ day of July 19, 2018, by the following vote:

**AYES:**

**NOES:**

**ABSENT:**

\_\_\_\_\_  
Clerk of the Board of Directors  
Indian Wells Valley Groundwater Authority

\_\_\_\_\_  
**Deputy Clerk**

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**THE BOARD OF DIRECTORS OF INDIAN WELLS VALLEY GROUNDWATER AUTHORITY  
ORDAINS AS FOLLOWS:**

**Section 1.** This Ordinance shall become effective 30 days from the date of adoption and the entire Ordinance shall be published in accordance with California Government Code section 25124.

**Section 2. Definitions.** As used in this Ordinance, the following terms shall have the meanings stated below:

**2.1** “**Authority**” means the Indian Wells Valley Groundwater Authority.

**2.2 “Basin”** means the Indian Wells Valley Groundwater Basin which is designated as basin number 6-54 in Department of Water Resources’ Bulletin No. 118.

**2.3 “De Minimis Extractor”** shall have the same meaning set forth in California Water Code section 10721(e).

**2.4 “Groundwater Extraction Facility (“Facility”)** means any device or method used for the extraction of groundwater from the Basin.

**2.5 “Groundwater Extraction Fee”** means the fee set forth in Section 3 below.

**2.7 “Groundwater Extractor”** means both the owner and the operator of a Groundwater Extraction Facility located within the Basin.

**2.8 “Water Resources Manager”** means the individual given said title and position with the Authority by the Board of Directors.

**Section 3. Groundwater Extraction Fee.** Effective September 1, 2018, and continuing until rescinded by the Board, all groundwater extractions from and within the Basin shall be subject to measurement and the Groundwater Extraction Fee of three dollars ~~and fifty cents~~ (\$3.050) per tenth (.10) of an acre foot for all groundwater extracted from the Basin. The Groundwater Extraction Fee shall be determined and paid on a monthly basis with water extraction measurements rounded down to the nearest tenth (.10) of an acre foot per month.

**Section 4. Groundwater Extraction Facility Registration.** No later than August 20, 2018, a Groundwater Extraction Facility within the boundaries of the Basin shall be registered with the Authority by the Groundwater Extractor. A Groundwater Extraction Facility is prohibited from extracting groundwater from the Basin if it is not registered by August 20, 2018 and said prohibition shall continue until the Facility is registered to the satisfaction of the Water Resources Manager.

~~Notwithstanding the foregoing, a Groundwater Extraction Facility that is used solely by a De Minimis Extractor shall register with the Authority before October 1, 2018. If such a Groundwater Extraction Facility is not registered by October 1, 2018, the Facility shall be prohibited from extracting groundwater until it is registered to the satisfaction of the Water Resources Manager.~~

A Groundwater Extraction Facility constructed after August 20, 2018 must register and must receive registration approval from the Water Resources Manager prior to the extraction of any groundwater from the Basin.

The registration of a Groundwater Extraction Facility shall be made to the satisfaction of the Water Resources Manager and, at a minimum, the registration shall include the following information: 1) the name and contact address of the owner and, if different, the operator of the Groundwater Extraction Facility; 2) the location of the Groundwater Extraction Facility; 3) the name and address of the owner of the land upon which the Groundwater Extraction Facility is located; 4) a description of the equipment associated with the Groundwater Extraction Facility; 5) a description of the method used by the owner and operator to measure groundwater extractions from the Groundwater Extraction Facility; 6) a statement describing whether the extracted groundwater is used for residential, commercial, industrial or agricultural purposes, or a combination thereof; and, 7) any other information that the Authority’s General Manager deems to be prudent and necessary

to achieve the legal purposes of the Authority.

The Water Resources Manager shall review all registrations and return, with corrective comment, any registration that does not meet the Water Resources Manager's approval. Approved registrations shall receive an approval notice from the Authority. A Groundwater Extraction Facility may not extract any groundwater from the Basin until it has received a registration approval notice.

**Section 5. Groundwater Extraction Measuring and Reporting Method.** Effective September 1, 2018, all groundwater extractions from, and within, the boundaries of the Basin shall be measured in a method approved by the Water Resources Manager and reported to the Authority by the Groundwater Extractor.

A Groundwater Extractor shall seek the Water Resources Manager's method approval through the submission of an Authority approved form before August 20, 2018. The Water Resources Manager shall review all method requests and return, with corrective comment, any method request that does not meet the Water Resources Manager's approval. Approved method requests shall receive an approval notice from the Water Resources Manager. A Groundwater Extraction Facility may not extract any groundwater from the Basin until it has received a method approval notice from the Water Resources Manager.

The preferred method for monitoring groundwater extractions shall be through a flow metering device approved by the Water Resources Manager. A secondary method shall be through use of electrical records and pump efficiency data. If the above options are not available, the Groundwater Extractor must seek and receive approval from the Water Resources Manager of an alternative method prior to September 1, 2018.

**Section 6. Groundwater Extraction Reporting and Fee Payment.** On the first day of each calendar month, a Groundwater Extractor shall read and record the necessary data for the measuring method used by the Groundwater Extraction Facility. Before the 10<sup>th</sup> day of each calendar month, the Groundwater Extractor shall self-report the necessary data from its Groundwater Extraction Facility on the self-reporting form provided by the Authority and pay the Groundwater Extraction Fee set forth in Section 3 above.

If unusual circumstances exist, a Groundwater Extractor may request that its Groundwater Extraction Facility be placed on a modified reporting and billing schedule approved by both the Authority's General Manager and the Water Resources Manager.

