



**REVISED**

**GROUNDWATER EXTRACTION FEE**

**DATA PACKAGE**

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## **Exhibit 1: IWVGA Staff Report**

# IWVGA ADMINISTRATIVE OFFICE

*Memorandum*

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**TO:** IWVGA Board Members **DATE:** July 16, 2020

**FROM:** IWVGA Staff

**SUBJECT:** SECOND READING AND ADOPTION, Ordinance No. 02-20 – Amending Ordinance No. 02-18 Establishing Groundwater Extraction Fees and the Rules, Regulations and Procedures For Their Imposition and Supporting Data Package Providing for an Increased Pumping Fee.

## DISCUSSION

On June 21, 2018, the Indian Wells Valley Groundwater Authority (“IWVGA”) Board of Directors (“Board”) set the original Groundwater Extraction Fee at \$30.00 per acre foot (“A/F”) to finance the development and adoption of the Groundwater Sustainability Plan (“GSP”). Ordinance No. 02-18 – Establishing Groundwater Extraction Fees and the Rules, Regulations and Procedures for their Imposition was subsequently adopted on July 19, 2018 and the fee became effective September 1, 2018.

The fee was intended to generate \$1,522,384.00 in approximately 24 months to finance the estimated costs to develop and adopt the GSP. To date, the fee has only generated around \$750,000 due to less than estimated pumping by those subject to the fee. This, along with additional studies and costs to develop the GSP have created a budget deficit and cashflow problem that needs to be addressed. The Board has directed staff to develop a revised groundwater extraction fee (“Revised Fee”) to address the GSP development costs and time needed to pay off these costs. Ordinance No. 02-20 is one component in implementing the Revised Fee.

### Authority to Increase Fees:

The existing Groundwater Extraction Fee was imposed pursuant to California Water Code Section 10730 (“Section 10730”), which was enacted through the California Sustainable Groundwater Management Act (“SGMA”). Section 10730 authorizes the IWVGA to not only impose, but also increase a fee pursuant to Section 10730. Accordingly, staff recommends the IWVGA Board increase the amount of the existing fee. Section 10730(a) states in part as follows:

- (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.

In addition, Water Code Section 10725.2(a) authorizes the IWVGA to “perform any act necessary or proper to carry out the purposes of this part” [SGMA].

### Exempted Pumpers:

As with the original extraction fee, de minimis pumpers<sup>1</sup>, the United States Navy (“Navy”) and United States Department of Interior Bureau of Land Management (“BLM”) are not subject to the revised extraction fee. SGMA exempts federal agencies from the requirements of SGMA and prohibits the imposition of fees on de minimis extractors unless regulated pursuant to SGMA.<sup>2</sup>

### Public Engagement:

Before imposing or increasing a fee, a GSA shall hold a public meeting, “at which oral or written presentations may be made” (Section 10730(b)). The GSA must provide notice prior to the meeting, pursuant to California Government Code Section 6066, including the time and place of the public meeting, “a general explanation of the matter to be discussed and a statement that the data required by this section is available.” *Id.* At least 20 days prior to the meeting, the GSA “shall make available to the public data upon which the proposed fee is based. *Id.* After the public meeting, the fee shall be imposed or increased “only by ordinance or resolution.”

### Gap Funding Requirement:

Initially, it is important to note that although the GSP has been adopted, GSP preparation costs don’t necessarily end upon adoption. The original estimates used for the original fee were made in June 2018. Since that time, staff has become more knowledgeable about what is needed to complete the GSP. Staff, along with the Water Resources Manager (“WRM”), updated the original costs estimated to prepare the GSP. Additional tasks and the associated costs to complete the GSP were also identified. Additional revenue has also been added. The following provides an overview of the items included in this revised budget (see Table on page 4 and Exhibit 2, Data Package for supporting attachments for budget items).

Expenditures: The “Original Estimate” column shows the original estimates used to calculate the original fee, excepting the Proposition 1 grant award of \$646,000 for SDAC projects which is not included as the SDAC projects are fully funded by the grant and have no impact on the GSP budget or the fee. As shown, the Gap Funding needed was originally estimated at \$1,522,384. The “Revised Estimate” column provides updated estimates and also identifies “Additional Tasks” not included in the original fee calculation. The Revised Estimates were used to calculate the Revised Fee. The “Variance” column provides the difference between original and revised estimates.

The WRM estimated the total cost of developing and adopting the GSP to be about \$3.1 million which was very close to budget. The \$87,600 for the USGS Recharge Study remains the same. The WRM initially identified \$435,250 in estimated costs not covered by the Proposition 1 grant for the WRM’s support of the IWVGA. Those “support costs” are now estimated at \$991,402. The WRM has also identified new “Additional Tasks” needed to complete the GSP estimated at \$934,992. The Water Importation Marketing Analysis consists of costs needed for GSP development (\$102,349). Water importation costs not needed for GSP development have

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1 “De minimis extractor” means a person who extracts, for domestic purposes, two acre-feet or less per year (California Water Code Section 10721(e)).

2 For purposes of this Proposal, any reference to groundwater pumpers excludes de minimis extractors, the Navy and BLM unless otherwise specified.

been tracked and paid by those needing an imported water supply. IWVGA Administrative Costs originally estimated at \$161,500 have been reduced to \$24,968. Legal costs, originally estimated at \$200,000, have been increased \$500,000 for anticipated litigation. The City of Ridgecrest Reimbursable Costs originally estimated at \$210,466 for services and facilities increased \$76,667 for a new total of \$287,133. The \$500,000 advances by Indian Wells Valley Water District and Kern County have also been included as these advances must be repaid. Finally, the reserve in the amount of \$227,268 has been removed. Total expenditures for preparation of the GSP are now estimated at \$7,059,574.

Revenue: The California Department of Water Resources (“DWR”) awarded the IWVGA a Proposition 1 grant award of \$1.5 million for development of the GSP. The GSP development grant award requires a \$1.5 million local match. More than two-thirds (\$1,157,300) of the local match requirement was achieved with in-kind services and existing investments by parties in the Basin. The Initial General Member Agency Contribution of \$75,000 reflects the \$15,000 provided by each of the 5 General Members pursuant to the Joint Exercise of Powers Agreement creating the IWVGA (Section 9.02). The Proposition 1 Distressed Counties Grant total is \$250,000 which includes payment for the USGS Recharge Study and other GSP support costs. The total Proposition 1 Distressed Counties Grant revenue has been increased from \$170,000 to \$225,501 based on monies received. The revenue from the Pumping Fee, originally estimated at \$1,522,384, has been reduced to just over \$750,000 based on actual revenue collected. Finally, the Proposition 68 grant of \$300,000 has been added as revenue as well. Total revenue is estimated at \$5,027,984.