**Section 7. Delinquent Accounts.** As prescribed by California Water Code section 10730.6, if a Groundwater Extractor knowingly fails to pay the Groundwater Extraction Fee within thirty (30) days of the due date, it shall be deemed delinquent and such Groundwater Extractor shall be assessed interest at the rate of one (1) percent per month on the delinquent amount of the Groundwater Extraction Fee and a one-time penalty charge of ten (10) percent on the delinquent amount of the Groundwater Extraction Fee, in addition to the Groundwater Extraction Fee owed to the Authority.

As an additional remedy, following a noticed public hearing, the Authority may order the Groundwater Extractor to cease extraction of groundwater until all delinquent fees, interest and penalties are paid. The Authority shall give notice to the Groundwater Extractor by certified mail not less than 15 days in advance of the public hearing.

The above cited rights are in addition to those rights which the Authority may otherwise be prescribed by law.

**Section 8. Owner Responsibility.** The owner of a Groundwater Extraction Facility is the primary party liable for the payment of the Groundwater Extraction Fee, interest and penalties if an operator of a Groundwater Extraction Facility fails to comply with the provisions of this Ordinance. The owner of a Groundwater Extraction Facility shall provide the requirements of this Ordinance in any agreement entered into with well operators and water users.

**Section 9. New Groundwater Extraction Facility.** A Groundwater Extraction Facility constructed after the effective date of this Ordinance shall comply with the requirements set forth in this Ordinance prior to the extraction of any groundwater from the Basin at such Facility.

**Section 10. Use of Extraction Revenues.** Revenues collected through the Groundwater Extraction Fee program shall be used exclusively for the purposes authorized in California Water Code section 10730.

**Section 11. Violations.** Any violation of any provision prescribed in this Ordinance shall subject the violator to possible civil penalties and civil action by the Authority. The Authority's civil penalties and civil action rights are additional rights to those rights which may otherwise be prescribed to the Authority by law.

**Section 12. Exemptions.** As provided by law, and in particular California Water Code section 10730, federal entities are exempt from the provisions of this Ordinance, as are De Minimis Extractors, unless, and only if, the particular provision expressly provides otherwise.

**Section 13. Severability.** If any provision of this Ordinance, or its application to any person, entity, or circumstance, is held invalid or to any extent illegal or incapable of being enforced, such invalidity shall not affect other provisions or applications of this Ordinance that can be given effect without the invalid provision or application, and to this end the provisions of this Ordinance are severable.

**Section 14. California Environmental Quality Act.** The Board of Directors finds that this Ordinance is exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to California Public Resources Code section 21080(b)(8) and CEQA Guidelines section 15273(a) because it concerns the establishment of operational rates and charges. The Board of directors also finds this Ordinance is exempt from CEQA requirements pursuant to CEQA Guidelines section 15061(b)(3) because it can be seen with a certainty that this action will not have a significant effect on the environment. In addition, the Board of Directors finds this Ordinance is exempt from CEQA requirements pursuant to CEQA Guidelines section 15378(b)(5) because it involves administrative activities that will not result in direct or indirect physical changes in the environment. The Board of Directors therefore directs that a Notice of Exemption be filed with the County Clerk in accordance with the CEQA Guidelines.



## IWVGA ADMINISTRATIVE OFFICE

## MEMORANDUM

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**TO:** IWVGA Board Members **DATE:** July 19, 2018

**FROM:** Ronald Strand, IWVGA General Manager  
Alan Christensen, IWVGA Staff

**SUBJECT:** Approve Assessment Advance Agreement with the County of Kern

**DISCUSSION**

Financial resources to pay for Stetson Engineers and Indian Wells Valley Groundwater Authority (IWVGA) administration currently comes from three sources: 1) original contributions from the five agency members totaling \$75,000; 2) grant funding awarded to the County of Kern from the Department of Water Resources (DWR) for approximately \$250,000; and, 3) a funding advance of \$500,000 from the Indian Wells Valley Water District (IWVWD).

All these sources have either been expended or are coming in slowly to the IWVGA's coffers. The County's grant from DWR is paid on a reimbursement basis and those reimbursements are delayed up to seven months resulting in the need for cash-flow coverage by the IWVWD. But that cash influx from the IWVWD is anticipated to be fully expended by August 2018. The IWVGA has also been awarded a grant from DWR for approximately \$1 million, but receipt of funds from this grant is not anticipated until the beginning of 2019. Therefore, funds are needed to continue work on the Groundwater Sustainability Plan (GSP), which is the primary document the Authority needs to comply with the Sustainable Groundwater Management Act (SGMA). The deadline for completion of the GSP is January 31, 2020.

Although the IWVGA is currently considering imposing a groundwater extraction fee to fund the costs associated with preparing and adopting a GSP, the IWVGA is in need of additional funds to sustain monthly operations until the fee is implemented and Proposition 1 grant funding reimbursements begin to flow back to the Authority.

The purpose of the Assessment Advance Agreement is to provide the Authority with the initial funding capital to close the funding gap created by the delay in imposing a groundwater extraction fee, while simultaneously providing provisions that will ensure that the County's contributions are refunded to the County as the Authority becomes self-sufficient. In essence, the Agreement is an agency assessment to the County of Kern that calls for short-term payback. The agreement provides that the County will immediately deposit \$500,000 into the Authority's account.

The Agreement also provides that the County receives credit for money not reimbursed to the County and must be deducted from any future assessments, charges and/or fees imposed by the IWVGA on the County to fund the costs of the GSP and/or groundwater management. Additional standard provisions regarding accounting, dispute resolution and indemnity are also included in the Agreement. The language of the agreement is very similar to the original advanced funds agreement between the IWVGA and the Indian Wells Valley Groundwater Authority.

**RECOMMENDATION**

Staff recommends that the IWVGQ Board approve the Assessment Advance Agreement with the County of Kern for \$500,000.

**ASSESSMENT ADVANCE AGREEMENT BETWEEN  
THE COUNTY OF KERN AND THE INDIAN WELLS  
VALLEY GROUNDWATER AUTHORITY**

This Advanced Fees Agreement (the "Agreement") is entered into as of June 26, 2018 ("Effective Date"), between the County of Kern ("County") and the Indian Wells Valley Groundwater Authority, a Joint Powers Authority created pursuant to the provisions of California Government Code sections 6500 et seq., ("Authority"). County and Authority are sometimes hereinafter individually or collectively called a "Party" or the "Parties".

**RECITALS**

**WHEREAS**, the Authority was formed after enactment of the "Sustainable Groundwater Management Act" ("SGMA") for the purpose achieving groundwater sustainability through the adoption and implementation of a Groundwater Sustainability Plans ("GSP") for the Indian Wells Valley basin.

**WHEREAS**, the County is a General Member of the Authority.

**WHEREAS**, the Authority was initially funded with General Member contributions of Fifteen Thousand Dollars (15,000.00) each.

**WHEREAS**, the Authority is authorized to levy assessments against the General Members of the Authority pursuant to Article IX of the Joint Exercise of Powers Agreement and the County is in the unique position of having police powers over the majority of non-federal lands within the Basin that currently extract groundwater from the Basin.

**WHEREAS**, the Authority is authorized to levy assessments, charges and fees as provided in SGMA, including permit fees and groundwater extraction fees pursuant to California Water Code section 10730 to fund the costs, including preparation and adoption, of a GSP.

**WHEREAS**, the Authority is currently in the process of imposing a groundwater extraction fees pursuant to California Water Code section 10730 to fund the Authority costs, including preparation and adoption, of a GSP.

**WHEREAS**, the Authority is in need of additional funds to continue preparation of the GSP.

**WHEREAS**, given the County's unique position, the County has agreed to advance funds to the Authority in lieu of the Authority imposing any additional assessments on its General Members for the purpose of filing the funding gap that has been created by the delay in imposing a groundwater extraction fee.

**NOW THEREFORE**, in consideration of the foregoing Recitals, which are incorporated

herein by this reference, and of the covenants and agreements herein contained, the Parties hereto agree as follows:

1. Purpose. The purpose of this Agreement is to provide the Authority with the initial funding capital to close the funding gap created by the delay in imposing a groundwater extraction fee, while simultaneously providing provisions that will ensure that the County's contributions are refunded to the County as the Authority becomes self-sufficient.

2. Payment. County agrees to advance to the Authority up to Five Hundred Thousand Dollars (\$500,000.00) to fund preparation of the GSP and related Authority business. County agrees to immediately deposit with the Authority a sum of \$500,000 (Initial Deposit).

3. Reimbursement and/or Credit. The Authority hereby agrees that all monies paid by the County pursuant to this Agreement shall be subject to the following:

- (a) All money paid by the County pursuant to this Agreement shall have a first priority to reimbursement from other Authority funding sources, including Proposition 1 Grant funds, to the extent permitted by law.
- (b) The County shall receive credit for any money not reimbursed to the County pursuant to Section 2(a) herein, which shall be deducted from any future assessments, charges and/or fees imposed by the Authority on the County to fund the costs of the GSP and/or the costs of groundwater management pursuant to SGMA and/or the GSP.
- (c) The Parties reserve the right to mutually agree upon different terms subject to the written approval of the Parties.

4. Further County Payments. The Authority hereby agrees that it shall be an Authority priority to reimburse the County pursuant to Section 3 of this Agreement and this Agreement does not place an obligation on the County to pay any additional funds to the Authority.

5. Accounting. The Parties agree to each maintain separate and distinct accounting of any funds advanced by County pursuant to this Agreement. The Parties shall meet and confer on a monthly basis to compare and reconcile any discrepancies the Parties may have with respect to the accounting of County funds advanced pursuant to this Agreement.

6. Dispute Resolution. In the event there are disputes and/or controversies relating to the interpretation, construction, performance, termination or breach of this Agreement, the Parties shall in good faith meet and confer in an attempt to informally resolve such matter(s). If the Parties are unsuccessful in resolving such matter(s) through an informal meeting process, they may attempt to resolve such matter(s) through mediation, through arbitration under the rules and regulations of the American Arbitration Association or they may exercise whatever other legal rights and remedies they may have.



7. Indemnity. The Authority hereby agrees and undertakes to indemnify, defend and hold harmless the County, its officers, agents, volunteers and employees from any and all losses, costs, expenses (including reasonable attorneys' fees), claims, liabilities, actions or damages of any nature whatsoever, in any way arising out of or connected with or incident to or alleged to have arisen in any manner out of the County's performance of this Agreement or to have occurred as a result of any acts or omissions by the County, its officers, agents, volunteers and employees in the performance of this Agreement. Nothing herein shall alleviate the County from its obligations as a member of the Authority.

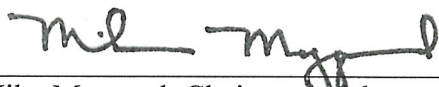
8. Termination. Either Party retains the right to terminate this Agreement, at its sole discretion, upon thirty (30) days written notice. Upon such termination, the Parties agree that any County funds advanced pursuant to this Agreement and/or further County payments shall be subject to the terms and provisions of this Agreement.