The following table summarizes all of these estimated financial impacts resulting in a total estimated Gap funding requirement of \$2,031,590 which the proposed pumping fee would address:

Budget Items	Original Estimate	Revised Estimate	Variance
<b>EXPENDITURES</b>			
<b>GSP Preparation</b>	<b>\$3,102,600</b>	<b>\$3,086,960</b>	<b>\$15,640</b>
<b>USGS Recharge Study</b>	<b>\$87,600</b>	<b>\$87,600</b>	
<b>IWVGA Support Costs</b>	<b>\$435,250</b>	<b>\$991,402</b>	
Stetson-IWVGA /TAC/PAC Coordination	\$144,250	\$543,677	(\$399,427)
Stetson-Prop 1 Application/Reporting	\$103,000	\$207,468	(\$104,468)
Stetson-Schedule/Budget Management (POAM)	\$52,000	\$34,779	\$17,221
Stetson-Groundwater Pumping Fee Support	\$121,500	\$190,710	(\$69,210)
Stetson-Database Management Coordination (Ramboll)	\$10,000	\$10,298	(\$298)
Stetson - CASGEM Coordination	\$4,500	\$4,470	\$30
<b>IWVGA Administrative Costs</b>	<b>\$161,500</b>	<b>\$24,968</b>	
GSA Board Meetings	\$42,000		\$42,000
Consultant Management and GSP Development	\$24,500		\$24,500
Financial Management	\$8,500		\$8,500
Community Outreach	\$21,000		\$21,000
Budget Development & Admin	\$12,500		\$12,500
PAC/TAC Meetings	\$19,000	\$6,142	\$12,858
Travel	\$6,000	\$635	\$5,365
Insurance	\$15,000	\$9,967	\$5,033
Conferences/Training	\$3,000		\$3,000
Miscellaneous	\$10,000	\$8,224	\$1,776
<b>City of Ridgecrest Reimbursable Costs</b>	<b>\$210,466</b>	<b>\$287,133</b>	<b>(\$76,667)</b>
<b>Legal Costs</b>	<b>\$200,000</b>	<b>\$646,519</b>	<b>(\$446,519)</b>
<b>Reserve</b>	<b>\$227,268</b>		<b>\$227,268</b>
<b>Additional Tasks</b>		<b>\$934,992</b>	
Stetson - Data Management System Development		\$48,596	(\$48,596)
Stetson - Model Review		\$31,300	(\$31,300)
Stetson - GSP Management		\$39,634	(\$39,634)
Stetson - DWR Technical Support Services		\$10,096	(\$10,096)
Stetson - Brackish Water Study Coordination		\$23,113	(\$23,113)
Stetson - Imported Water Coordination for GSP		\$46,075	(\$46,075)
Stetson - Allocation Process Development		\$226,470	(\$226,470)
Stetson - Prop 68 Application/Processing		\$105,383	(\$105,383)
Stetson - Pumping Verification		\$125,000	(\$125,000)
Stetson - Sustainable Yield Report		\$15,000	(\$15,000)
Stetson - GSP Annual Report		\$40,000	(\$40,000)
Stetson - Following Program Development		\$25,000	(\$25,000)
Stetson - Allocation Workshop/Meetings		\$8,000	(\$8,000)
Stetson - Develop GSP Rules/Regulations		\$10,000	(\$10,000)
Stetson - Coordination with DWR on GSP		\$30,000	(\$30,000)
Stetson/DRI - Review of Groundwater in Storage and HCM		\$42,700	(\$42,700)
Audit		\$6,276	(\$6,276)
Water Importation Marketing Analysis for GSP		\$102,349	(\$102,349)
<b>County Loan</b>		<b>\$500,000</b>	<b>(\$500,000)</b>
<b>IWVWD Loan</b>		<b>\$500,000</b>	<b>(\$500,000)</b>
<b>Total Expenditures</b>	<b>\$4,424,684</b>	<b>\$7,059,574</b>	<b>(\$2,634,890)</b>
<b>REVENUE</b>			
<b>Proposition 1 Grant Award</b>			
GSP Preparation	\$1,500,000	\$1,500,000	
<b>In-kind Services</b>	<b>\$1,157,300</b>		
U.S. Navy/Federal/Searles in-kind Services	\$1,097,300	\$1,097,300	-
IWVWD/CITY in-kind Services	\$60,000	\$80,000	\$20,000
<b>Initial General Member Agency Contribution</b>	<b>\$75,000</b>	<b>\$75,000</b>	
<b>Proposition 1 Distressed Counties Grant</b>	<b>\$170,000</b>	<b>\$225,501</b>	<b>\$55,501</b>
<b>Pumping Fee</b>		<b>\$750,183</b>	<b>(\$772,201)</b>
<b>Kern County Loan</b>		<b>\$500,000</b>	<b>\$500,000</b>
<b>IWVWD Loan</b>		<b>\$500,000</b>	<b>\$500,000</b>
<b>Prop 68</b>		<b>\$300,000</b>	<b>\$300,000</b>
<b>Total Revenue</b>	<b>\$2,902,300</b>	<b>\$5,027,984</b>	<b>\$603,300</b>
<b>Gap Funding Needed</b>	<b>\$1,522,384</b>	<b>(\$2,031,590)</b>	<b>(\$2,031,590)</b>

Calculation of Fees:

The standard volumetric fee would be imposed on each Groundwater Extractor pumping groundwater and would be based on the amount of groundwater pumped. Groundwater Extraction Fees would be imposed based on the amount of groundwater pumped in relation to the funds required to prepare the GSP. We know that \$2,031,590 is needed to finance the GSP (Exhibit 2, Data Package). Since the original groundwater extraction fee was imposed, the IWVGA now requires monthly reporting by groundwater pumpers and pumping verifications are required as well. All of the sources have been used to refine and confirm anticipated pumping. These pumpers include the City, Kern County, IWVWD, Inyokern CSD, small mutuals and Searles Valley Minerals. (See Sustainable Yield Allocation attached as Exhibit 3 to the Data Package).

Estimated groundwater pumping by those subject to the fee is 10,000 A/F annually. A Groundwater Extraction Fee of \$210 per acre foot would generate \$2,031,590 in approximately one year. The lower the fee, the longer it takes until the GSP costs are paid.

Below are alternatives to collect the \$2,031,590 based on 10,000 A/F of annual pumping. Staff's recommended amount for the Revised Fee is in parenthesis depending on the duration of the fee selected.

IWVGA Pumping Fee Alternatives	
<b>Required Fund Gap</b>	\$2,031,590
<b>Assumed Total Pumping</b>	10,000 acre-feet
<b>Duration (Years)</b>	<b>Fee</b>
1	\$203.16 (\$210)
1.5	\$135.44 (\$140)
2	\$101.58 (\$105)
2.5	\$81.26 (\$85)

Staff is recommending a revised Groundwater Extraction Fee of (\$140) which should finance the final costs to prepare the GSP in approximately 18 months.

Groundwater Extractors Identification and Well Registration:

Existing Groundwater Extractors who would be charged the proposed fee were identified using well registrations required by Ordinance 02-18 imposing the original fee and Ordinance 01-19 which required all wells to be registered by October 1, 2019. (See list of registered non de minimis wells attached as Exhibit 4 to the Data Package). IWVGA and County records and other available public documents were also used to identify pumpers subject to the fee. The list of wells in IWV basin continues to be updated and verified.