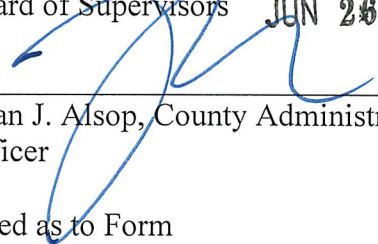
IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first above written.

**INDIAN WELLS VALLEY  
GROUNDWATER AUTHORITY**


By: \_\_\_\_\_  
Peggy Breeden, President  
Board of Directors

**COUNTY OF KERN**

By:   
Mike Maggard, Chairman of the  
Board of Supervisors JUN 26 2018

By:   
Ryan J. Alsop, County Administrative  
Officer

Approved as to Form

By:   
Phillip W. Hall,  
Deputy County Counsel

# MEMO

TO: Chairman Peggy Breeden  
 CC: Phil Hall, Jim Worth, Ron Strand, Alan Christensen, Don Zdeba, Steve Johnson  
 FROM: W Keith Lemieux  
 DATE: June 4, 2018  
 RE: Guidance for Meeting of the Technical Advisory Committee

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It has recently come to our attention that questions have arisen regarding the parliamentary procedures to be used at the Technical Advisory Committee ("TAC"). The following memorandum describes the process to be used at the TAC meetings.

The role of the TAC is to "... assist the Water Resources Manager in the preparation of the GSP." The procedure for TAC meetings is described in Section 5.13 as follows:

- "The Water Resources Manager shall ... set the agenda of each TAC meeting ..."
- The purpose of the meeting is to present a forum for the Water Resources Manager to present portions of the GSP in draft form to the TAC "so as to afford the TAC a reasonable opportunity to review and conduct a thorough evaluation prior to finalization of that technical element."
- TAC is empowered to submit two written reports in response to each GSP element: (1) "written recommendations to the Water Resources Manager" and (2) "written summaries of the range of TAC comments reflecting any areas of disagreement for consideration in the final preparation of any GSP Element."
- Rather than formally vote on the adoption of these written documents, the TAC is instructed to "strive for consensus."

The TAC is subject to the Brown Act. The Brown act requires that (1) the meeting be open and public; (2) that it be proceeded by a properly noticed agenda; and (3) that there is an opportunity for the public to comment. (These requirements are also reflected in sections 5.1 and 5.2 of the Bylaws). The Brown Act does not require that there be action items (i.e. voting items) on the agenda or that minutes be prepared for a meeting.

Therefore, the agenda for the TAC must be prepared by the Water Resources Manager and should be limited to two items: (1) public comment and (2) consideration of a particular GSP element. The TAC will then meet to discuss the GSP element and strive to build consensus at the meeting. That consensus will be reduced to two written documents which will then be submitted to the Water Resources Manager.

Section 5.2 of the Bylaws describes the general rules for standing committees. Section 5.2 requires the preparation of minutes to record action taken and requires a formal vote "for the passage of any motion." However, these requirements are superseded by the specific language of section 5.13. Instead of requiring a formal vote, section 5.13 directs the TAC to act through "consensus." Instead of requiring formal minutes, section 5.13 allows the TAC to submit "written recommendations to the Water Resources Manager."

Accordingly, the TAC may elect to formalize the development of a "consensus" on proposed GSP elements through the use of formal parliamentary procedure such as a motion and vote. However, this is not required by section 5.13. The TAC could instead choose to develop consensus based on a show of hands, or any other reasonable process. Likewise, rather than formal minutes, we would recommend that the Water Resources Manager keep of a record of the proceedings through an audio recording of the meeting.

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**IWVGA ADMINISTRATIVE OFFICE****MEMORANDUM**

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**TO:** IWVGA Board Members**DATE:** July 19, 2018**FROM:** Ronald Strand, IWVGA General Manager**SUBJECT:** Future Office Location for IWVGA Manager and Staff**DISCUSSION**

Staff is currently accepting applications to hire a part-time General Manager to manage the day-to-day activities of the IWVGA.

When the new General Manager is hired, staff believes the IWVGA should have its own local office. Currently, the Kern County Public Health Building, located at 250 W. Ridgecrest Blvd., is vacant. The building is in good condition and the IWVGA may be able to lease it from the County at a reduced cost.

Director Gleason requested this item be placed on the agenda for discussion.

**RECOMMENDATION**

Discuss and provide direction to staff.

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# **INDIAN WELLS VALLEY GROUNDWATER AUTHORITY**

Kern McGee Community Center, 100 W. California Ave, Ridgecrest, CA 93555

## **TECHNICAL ADVISORY COMMITTEE REPORT**

**Thursday, June 21<sup>st</sup>, 2018, Time 10:00 a.m.**

- Call to Order by both the PAC and TAC followed by Public Comments. A number of comments were given including groundwater supply issues, problems and locations of proper wells with timing and how will these things occur.
- Combined meeting report as follows:
  - Joint meeting opened by TAC chair and PAC chair.
  - Administrative Items included in separate TAC/PAC reports.
  - WRM provided an overview of the Pump Fee process, explained the GA Board's desire to get both TAC and PAC input on the draft Well Registration and Well Extraction Report Forms and the draft FAQ. WRM explained this joint meeting needs to be focused on the "three separate questions" provided to the TAC/PAC in advance. Many comments were then provided before the "questions" could be read, most comments were on-point to the three questions.
  - WRM then read each Question and took comments from the public and the TAC/PAC members.
  - WRM explained the process going-forward is to re-draft the Forms and FAQ, based upon the input provided, review the re-draft with the GA Staff Team, obtain GA Chair and Vice-Chair approval, and then place them on the GA Board's June 21<sup>st</sup> Agenda for approval.
- A 10 minute break was taken and the TAC only meeting portion began at 3pm. Items #3 and #4 were discussed. Previous May meeting minutes were accepted however a long discussion on how the minutes would be recorded along with Brown Act Motion and Voting. The TAC members understand the Brown Act is a guideline and may be used but is not required within the Agenda item while the WRM is following the Bi-Law requirements from the GA Board to instruct and work with the TAC.
- Verbal update on status of Prop 1 Grant funding by WRM.
- WRM Groundwater Modeling Ad-hoc meetings with DRI and TAC members has been setup.
- Recyclable water, conservation possibilities, alternative water and importation continued. WWTP discussion and septic tank with effluent usage were discussed. Timing, costs and construction of piping and treatment also discussed.
- Planned Future Agenda meeting items are Imported Water, Recycled water, Data Gaps—Weather Stations and Stream Gages, Modeling Schedule, and Pumping Fee
- The Future meeting dates for June, July and August have been set: The June Ad-hoc meeting will be held June 28<sup>th</sup>, the July TAC meeting will be 12<sup>th</sup>, a July/August Ad-hoc meeting is being developed and the August TAC meeting is scheduled for the 2<sup>nd</sup>.
- TAC member comments, a reminder of the Groundwater Resources Association summit meeting and preparation workshop June 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup>.
- **The TAC meeting was finished and adjourned at 5:35 pm.**

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PAC Report for IWVGA Board of Directors Meeting – June 21, 2018

The following actions and discussions took place at the May 31, 2018 PAC meeting. This meeting was approved as an alternate meeting for the June 7, 2018 PAC meeting.

Agenda item #1 – Roll call established that a quorum of 7 voting PAC members were present.

Agenda items #1 and #2 – Approval of March 1, 2018 minutes and Approval of March 29, 2018 minutes.

Agenda #3 – Approval of Future Meeting Dates: June 7, 2018 Informational meeting; Motion and approval for July 12 PAC meeting in lieu of July 5, 2018 PAC meeting. Other meeting announcements – Thursday June 21, 2018 at 3 PM presentation of model results for SKYTEM and the Stanford Groundwater GAT study. Friday July 20, 2018 at 9 AM at City Council Chambers, roll out of hydro geologic model of Stanford project to be shared with IWVGA.

**Motion and Approval - Not to have PAC and TAC meetings scheduled at the same time so that any member of the public can attend all meetings of the committees.**

Agenda item #4 – Review, Discussion, and potential action of Ordinance 02-18, Resolution 18 Establishing the Rules, Regulations and Procedures For the Imposition and Collection of Groundwater Extraction Fees and May 17, 2018 Groundwater Pumping Fee Data Package.

**Action approved to have an ad hoc committee of Chair Donna Thomas and David Janiec PAC representative for Business Interests prepare PAC Recommendations to submit June 1, 2018 to the IWVGA Board members, WRM Steve Johnson, IWVGA Staff members and legal counsels and ask for the Recommendations to be addressed as an item on the June 21, 2018 IWVGA Board of Directors agenda. The Recommendations will be based on the discussion by the PAC members and will address three main topics:**

- 1) how to approach communication to the public**
- 2) not focus on penalties**
- 3) look at all other options for funding the funding gap of the GA**

**PAC Recommendations document was prepared after PAC meeting the evening of May 31, 2018 and sent out for review to PAC members. 8 PAC members approved sending out the document “as is” on June 1, 2018.**

**See copy of the 5.31.18 PAC Recommendations attached to this report for Board review and discussion.**

Agenda item #5 – Discussion of Speaker Team Outreach Plan. David Janiec stated that the speaker team needs MORE speakers; there should be more meeting options for the speakers to engage the public; newspapers and other media venues should be given the speakers’ team schedule. A prioritization of groups to be contacted was indicated by asterisks placed in the list in the Communications and Engagement Plan. Nick Panzer had suggestions for two key policies to be addressed by speakers (see attached scan of his handout).

Agenda item #6 – POAM Review for PAC Input to provide comments to WRM. Any time the TAC finishes a topic or project on the POAM schedule, then the PAC should review and evaluate that topic for policy issues. Agreement by consensus that the PAC needs the data from the TAC before the PAC can review the specifics of any line item on the POAM in order to make policy recommendations.

Agenda item #7 Future Agenda Items. Suggestion that PAC be authorized to discuss the BMPS for Sustainable Groundwater Management in order to have a better understanding of those topics as decisions are made for the GSP Plan. The PAC would also like to discuss the IWVGA PAC/TAC Procedures Draft attachment to Derek Hoffman's letter for Gresham/Savage dated May 30, 2018. **We ask that any documents that will be going out to the public be sent to the PAC first for review prior to their release to the public.**

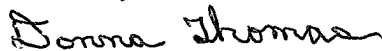
Other suggestions for future agenda items for consideration are included in attached documents presented to the PAC by committee member Nick Panzer and member of the public Stan Ratjora.

Agenda item #8 There were no committee member announcements or comments.

Agenda item #9 - Adjournment

The PAC meeting was adjourned at 5:20 PM to July 12, 2018 at the IWVWD Conference room at 6 PM.

Submitted by



Donna Thomas, IWVGA PAC Chair

June 12, 2018

Item 4 on Continued PAC meeting agenda May 31, 2018.

IWVGA PAC Compilation of review comments regarding Ordinance 02-18, and Resolution \_\_\_18 Establishing the Rules, Regulations and Procedures for the Imposition and Collection of Groundwater Extraction Fees and May 17, 2018 Groundwater Pumping Fee Data Package

PAC did not receive the data package for the Groundwater Extraction Fees dated May 17, 2018 in time to review the data before it was released to the public. Please make use of the PAC to review documents in advance of their release to the public.