### Groundwater Extraction Measurement Method:

On March 19, 2020, the Board adopted Ordinance No. 01-20 – Requiring the Installation of, Use and Reporting on Metering Equipment for Groundwater Extraction Facilities in the Indian Wells Valley Groundwater Basin. Ordinance No.01-20 requires non de minimis pumpers to install an approved water meter on all wells. The Board also adopted Resolution No. 02-20 – Adopting Groundwater Well Flowmeter Standards for the Indian Wells Valley Groundwater Basin. The Resolution sets standard specifications and provides a list of approved meters and contractors to install and test the wells. The IWVGA requires monthly reporting by groundwater pumpers and pumping verifications as well. Moving forward, extractions will be measured using water meters that have been approved by the WRM.

### Groundwater Extraction Reporting and Fee Payment.

Commencing on the first day of each month, Groundwater Extractors shall read and record the needed data for the measuring method used by the Groundwater Extraction Facility. By the 10<sup>th</sup> day of each calendar month, the Groundwater Extractor shall self-report the needed data from their Groundwater Extraction Facility on the self-reporting form provided by the IWVGA. Additionally, the Groundwater Extractor shall simultaneously pay the Groundwater Extraction Fee provided for on the Form. Payments would be made to the IWVGA. Payments not made with thirty (30) days of becoming due would be considered delinquent. The reporting and payment terms will not change for the revised fee.

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

### Delinquent Accounts:

Water Code Section 10730.6 of SGMA authorizes the IWVGA to collect groundwater fees imposed pursuant to Section 10730 and provides multiple remedies that the IWVGA may pursue to collect delinquent accounts. As prescribed by California Water Code section 10730.6, if the owner and/or operator of a Groundwater Extraction Facility knowingly fails to pay the Groundwater Extraction Fee within thirty (30) days of it becoming due, it is delinquent and the owner and/or operator shall be liable to the IWVGA 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.

As an additional remedy, the IWVGA may, after a public hearing, order an owner and/or operator to cease extraction of groundwater until all delinquent fees, interests and penalties are paid. In such an instance, the IWVGA shall give notice to the owner and/or operator by certified mail not less than 15 days in advance of the public hearing.

These above cited rights are additional rights to those rights which the IWVGA may otherwise be prescribed by law.

### RECOMMENDATION

Staff recommends that your Board:

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 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, waive further reading and vote on adoption: Ordinance No 02-20 Amending Ordinance No. 02-18 Establishing Groundwater Extraction Fees and the Rules, Regulations and Procedures for the Imposition. **(Note: the ordinance may be described by reading only the title if the Board waives the full reading earlier in the meeting.)**
3. Authorize staff to do all things necessary to implement the Revised Groundwater Extraction Fee.

## **Exhibit 2: Estimated Costs Required to be Funded by the Revised Groundwater Extraction Fee**

### **Supporting Attachments**

- Proposition 1 Application Budget Tables
- Revised IWVGA Support Costs
- City of Ridgecrest Reimbursable Costs Budget Breakdown
- Advance Agreement Between Kern County and the IWVGA
- Advanced Funds Agreement Between the Indian Wells Valley Water District and the IWVGA
- Final Proposition 1 Funding Recommendations
- Final Proposition 68 Round 3 Final Award List

Budget Items	Original Estimate	Revised Estimate	Variance
<b>EXPENDITURES</b>			
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<b>Additional Tasks</b>		<b>\$934,992</b>	
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Stetson - Sustainable Yield Report		\$15,000	(\$15,000)
Stetson - GSP Annual Report		\$40,000	(\$40,000)
Stetson - Fallowing Program Development		\$25,000	(\$25,000)
Stetson - Allocation Workshop/Meetings		\$8,000	(\$8,000)
Stetson - Develop GSP Rules/Regulations		\$10,000	(\$10,000)
Stetson - Coordination with DWR on GSP		\$30,000	(\$30,000)
Stetson/DRI - Review of Groundwater in Storage and HCM		\$42,700	(\$42,700)
Audit		\$6,276	(\$6,276)
Water Importation Marketing Analysis for GSP		\$102,349	(\$102,349)
<b>County Loan</b>		<b>\$500,000</b>	<b>(\$500,000)</b>
<b>IWVWD Loan</b>		<b>\$500,000</b>	<b>(\$500,000)</b>
<b>Total Expenditures</b>	<b>\$4,424,684</b>	<b>\$7,059,574</b>	<b>(\$2,634,890)</b>
<b>REVENUE</b>			
<b>Proposition 1 Grant Award</b>			
GSP Preparation	\$1,500,000	\$1,500,000	
<b>In-kind Services</b>	<b>\$1,157,300</b>		
U.S. Navy/Federal/Searles in-kind Services	\$1,097,300	\$1,097,300	-
IWVWD/CITY in-kind Services	\$60,000	\$80,000	\$20,000
<b>Initial General Member Agency Contribution</b>	<b>\$75,000</b>	<b>\$75,000</b>	
<b>Proposition 1 Distressed Counties Grant</b>	<b>\$170,000</b>	<b>\$225,501</b>	<b>\$55,501</b>
<b>Pumping Fee</b>		<b>\$750,183</b>	<b>(\$772,201)</b>
<b>Kern County Loan</b>		<b>\$500,000</b>	<b>\$500,000</b>
<b>IWVWD Loan</b>		<b>\$500,000</b>	<b>\$500,000</b>
<b>Prop 68</b>		<b>\$300,000</b>	<b>\$300,000</b>
<b>Total Revenue</b>	<b>\$2,902,300</b>	<b>\$5,027,984</b>	<b>\$603,300</b>
<b>Gap Funding Needed</b>	<b>\$1,522,384</b>	<b>(\$2,031,590)</b>	<b>(\$2,031,590)</b>

## Excerpt from Prop 1 Grant Application

**Table 5 - Proposal Budget**

<b>Proposal Title: Indian Wells Valley Groundwater Basin - Groundwater Sustainability Plan Development and SDAC Groundwater Conservation Pilot Project</b>						
	Individual Project Title	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund	(c) Other Cost Share	(d) Total Cost	(e) % Cost Share
1	Indian Wells Valley Groundwater Basin - Groundwater Sustainability Plan Development <sup>1</sup>	\$1,500,000	\$1,602,600	\$0	\$3,102,600	52%
	Proposal Total	\$1,500,000	\$1,602,600	\$0	\$3,102,600	52%

1. Sources of funding from the IWVGA (including Kern County, Inyo County, San Bernardino County, Indian Wells Valley Water District, and City of Ridgecrest), Searles Valley Minerals, and from the U.S. Navy. A breakdown of funding sources is provided in Table 4.