Thank you for allowing the PAC to review the documents listed above as a result of the direction of the IWVGA Board at the May 17, 2018 meeting. We realize that our discussion and recommendations are late in the process that has been established prior to our review. However, please make use of our recommendations as the Board of Directors sees fit.

PAC members believe that there are communication and procedural complications in matters pertaining to the fees as proposed in the ordinance and the supporting information reviewed today in the Draft FAQ and Well Registration forms.

- 1) There has been a bad communication message sent from the start when penalties are stressed instead of the message of cooperation and public buy-in for the process of registering wells and reporting measuring of usage.

**RECOMMENDATION BY PAC:** A. De-couple the registration issue and process from the imposition of the fees. Allow the registration process and the issue of reporting how measuring of water usage will be accomplished to continue in parallel, yet separated and de-coupled, from the fee imposition process. De-emphasize penalties for registering wells and reporting measuring processes and focus on stressing the need for collection of data and community cooperation in the development of the Groundwater Sustainability Plan. Although SGMA authority provides for the imposition of the proposed pumping fee, we are uncertain of provision for well registration authority prior to adoption of the GSP.

B. Add an introduction in any public engagement documents (most specifically the FAQ) to clearly and simply communicate the challenge that all the residents of the IWV Water Basin face, why it is important to them, and what the benefit of completing and executing the GSP will mean for them. We are asking our residents to take ownership role and responsibility in sustaining our future viability. We need public trust and buy-in to make this effort successful and how we engage this fee will be the first impression we make.

- 2) A second issue is the urgency to set imposition of the fees and the short “turn around” time frame to start collecting the fees due to the current cash flow problem we face. There is a rush to establish the fees when we don’t have the basis in place for establishing the fees. We will just be beginning the process of collecting the data with the well registration and reporting of water usage forms and the meaningful cooperation of the public. We don’t yet know who will receive the benefits and who will bear the burdens.

We will learn more as the data is collected. There is the question of how to establish real and perceived equity in the fee structure.

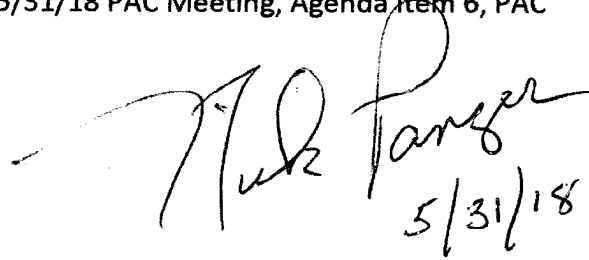
**RECOMMENDATION BY PAC:** Urgently review any alternative short-term funding options available. Delay the resolution to adopt the fees in order to allow for the data collection process to get underway. Set up a structure for a finance committee that will meet in public to look at other choices/alternatives for funding, including such ideas as requesting 50% advance funds from the Proposition 1 grants from DWR, exploring other revenue streams, other grants, and perhaps even looking at the possibility of setting up a low interest loan as an alternative to the fees.

Thank you for the opportunity to review, discuss and offer recommendations.

Recommendations prepared for members of IWVGA PAC by

Donna Thomas, IWVGA PAC Chair and David Janiec PAC representative for Business Interests

To fellow PAC members from Nick Panzer Re 5/31/18 PAC Meeting, Agenda Item 6, PAC REVIEW of POAM for Input to WRM

A handwritten signature in black ink, appearing to read "Nick Panzer", with the date "5/31/18" written below it.

#### DISCUSSION

DRAFT POAM, May 8, 2018, line 40, assigns responsibility to TAC starting 7/12/18 for **Discussion of Initial Sustainable Management Criteria**. That discussion topic begs two key **policy** questions for which the GSA, TAC and WRM may wish PAC input, namely

-What conditions indicate a significant and unreasonable decline in groundwater levels?

-How should we allocate sustainable yield to water uses?

Regards the first question, stakeholders must first describe in general terms the conditions that indicate a significant and unreasonable decline in groundwater levels before the GSA can set a measurable objective and minimum threshold for groundwater level as required by SGMA.

Regards the second question, unless artificial recharge proves feasible, we must reduce pumping by about 75% to operate within sustainable yield as required by SGMA. Such a large pumping reduction forces the GSA to prioritize groundwater uses among and within water use sectors (e.g., residential rate payers, domestic well owners, business, industry, agriculture, federal, managed recharge, native habitat).

#### POSSIBLE PAC ACTION

As a prelude to public workshops (and/or other public engagements) to address these two key policy questions, PAC could take a crack at answering them and delivering the results (consensus or otherwise) to the GSA, TAC, and WRM. This action could begin at our 7/12/18 PAC meeting if the GSA or the WRM so tasks us, and sets a deadline for completion.

## Proposed PAC discussion items

- 1) Do we need a GA presence in the Valley?
- 2) Do we need a full time rather than a part time GM? Would it cost more or less money?
- 3) Do we need a finance director, either part time or full time? Would it cost more or less money?
- 4) Do we need a dedicated GA lawyer to replace the plethora of agency lawyers? Would it be more or less effective? Would it cost more or less money?
- 5) Should the PAC and TAC vote on items brought before them.
- 6) Do we need a standing Finance Committee? What would this committee oversee?
- 7) The California Financing Coordinating Committee is made up of seven financing agencies, five state agencies and two federal agencies. Should we consider obtaining grants from these funding agencies?
- 8) Should we consider getting grants from other than CFCC agencies, such as the Inyo Mono IRWMG?
- 9) What alternative funding sources should we investigate such as Kern County for agriculture or San Bernardino County for Searle's Valley Minerals?
- 10) Should the comment period for the GA, TAC, and PAC be extended from 3 minutes to 5 minutes to be common with the City of Ridgecrest and the IWV Water District?
- 11) Should the GA meet in the evening when more people can attend rather than in the morning?
- 12) How should the GA be implementing DAC outreach?