**Table 4 - Project Budget**

**Proposal Title: Indian Wells Valley Groundwater Basin - Groundwater Sustainability Plan Development and SDAC Groundwater Conservation Pilot Project**

**Project Title: Indian Wells Valley Groundwater Basin - Groundwater Sustainability Plan Development**

**Project serves a need of a DAC?:**  Yes  No

**Cost Share Waiver Request?:**  Yes  No

Tasks		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
<b>Objective 1</b>					
1	<u>Task 1 - Model Development</u> Task 1a - Hydrogeologic Conceptual Model Task 1b - Numerical Groundwater Model (Review Existing Model, Create Sustainable Basin Model Updates and Scenarios, Transport Modeling to Evaluate Groundwater Quality, Evaluate Potential Land Subsidence) Previous and Ongoing Model Development In-Kind Services	\$235,072 \$24,137.54 \$210,934.40 \$0	\$691,328 \$7,262 <sup>1</sup> \$63,466 <sup>1</sup> \$620,600 <sup>2</sup>	\$0 \$0 \$0 \$0	\$926,400 \$31,400 \$274,400 \$620,600
2	<u>Task 2 - Salt and Nutrient Management Plan Development</u> Task 2a - Loading Analysis (Existing) Task 2b - Mixing Model Development (Existing) Task 2c - Reporting and Coordination	\$20,000 \$0 \$0 \$20,000	\$60,000 <sup>3</sup> \$30,000 \$30,000 \$0	\$0 \$0 \$0 \$0	\$80,000 \$30,000 \$30,000 \$20,000

Tasks		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
<b>Objective 2</b>					
3	<b>Task 3 - Data Management System</b>	<b>\$274,737</b>	<b>\$82,663</b> <sup>1</sup>	<b>\$0</b>	<b>\$357,400</b>
	Task 3a - Develop a Web-Based GeoDatabase (DMS)	\$37,436.24	\$11,264	\$0	\$48,700
	Task 3b - Establish Monitoring Protocols and Reporting Standards	\$23,753.18	\$7,147	\$0	\$30,900
	Task 3c - Populate Database with Historical Data	\$41,664.16	\$12,536	\$0	\$54,200
	Task 3d - Install Transducers and Telemetry Equipment	\$138,137.43	\$41,563	\$0	\$179,700
	Task 3e - Integrate GSP Goals and Objectives - Adaptive Management	\$33,746.43	\$10,154	\$0	\$43,900
4	<b>Task 4 - Identify and Evaluate Hydrogeologic Data Gaps</b>	<b>\$51,273</b>	<b>\$15,427</b> <sup>1</sup>	<b>\$0</b>	<b>\$66,700</b>
	Task 4a - Review Existing Model and Monitoring Network	\$32,593.36	\$9,807	\$0	\$42,400
	Task 4b - Identification and Prioritization of Data Gaps	\$18,679.69	\$5,620	\$0	\$24,300
5	<b>Task 5 - Monitoring Wells</b>	<b>\$108,619</b>	<b>\$509,381</b>	<b>\$0</b>	<b>\$618,000</b>
	Task 5a - Design and Location Siting	\$11,453.80	\$3,446 <sup>1</sup>	\$0	\$14,900
	Task 5b - Work Plan and Well Construction	\$0	\$476,700 <sup>4</sup>	\$0	\$476,700
	Task 5c - Collection of Monitoring Well Data	\$53,886.67	\$16,213 <sup>1</sup>	\$0	\$70,100
		\$43,278.45	\$13,022 <sup>1</sup>	\$0	\$56,300

Tasks		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
6	<b>Task 6 - Stream Gages</b> Task 6a - Hydrologic Analysis Task 6b - Design and Location Siting Task 6c - Equipment Purchase, Installation, and Testing	\$114,154 \$16,373.55 \$31,978.39 \$65,801.69	\$34,346 <sup>1</sup> \$4,926 \$9,622 \$19,798	\$0 \$0 \$0 \$0	\$148,500 \$21,300 \$41,600 \$85,600
7	<b>Task 7 - Weather Stations</b> Task 7a - Design and Location Siting Task 7b - Equipment Purchase Task 7c - Installation and Testing	\$64,725 \$17,603.49 \$27,750.48 \$19,371.53	\$19,475 <sup>1</sup> \$5,297 \$8,350 \$5,828	\$0 \$0 \$0 \$0	\$84,200 \$22,900 \$36,100 \$25,200
8	<b>Task 8 - Water Quality and Stable Isotope Sampling and Analysis</b> Task 8a - Surface and Groundwater Sampling Task 8b - Perform Geochemical Reaction and Transport Analysis	\$83,559 \$62,649.98 \$20,908.95	\$25,141 <sup>1</sup> \$18,850 \$6,291	\$0 \$0 \$0	\$108,700 \$81,500 \$27,200
9	<b>Task 9 - Aquifer Tests</b> Task 9a - Prepare Aquifer Test Work Plan Task 9b - Perform Aquifer Testing	\$132,449 \$27,750.48 \$104,698.49	\$39,851 <sup>1</sup> \$8,350 \$31,502	\$0 \$0 \$0	\$172,300 \$36,100 \$136,200





Tasks		(a)	(b)	(c)	(d)
		Requested Grant Amount	Cost Share: Non-State Fund Source	Other Cost Share	Total Cost
<b>Objective 4</b>					
12	<b>Task 12 - GSP Development and Compilation</b>	<b>\$233,996</b>	<b>\$70,404</b> <sup>1</sup>	<b>\$0</b>	<b>\$304,400</b>
	Task 12a - Prepare Executive Summary Chapter	\$691,84	\$208	\$0	\$900
	Task 12b - Prepare Introduction Chapter	\$922,45	\$278	\$0	\$1,200
	Task 12c - Prepare Plan Area and Basin Setting Chapter	\$12,453,12	\$3,747	\$0	\$16,200
	Task 12d - Prepare Sustainable Management Criteria Chapter	\$23,061,34	\$6,939	\$0	\$30,000
	Task 12e - Prepare Projects and Management Actions to Achieve Sustainability Goal Chapter	\$38,435,57	\$11,564	\$0	\$50,000
	Task 12f - Prepare Plan Implementation Chapter	\$26,904,90	\$8,095	\$0	\$35,000
	Task 12g- Prepare References and Technical Studies Chapter	\$1,537,42	\$463	\$0	\$2,000
	Task 12h - Develop Draft and Final GSP	\$24,060,67	\$7,239	\$0	\$31,300
	Task 12i - Project Management	\$57,499,61	\$17,300	\$0	\$74,800
	Task 12j - Stakeholder/DWR Coordination	\$48,428,82	\$14,571	\$0	\$63,000
	<b>Grand Total (Tasks 1-12)</b>	<b>\$1,500,000</b>	<b>\$1,602,600</b>	<b>\$0</b>	<b>\$3,102,600</b>

**Notes**

1. Funding Source: IWVGA
2. Funding Source: Navy
3. Funding Source: City of Ridgecrest and IWVWD
4. Funding Source: Navy, Searles Valley Minerals, and Kern County

Budget Items	Original Estimate	Additional Costs	Total Costs
<b>IWVGA Support Costs</b>			
Stetson-IWVGA /TAC/PAC Coordination	\$144,250	\$399,427	\$543,677
Stetson-Prop 1 Application/Reporting	\$103,000	\$104,468	\$207,468
Stetson-Schedule/Budget Management (POAM)	\$52,000	\$0	\$34,779
Stetson-Groundwater Pumping Fee Support	\$121,500	\$69,210	\$190,710
Stetson-Database Management Coordination(Ramboll)	\$10,000	\$298	\$10,298
Stetson - CASGEM Coordination	\$4,500	\$0	\$4,470
	<b>\$435,250</b>		<b>\$991,402</b>

**City of Ridgecrest Reimbursable Costs - Budget Breakdown**

Attorney Fees	2016	2017	2018	2019
Jan.	\$ 8,842.50	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
Feb.	\$ 4,860.00	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
Mar.	\$ 7,321.49	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
April	\$ 5,767.50	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
May	\$ 2,097.30	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
June	\$ 630.00	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
July	\$ 5,308.00	\$ 6,500.00	\$ 6,500.00	\$ 4,000.00
August	\$ 2,587.50	\$ 2,304.49	\$ 6,500.00	\$ 4,000.00
Sept.	\$ 2,452.50	\$ 2,551.87	\$ 6,500.00	\$ 4,000.00
Oct.	\$ 2,885.00	\$ 3,217.50	\$ 6,500.00	\$ 4,000.00
Nov.	\$ 8,857.78	\$ 3,037.50	\$ 6,500.00	\$ 4,000.00
Dec.	\$ 4,977.50	\$ 2,677.50	\$ 6,500.00	\$ 4,000.00
<b>Total Attorney Costs</b>	<b>\$ 21,260.28</b>	<b>\$ 48,615.65</b>	<b>\$ 78,000.00</b>	<b>\$ 48,000.00</b>
		<b>\$ 195,875.93</b>		

Total Attorney Costs	\$ 195,875.93
Total Chambers use costs	\$ 4,960.00
Total IT Support	\$ 9,650.00
<b>2016-2019 Cost to be reimbursed</b>	<b>\$ 210,485.93</b>

Chamber hours	2016	2017	2018	2019
Jan.		4	3	3
Feb.		3.5	3	3
Mar.		3	3	3
April		3	3	3
May		3	3	3
June		7	3	3
July		2.5	3	3
August		2	3	3
Sept.		3.5	3	3
Oct.		2	2.5	3
Nov.		2.5	4	3
Dec.		2.5	2	3
		<b>12.5</b>	<b>39.5</b>	<b>36</b>
Total Chamber hours			124	
X \$40/hour			\$ 40.00	
<b>Total Chamber costs</b>			<b>\$ 4,960.00</b>	

IT Support	2016	2017	2018	2019
Jan.	\$ 270.00	\$ 250.00	\$ 250.00	\$ 250.00
Feb.	\$ 240.00	\$ 250.00	\$ 250.00	\$ 250.00
Mar.	\$ 210.00	\$ 250.00	\$ 250.00	\$ 250.00
April	\$ 210.00	\$ 250.00	\$ 250.00	\$ 250.00
May	\$ 210.00	\$ 250.00	\$ 250.00	\$ 250.00
June	\$ 450.00	\$ 250.00	\$ 250.00	\$ 250.00
July	\$ 180.00	\$ 250.00	\$ 250.00	\$ 250.00
August	\$ 150.00	\$ 150.00	\$ 250.00	\$ 250.00
Sept.	\$ 240.00	\$ 210.00	\$ 250.00	\$ 250.00
Oct.	\$ 150.00	\$ 180.00	\$ 250.00	\$ 250.00
Nov.	\$ 180.00	\$ 270.00	\$ 250.00	\$ 250.00
Dec.	\$ 180.00	\$ 150.00	\$ 250.00	\$ 250.00
	<b>\$ 900.00</b>	<b>\$ 2,730.00</b>	<b>\$ 3,000.00</b>	<b>\$ 3,000.00</b>

Council Chamber IT services include:  
 Audio monitoring and leveling  
 Broadcasting to OTA Channel 41 and Mediacom Channel 6  
 Broadcasting to City webpage  
 Assistance with PowerPoint presentations  
 Digital copy of event/meeting within 2 business days

**Total IT Support \$ 9,650.00**

**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.

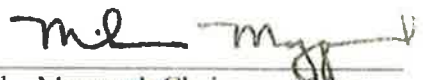
8. Termination. Either Party retains the right to terminate this Agreement, at its sole discretion, upon thirty (30) days written notice. Upon such termination, the Parties agree that any County funds advanced pursuant to this Agreement and/or further County payments shall be subject to the terms and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

Approved as to Form

By:   
Phillip W. Hall,  
Deputy County Counsel

## **ADVANCED FUNDS AGREEMENT**

This Advanced Funds Agreement (the "Agreement") is entered into as of December 13, 2017 ("Effective Date"), between the Indian Wells Valley Water District, a County Water District ("District") 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"). District 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 of becoming the exclusive Groundwater Sustainability Agency and achieving groundwater sustainability through the adoption and implementation of a Groundwater Sustainability Plan ("GSP") for the Indian Wells Valley basin.

**WHEREAS**, the District is a General Member of the Authority exercising water supply responsibilities and is a significant pumper of groundwater within the Authority's boundary.

**WHEREAS**, the General Members of the Authority each provided a contribution of Fifteen Thousand Dollars (15,000.00) to initially fund the Authority.

**WHEREAS**, the Authority is presently in need of additional funds to continue work on the preparation of the GSP while other funding streams are developed in accordance with legal mandates.

**WHEREAS**, the Authority may impose additional assessments on its General Members and/or 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**, District agrees to advance funds to the Authority in lieu of the Authority imposing any additional assessments on its General Members pursuant to the Authority's Joint Exercise of Powers Agreement and/or any assessments, charges and/or fees authorized by SGMA.

**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 funding capital to continue preparation of the GSP while the Authority prepares for and seeks to implement other funding sources.



2. Payment. District agrees to advance to the Authority up to Five Hundred Thousand Dollars (\$500,000.00) to fund preparation, Authority adoption and DWR evaluation and approval of the GSP. District agrees to immediately deposit with the Authority the sum of One Hundred Thousand Dollars (\$100,000) ("Initial Deposit"). The remaining funds will be retained by the District and deposited with the Authority on a monthly basis as the Initial Deposit is used by the Authority. The monthly amount to be deposited by the District shall be the amount needed at that time to bring the funds held by the Authority back to the amount of the Initial Deposit. The Authority shall submit a monthly invoice to District requesting any additional funds needed to bring the funds held by the Authority back to the amount of the Initial Deposit. The invoice shall include copies of all invoices/charges paid by the Authority from the Initial Deposit. District shall remit payment within thirty (30) days receipt of said invoice.

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

- (a) All money paid by the District 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 District shall receive credit for any money not reimbursed to the District pursuant to Section 3(a) herein, which shall be deducted from any future assessments, charges and/or fees imposed by the Authority 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 District Payments. The Authority hereby agrees that District shall not be required to pay any additional funds to the Authority unless and until all funds paid by the District pursuant to this Agreement have been reimbursed pursuant to Section 3(a) herein and/or District's "credit" pursuant to Section 3(b) herein has been fully exhausted.

5. Accounting. The Parties agree to each maintain separate and distinct accounting of any funds advanced by District 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 District 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 District, its officers, agents, 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 District's performance of this Agreement or to have occurred as a result of any acts or omissions by District, its officers, agents, and employees in the performance of this Agreement. Nothing herein shall alleviate the District 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 District funds advanced pursuant to this Agreement and/or further District 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  
WATER DISTRICT**

By: \_\_\_\_\_

Peter Brown, President  
Board of Directors

**INDIAN WELLS VALLEY  
GROUNDWATER AUTHORITY**

By: \_\_\_\_\_

Mick Gleason, Chairman  
Board of Directors

**AMENDMENT TO THE  
ADVANCED FUNDS AGREEMENT**

Whereas, the **INDIAN WELLS VALLEY WATER DISTRICT** (District) and the **INDIAN WELLS VALLEY GROUNDWATER AUTHORITY** (Authority) entered into an Advanced Funds Agreement on December 13, 2017, regarding the District's advancement of funds to the Authority to allow work to continue on the Groundwater Sustainability Plan (Agreement).