Stan Rajtora, May 31, 2018



**Oral Addendum to PAC Report for June 21, 2018 IWVGA Board of Directors meeting. To be read after the completion of the written PAC Report.**

I had a discussion with IWVGA Chair Peggy Breeden this morning (June 12, 2018) and, rather than having a separate agenda item for the PAC Recommendations (prepared directly after the May 31, 2018 PAC continued meeting at Kerr McGee), the Recommendations will be considered along with other public input and used to prepare a revised Ordinance 02-18 document that will be on the June 21, 2018 IWVGA Board of Directors agenda for discussion and approval.

I did follow up with Steve Johnson, Water Resources Manager, asking questions about clarification of the procedure for requesting that an item be placed on IWVGA Board of Directors agenda. Questions included to whom the request is made; what is the timeframe for the request; who makes the decision as to whether it is placed on the agenda; how and when is response made to the requesting entity.

He told me : Let's see what the attorney's tell us. If you/PAC wants something on the Ga Agenda- 1<sup>st</sup> it has to be something the GA asked for, and 2<sup>nd</sup>-it would be good to keep it short/sweet, e.g.- A. Pac recommends the Pump Fee be delayed until\_\_\_\_\_ - Or B. PAC recommends the GA fund the GSP using \_\_\_\_\_

My response : My job is to report on the discussion, actions recommended and actions taken by the PAC and pass along information and recommendations to you, the staff and the Board members.

Donna Thomas, IWVGA PAC Chair      June 12, 2018

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## PAC Report for IWVGA Board of Directors Meeting – July 19, 2018

The following actions and discussions took place at the July 12, 2018 PAC meeting. This meeting was approved as an alternate meeting for the July 5, 2018 PAC meeting.

Agenda item #1 – Roll call established that a quorum of 7 voting PAC members were present. Question raised as to whether Steve Johnson or any member of the Stetson team was in attendance. Request that some knowledgeable member representing the WRM team attend each PAC meeting (could possibly be done by Skype or teleconference call).

Agenda item #2 – Approval of May 31, 2018 minutes with one correction.

Agenda #3 – No public comments.

Agenda item #4 – Lengthy discussion regarding recommendations from PAC members regarding how to implement “Full” well registration. List of discussion items will be included in the July 12, 2018. The discussion items included, but were not limited to, the following:

- need to discover what is holding up more complete data being provided by Kern County and Kern County Department of Environmental Health;
- call for notification by mailings by APN numbers with a question – do you have a well, if so, please respond
- emphasize benefits and need for well information; focus on fact that domestic well owners will be “first to suffer”; we all share a common aquifer
- prepare some fact sheets for the public
- perhaps funding purchase of meters- at cost or with a group buy- (and cover installation costs) for domestic well owners
- provide a grace period for registration and delay enforcement options
- inquire whether Kern County Water Agency can get the well data and help prepare the maps required for Task 12c in the GSP development (map of well locations and map showing density of wells per square mile)

Agenda item #5 – Discussion of Speaker Team Outreach Plan. Please refer to May 31, 2018 minutes for discussion of this item.

Agenda item #6 – POAM Review for PAC Input to provide comments to WRM. Chair provided an outline from Proposition 1 proposal for Chapters and tasks to be accomplished for development of GSP (see attached). An Ad hoc committee was appointed to identify tasks and link them to POAM items that should be reviewed by the PAC. The Ad hoc committee will report at the August 2, 2018 PAC meeting.

Agenda item #7 – Alternative funding sources/additional grants. An Ad hoc committee will review some options for funding sources for additional grants. The Ad hoc committee will report at the August 2, 2018 PAC meeting.

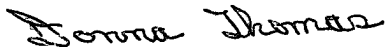
Agenda item #8 Future Agenda Items. Discussion of e-mail sent to PAC chair with list of suggested items for August 2, 2018 PAC agenda and September 6, 2018 PAC agenda..

Agenda item #9 There were no committee member announcements or comments. However, representatives of Domestic Well Owners presented a comment letter to members of the GA, TAC and PAC referencing the GA memo dated June 4, 2018 from W. Keith Lemieux to Peggy Breeden (see attached).

Agenda item #10- Adjournment

The PAC meeting was adjourned at approximately 8:25 PM to August 2, 2018 at the IWVWD Conference room at 6 PM.

Submitted by



Donna Thomas, IWVGA PAC Chair

<sup>16</sup>  
7/12/18  
<sup>16</sup>  
July 12, 2018

**POAM Review for PAC Input**

**PAC review of each Chapter as drafted**

**Chapters of GSP Work Plan**

Executive Summary

Chapter 1: Introduction

Chapter 2: Plan Area and Basin Setting

Chapter 3: Sustainable Management Criteria

Chapter 4: Projects and Management Actions to Achieve Sustainability Goal

Chapter 5: Plan Implementation

Chapter 6: References and Technical Studies

**PAC Review of Proposition 1 Attachment 4 GSP Work Plan Tasks and sub-tasks**

Task 1a Model Development; hydrogeologic conceptual model (HCM) - \$926,400

Task 1b Develop numerical Groundwater Model

Task 2 Salt and Nutrient Management Plan Development - \$80,000

2a – 2c

Task 3 Data Management System - \$357,400

3a – 3e

Task 4 Identify and evaluate Hydrogeologic Data Gaps - \$66,700

4a, 4b

Task 5 Monitoring wells - \$618,000

5a – 5c

Task 6 Stream Gages – 2 new stream gages - \$148,500

6a – 6c

Task 7 Weather Stations - 2 automated weather stations - \$84,200

7a – 7c

Task 8 Water Quality and Stable Isotope Sampling and Analysis - \$108,700

8a, 8c

Task 9 Aquifer tests - \$172,300

9a, 9b

Task 10 Imported Water Study - \$175,000

10a – 10d

Task 11 Recycled Water Study - \$61,000

11a – 11e

Task 12 GSP Development and Compilation

12a – 12i (Project Management- \$57,694.39), 12j(Stakeholder/DWR Coordination - \$48,592.87)