Whereas, Section 3 of the Agreement specifies the terms for reimbursement of said funds to the District.

Whereas, Section 3(c) of the Agreement states that "[T]he Parties reserve the right to mutually agree upon different terms subject to the written approval of the Parties."

Whereas, the Parties now desire to clarify the terms for reimbursement of said funds to the District.

The Parties, based upon mutual consideration, hereby agree as follows:

1. Reimbursement and/or a credit of the \$500,000 Advance from the District will be deferred and the District will seek reimbursement and/or credit from "future assessments, charges and/or fees imposed by the Authority" to fund the costs of groundwater management pursuant to SGMA.
2. All other provisions of the Agreement shall remain in full force and effect.
3. This modification shall be effective immediately upon execution by the Parties.

Dated this 29 day of June, 2018.

**INDIAN WELLS VALLEY  
WATER DISTRICT**

By: RR Kicinski  
Ron Kicinski, President  
Board of Directors

**INDIAN WELLS VALLEY  
GROUNDWATER AUTHORITY**

By: Peggy Breeden  
Peggy Breeden, Chairperson  
Board of Directors

**Final Awards**  
**2017 Groundwater Sustainability Plans and Projects Solicitation**  
 April 2018

Note	Cal Map ID	Grantee	Project Title	Category 1	Category 2	Total Grant Award
				Grant Award <sup>a</sup>	Grant Award	
		Arroyo Santa Rosa Basin Groundwater Sustainability Agency	Arroyo Santa Rosa Basin Groundwater Sustainability Plan	\$ 177,081	\$ 177,081	\$ 177,081
1	20	Asian Business Institute Resource Center	Southeast Asian Groundwater and Sustainability Advocacy and Outreach Program	\$ 400,000	\$ -	\$ 400,000
		Atascadero Mutual Water Co	2017 Atascadero Basin Sustainable Groundwater Proposal	\$ 809,250	\$ -	\$ 809,250
		Bear Valley Basin Groundwater Sustainability Agency	Bear Valley Basin Groundwater Sustainability Plan	\$ 177,000	\$ -	\$ 177,000
		Bedford Colwater Sub-basin Groundwater Sustainability Agency	Bedford Colwater Sub-basin Groundwater Sustainability Plan Proposal	\$ -	\$ 1,000,000	\$ 1,000,000
1A		Big Bear Lake Department of Water and Power	Basin Resiliency Sawmill Well Pumping Plant Project	\$ 782,298	\$ -	\$ 782,298
4		Bula Community Services District	Bula Groundwater Recharge Project	\$ 705,000	\$ -	\$ 705,000
		Butte County Department of Water and Resource Conservation	Groundwater Sustainability Plan Development for the Vico, East Butte, West Butte and Wyandtic Creek Subbasins	\$ -	\$ 1,498,900	\$ 1,498,900
		Castaic Lake Water Agency	Santa Clarita Valley Groundwater Sustainability Agency 2017 Sustainable Groundwater Planning Grant Program Category 2 Proposal	\$ 416,106	\$ -	\$ 416,106
		City of Brentwood	Tracy Subbasin Groundwater Sustainability Plan Development Prop 1 Proposal	\$ 1,000,000	\$ -	\$ 1,000,000
		City of Corona	Sustainable Groundwater Planning Grant for the City of Corona Temescal Subbasin	\$ 732,338	\$ -	\$ 732,338
		City of Modesto	Sustainable Groundwater Planning Grant for the Modesto Groundwater Subbasin	\$ 1,000,000	\$ -	\$ 1,000,000
		City of Paso Robles	Paso Robles Basin Groundwater Sustainability Plan Development	\$ 1,500,000	\$ -	\$ 1,500,000
		City of Redding	AGSA Enterprise and Anderson Subbasin Groundwater Sustainability Plan	\$ 983,230	\$ -	\$ 983,230
		City of San Diego - Public Utilities Department	Groundwater Sustainability Plan for the San Pasqual Valley Groundwater Basin	\$ 989,550	\$ -	\$ 989,550
		Colusa Groundwater Authority	Colusa Subbasin Groundwater Sustainability Plan Development	\$ 1,000,000	\$ -	\$ 1,000,000
10		Community Water Center	Facilitate Participation of Severely Disadvantaged Community Stakeholders in The Fular Lake Basin And Develop A Drinking Water Vulnerability Tool	\$ 614,353	\$ -	\$ 614,353
		County of Glenn	Groundwater Sustainability Plan Development in the Corning Subbasin	\$ 999,980	\$ -	\$ 999,980
		County of San Diego	San Diego County GSP Development	\$ 1,000,000	\$ -	\$ 1,000,000
		County of San Luis Obispo	2017 County of San Luis Obispo Sustainable Groundwater Proposal	\$ 1,397,125	\$ -	\$ 1,397,125
		Cuyama Basin Groundwater Sustainability Agency	Cuyama Basin Groundwater Sustainability Plan	\$ 649,124	\$ -	\$ 649,124
		Del Norte County	Smith River Plain Groundwater Basin GSP	\$ 250,000	\$ -	\$ 250,000
		East Bay Municipal Utility District	East Bay Plain Subbasin Groundwater Sustainability Plan Development	\$ 1,000,000	\$ -	\$ 1,000,000
		Eastern San Joaquin Groundwater Authority	Eastern San Joaquin Subbasin Groundwater Sustainability Plan Grant	\$ 1,500,000	\$ -	\$ 1,500,000
		Elsinore Valley Municipal Water District	Elsinore Valley Groundwater Sustainability Agency Groundwater Sustainability Planning Grant Proposal	\$ 1,000,000	\$ -	\$ 1,000,000
		Fillmore Piru GSA	Fillmore and Piru Basins Groundwater Sustainability Plans	\$ 1,500,000	\$ -	\$ 1,500,000
7		Freshwater Trust	Engaging Severely Disadvantaged Communities in the Development of the Solano Subbasin Groundwater Sustainability Plan	\$ 490,000	\$ -	\$ 490,000
13		Indian Wells Valley Groundwater Authority	Indian Wells Valley Groundwater Basin Groundwater Sustainability Plan Development and SDAC Groundwater Conservation Pilot Project	\$ 646,000	\$ 1,500,000	\$ 2,146,000
		Invo Water Department, County of	Groundwater Sustainability Planning for the Owens Valley Groundwater Basin	\$ -	\$ 713,155	\$ 713,155
		Kern River Groundwater Sustainability Agency	Kern County Subbasin Groundwater Sustainability Plan Support 2017 Grant Application	\$ -	\$ 1,500,000	\$ 1,500,000
		Kaiser County	Big Valley Groundwater Sustainability Plan	\$ 999,185	\$ -	\$ 999,185
14		Leadership Counsel for Justice and Accountability	Partnering for Equitable Groundwater	\$ 758,000	\$ -	\$ 758,000
15		Linda County Water District	Linda County Water District-Well 17 Project Funding Application Groundwater Sustainability Planning Grant Program Proposal	\$ 999,500	\$ -	\$ 999,500
		Los Angeles County Waterworks District No. 37, Acton	Fringe Area Antelope Valley Groundwater Sustainability Plan	\$ 300,000	\$ -	\$ 300,000
		Lower Tule River Irrigation District Groundwater Sustainable Agency	Lower Tule River Irrigation District GSA, SGWP Planning Grant	\$ -	\$ 1,500,000	\$ 1,500,000
16		Madera County Water and Natural Resources	Groundwater Monitoring Well Installation and GSP Development For The Chowchilla Subbasin	\$ 1,000,000	\$ 1,500,000	\$ 2,500,000
11		Madera County Water and Natural Resources	Groundwater Monitoring Well Installation and GSP Development for the Madera Subbasin	\$ 1,000,000	\$ 1,500,000	\$ 2,500,000
		Marina Coast Water District	Nonleley Subbasin Groundwater Sustainability Plan Development	\$ 1,000,000	\$ -	\$ 1,000,000
		Mendocino County Water Agency	Phase 2 of the Ukiah Valley Basin Groundwater Sustainability Plan Development	\$ 764,255	\$ -	\$ 764,255
1		Merced Irrigation District	2017 Merced Groundwater Subbasin Sustainability	\$ 901,261	\$ 1,500,000	\$ 2,401,261
		Mid-Kaweah Groundwater Sustainability Agency	Kaweah Sub-Basin Groundwater Sustainability Plans Development	\$ 1,500,000	\$ -	\$ 1,500,000
		Mid-Kings River Groundwater Sustainability Agency	Fular Lake Subbasin GSP Development and SGMA Compliance Project	\$ 1,500,000	\$ -	\$ 1,500,000
		Mound Basin Groundwater Sustainability Agency	Mound Basin GSA and GSP	\$ 758,100	\$ -	\$ 758,100
2		North Cal-Neva Resource Conservation and Development Council, Inc.	Big Valley GSP Monitoring and Data Development	\$ 782,344	\$ -	\$ 782,344
		North Fork Kings Groundwater Sustainability Agency	Kings Basin Groundwater Sustainability Plans	\$ 1,500,000	\$ -	\$ 1,500,000
		Padre Dam Municipal Water District	San Diego River Valley Groundwater Sustainability Plan (GSP) Development Proposal	\$ 600,000	\$ -	\$ 600,000
COI		Pajaro Valley Water Management Agency	Pajaro Valley Groundwater Sustainability Plan	\$ 1,500,000	\$ -	\$ 1,500,000
		Petaluma Valley GSA	Petaluma Valley Groundwater Sustainability Plan Development of the South American Subbasin Groundwater Sustainability Plan (Bulletin 118 Subbasin NU 5-21 65)	\$ 970,693	\$ -	\$ 970,693
D		Sacramento Central Groundwater Authority	North American Subbasin Groundwater Sustainability Plan Development	\$ 994,276	\$ -	\$ 994,276
		Sacramento Groundwater Authority	Sacramento Valley Basin Groundwater Sustainability Plan	\$ 1,500,000	\$ -	\$ 1,500,000
		Salinas Valley Basin Ground Water Sustainability Agency	San Antonio Basin Groundwater Sustainability Plan	\$ 300,000	\$ -	\$ 300,000
		San Antonio Basin Groundwater Sustainability Agency	Sustainable Groundwater Planning Grant for GSP Preparation: Botsu, Hollister, and San Juan Bautista Groundwater Subbasins	\$ 830,336	\$ -	\$ 830,336
		San Benito County Water District	Yucapa Groundwater Sustainability Plan	\$ 815,100	\$ -	\$ 815,100
		San Bernardino Valley Municipal Water District	2017 Sustainable Groundwater Planning Grant for the San Geronimo Pass Subbasin	\$ 1,000,000	\$ -	\$ 1,000,000
		San Geronimo Pass Water Agency	Santa Cruz Mid-County Groundwater Sustainability Plan Development	\$ 1,500,000	\$ -	\$ 1,500,000
		Santa Cruz Mid-County Groundwater Agency	Santa Margarita Groundwater Sustainability Plan Development	\$ 1,000,000	\$ -	\$ 1,000,000
		Santa Margarita Groundwater Agency	Santa Rosa Plain Groundwater Sustainability Plan	\$ 1,000,000	\$ -	\$ 1,000,000
		Santa Rosa Plain GSA	Santa Ynez River Valley Basin GSP Planning and Preparation	\$ 1,000,000	\$ -	\$ 1,000,000
8		Santa Ynez River Water Conservation District	Self-Help Enterprises - SDACs Project	\$ 1,000,000	\$ -	\$ 1,000,000
19		Shasta Valley Resource Conservation District	Groundwater Monitoring Implementation Program for the Shasta Valley GSA	\$ 976,884	\$ -	\$ 976,884
		Siskiyou County Flood Control and Water Conservation District	Development	\$ -	\$ 1,367,000	\$ 1,367,000
		Solano Subbasin Groundwater Sustainability Agency	Solano Subbasin Groundwater Sustainability Plan Development	\$ -	\$ 1,000,000	\$ 1,000,000
		Sonoma Valley GSA	Sonoma Valley Groundwater Sustainability Plan	\$ 1,000,000	\$ -	\$ 1,000,000
		Southeast Sacramento County Agricultural Water Authority	Establishing a Groundwater Sustainability Plan and Governance Structure for the Cosumnes Groundwater Sub-Basin	\$ 1,000,000	\$ -	\$ 1,000,000
		Sutter County Development Services	Sutter Subbasin Groundwater Sustainability Plan Development	\$ 956,814	\$ -	\$ 956,814
		Tehama County Flood Control & Water Conservation District	Tehama County Groundwater Sustainability Plan Development Grant Application	\$ 1,498,960	\$ -	\$ 1,498,960
12		The Nature Conservancy	Demonstrating Multi-Benefit On-Farm Managed Aquifer Recharge in the Central Valley: Protecting Our Groundwater Resource: Securing a Sustainable Future for the Fule Lake Subbasin	\$ 300,000	\$ -	\$ 300,000
		Tulelake Irrigation District	Upper Ventura River Basin GSA and GSP	\$ 721,120	\$ -	\$ 721,120
		Upper Ventura River Groundwater Agency	Spadra Groundwater Basin Groundwater Sustainability Plan Development	\$ 630,061	\$ -	\$ 630,061
		Walnut Valley Water District	2017 Sustainable Groundwater Planning Grant for the Delta-Mendota Subbasin	\$ 1,118,500	\$ -	\$ 1,118,500
17		West Stanislaus ID	Sustainable Groundwater Planning Grant for the Turlock Groundwater Subbasin	\$ 1,178,500	\$ 1,500,000	\$ 2,678,500
		West Turlock Subbasin GSA	Riverside Arlington Subbasin Groundwater Sustainability Plan	\$ 1,000,000	\$ -	\$ 1,000,000
		Western Municipal Water District	Groundwater Monitoring Well Installation Project and Groundwater Sustainability Plan Development for the Westside Subbasin	\$ 130,000	\$ -	\$ 130,000
5		Westlands Water District	White Wolf Subbasin Groundwater Sustainability Plan Development	\$ 1,000,000	\$ 1,500,000	\$ 2,500,000
		White Wolf Groundwater Sustainability Agency	Yolo Subbasin - GSP Planning and Preparation	\$ 557,998	\$ -	\$ 557,998
		Yolo County Flood Control and Water Conservation District	Groundwater Sustainability Plans for the North Yuba Subbasin and South Yuba Subbasin	\$ 1,000,000	\$ -	\$ 1,000,000
		Yuba County Water Agency		\$ 893,948	\$ -	\$ 893,948
				\$ 16,182,264	\$ 69,569,961	\$ 85,752,225