July 12, 2018

**To:** IWVGA Board Chair Peggy Breeden

**From:** Members of the GA TAC and PAC representing the domestic well owners

**Subj:** GA Bylaws modification and meeting procedure "guidance" given to the TAC and PAC

**Ref:** GA memo dated June 4, 2018, from W. Keith Lemieux to Peggy Breeden

- 1) On March 15, 2017, the GA Board approved a "clarified" section 5.2 of the Bylaws. These changes were stated by Mr Phil Hall to not materially change anything from the original Bylaws wording, even though this new section explicitly states that the TAC will not offer motions or vote on anything on its agenda. **This is not what the original Bylaws intended, witness the specific naming of voting and nonvoting members to the Committee.** This redirection has gone so far as to claim that the TAC does not have the authority to approve its own minutes and that minutes will no longer be transcribed at all! Such changes in customary parliamentary procedures amount to unprofessional function for a Committee charged with providing accurate and defensible technical advice. Many other TAC and PAC members agree with our position that this change has a very undesirable effect of promoting confusion, inefficiency and mistrust.
- 2) There is a serious misconception about the function of the TAC. It is often stated that the Committee should strive for "consensus". The concepts behind the word come from the political and legal world not the science world. We all agree that the TAC recommendations should be based on the Basin geology and hydrology science. **Science is not based on opinion, speculation or on consensus but on facts that are brought forth by careful observation and measurement. It is this deliberate and precise aspect of the sciences that demands careful documentation and record keeping.**
- 3) The PAC has not been assigned any substantive agenda items dealing with policy and has been forbidden from discussing specific policy topics that the PAC assigned itself. **The PAC should be empowered to develop alternative policy recommendations for consideration by the GA, to reflect the interests of the various uses and users of water.** This would provide a forum for all water users in the valley, including the public, to influence the recommended policy alternatives. Without this forum there is almost no opportunity for the public to offer input to the policy decision process, given the very limited time allotted for public comment at GA meetings and the fact that the GA minutes do not capture the content of the public's verbal comments. If the PAC is not allowed to discuss policy topics, then it has no mechanism to interface with the public.
- 4) Given the serious, complicated nature of the future IWV Basin groundwater supply problem and the very short time remaining to put in place a technically correct and functional sustainability plan, there can be no justification for interfering with proper and efficient functioning of either public committees, the TAC and PAC. The friction that has built up over the past year between the GA Board and the public simply keeps getting worse. **Looked at objectively, the lack of appreciation shown by the Board and legal staff of the full capabilities of the Committees is impossible to understand.** Legal staff is trying to somehow perfect an operating plan to its vision without recognizing the consequences to the enterprise in its entirety.
- 5) We have repeatedly pointed out that the membership of both the PAC and the TAC contains many individuals with impeccable credentials and experience in many areas specific to the GSP creation. This experience includes technical and scientific capability,

and complex program management, often under very strong political influence. **The Board is incredibly fortunate to have such Committees. By ignoring this volunteer capability a great opportunity is being wasted.** By trying to keep the Committees on a short leash, the very public participation that the Board repeatedly claims is a critical component of a successful plan is being limited and damaged. Why?

- 6) If the GA enterprise continues on its present path and schedule without even starting many of the politically and technically difficult elements, we are surely going to fail. This is not a casual observation. A significant part of the cause of the delays we see is a failure to actually clearly state what the GSP is intended to do. The POAM identifies a path but the path is not prioritized so that the major elements have the essential emphasis. For example, we spent four months with minor aspects of a reclaimed water study that cannot be realistically justified under any plan.
- 7) In the criticisms of this letter there is no attempt to deny the responsibility that has been given to the WRM. However, it must be realized that Stetson Engineers is limited in many ways that the TAC and PAC specifically can remedy. The PAC must be energized and given enough freedom to attack the difficult policy issues that remain untouched. **We absolutely cannot solve our water shortfall with local solutions. That said, there must be a prioritization of usage to manage what water we do have in the Basin. There needs to be an all-stops-pulled effort to identify and secure an imported water supply. There are strong technical and policy issues in these efforts that must be worked through now.**
- 8) Those of us who volunteered for these Committees did so realizing the difficulties ahead. What we did not realize was that our own Board would be the source of many unnecessary delays and stumbles. **We are still in full respect and support of the Board's stated intention to put in place and execute a proper sustainability plan.** However, we cannot just sit back and watch current difficulties take place without stepping forward with our suggestions and renewed efforts. The words in this letter will seem harsh but the intention is to provide accurate and important constructive criticism.

Signed

Don Decker

Lyle Fisher

West Katzenstein



Cc: Phil Hall, W. Keith Lemieux, Jim Worth, Ron Strand, Alan Christensen, Don Zdeba, Steve Johnson, Donna Thomas, Adam Bingham and Lauren Duffy.

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