A. All Category 1 Projects: Grantees shall obtain written (e.g., letter) approval of proposed scope of work from GSA, if extensive data/GSP whose project is indicated in prior to execution of Grant Agreement.  
 B. Recommended funding less than requested due to recalculation of Direct Project Administration (DPA) Costs.  
 C. Critical Over Draft Basin include in application.  
 D. Applicants submitted an Alternative Plan to TWR for review.



Table 1 – Proposition 68 SGM Grant Program's Planning – Round 3 Final Award List

Disclaimer: The Recommended Award and Total Project Cost are conditional until final terms and conditions are agreed upon and an agreement has been executed. The awarded grant amount listed in the executed agreement can be less than the Recommended Award amount listed here based upon final negotiations between the Awardee and DWR. DWR staff may determine certain tasks are not eligible or do not meet the requirements outlined in the 2019 SGM Grant Program Guidelines and 2019 SGM Grant Program Planning-Round 3 PSP and are subject to change.

Organization Name	Proposal Title	Recommended Revised Award Title	Notes	Recommended Award	Prop 68/Prop 1 Available Funds	Prop 1 Funds Subject to Future Appropriations	Minimum Required Local Cost Share	Total Project Cost	Percent Local Cost Share
Alameda County Water District	The Alternative Update and Model Upgrade Project	The Alternative Update and Model Upgrade Project	C	\$500,000	\$500,000	\$0	\$167,000	\$667,000	25.04%
Arroyo Seco GSA (ASBGS)	Arroyo Seco Groundwater Sustainability Plan	Salinas Valley Basin GSPs	B	\$0	\$0	\$0	\$0	\$0	-
Carpinteria Valley Water District	Carpinteria Groundwater Basin GSP Development	Carpinteria Groundwater Basin GSP Development	C	\$1,942,900	\$1,942,900	\$0	\$675,000	\$2,617,900	25.78%
City of Brentwood	East Contra Costa Subbasin GSP Development	East Contra Costa Subbasin and Tracy Subbasin GSP Development	A, G	\$1,078,600	\$970,000	\$108,600	\$359,500	\$1,438,100	25.00%
City of Modesto	Modesto Subbasin Monitoring Network Augmentation Proposal	Modesto Subbasin GSP Development and Monitoring Network Augmentation	-	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	0.00%
City of Redding	Enterprise Anderson Groundwater Sustainability Agency (EAGSA) Enterprise and Anderson Sub-Basin Groundwater Sustainability Plan	EAGSA Enterprise and Anderson Sub-Basin GSP	-	\$544,500	\$544,500	\$0	\$0	\$544,500	0.00%
Coachella Valley Water District	Indio Subbasin Modelling, Data Collection, and Alternative Plan Update	Indio Subbasin Alternative Plan Update	A, C	\$500,000	\$500,000	\$0	\$167,000	\$667,000	25.04%
Coachella Valley Water District	Mission Creek Subbasin Modelling, Data Collection, and Alternative Plan Update	Mission Creek Subbasin Alternative Plan Update	A, C	\$500,000	\$500,000	\$0	\$167,000	\$667,000	25.04%
Colusa Groundwater Authority	Colusa Subbasin Groundwater Sustainability Plan Development	Colusa Subbasin GSP Development	-	\$999,600	\$999,600	\$0	\$0	\$999,600	0.00%
County of Madera	Madera Subbasin Domestic Well Inventory and Groundwater Monitoring Well Installation Project	Madera Subbasin GSP Development, Domestic Well Inventory, and Monitoring Well Installation Project	H, I	\$0	\$0	\$0	\$0	\$0	-
County of Madera	Chowchilla Subbasin Domestic Well Inventory and Groundwater Monitoring Well Installation Project	Chowchilla Subbasin GSP Development, Domestic Well Inventory, and Monitoring Well Installation Project	I	\$500,000	\$500,000	\$0	\$0	\$500,000	0.00%
Cuyama Basin GSA	Cuyama Valley Groundwater Basin Supplemental GSP Development	Cuyama Basin GSP Development	I	\$500,000	\$500,000	\$0	\$0	\$500,000	0.00%
East Bay Municipal Utility District	East Bay Plain Subbasin Characterization and Data Management	East Bay Plain Subbasin GSP Development and Characterization and Data Management	G	\$758,467	\$680,000	\$78,467	\$134,000	\$892,467	15.01%
East Kaweah GSA	Kaweah Subbasin Groundwater Sustainability Planning Project	Kaweah Subbasin GSP Development	I	\$500,000	\$500,000	\$0	\$0	\$500,000	0.00%
Eastern Municipal Water District	West San Jacinto Groundwater Sustainability Plan and Monitoring	West San Jacinto GSP Development and Monitoring	C	\$1,156,500	\$1,156,500	\$0	\$390,000	\$1,556,500	25.06%



Organization Name	Proposal Title	Recommended Revised Award Title	Notes	Recommended Award	Prop 68/Prop 1 Available Funds	Prop 1 Funds Subject to Future Appropriations	Minimum Required Local Cost Share	Total Project Cost	Percent Local Cost Share
Eastern San Joaquin Groundwater Authority	Eastern San Joaquin Proposal for Studies and Equipment to Support GSP Development	Eastern San Joaquin GSP Development and Support	F, G, I	\$500,000	\$325,000	\$175,000	\$55,500	\$555,500	9.99%
Fox Canyon GMA	Develop GSPs for the Oxnard Subbasin, Pleasant Valley Basin and Las Posas Valley Basin	Oxnard Subbasin, Pleasant Valley Basin, and Las Posas Valley Basin GSP Development	C	\$854,600	\$854,600	\$0	\$285,000	\$1,139,600	25.01%
Humboldt County	Eel River Valley Groundwater Sustainability Plan and Monitoring Well Installation Project	Eel River Valley GSP and Monitoring Well Installation Project	C	\$1,900,000	\$1,900,000	\$0	\$0	\$1,900,000	0.00%
Indian Wells Valley Groundwater Authority	Indian Wells Valley Groundwater Basin - Implementation Projects and Additional GSP Development	Indian Wells Valley GSP Development and Projects	A, F, G, I	\$939,000	\$300,000	\$30,000	\$99,250	\$988,250	15.06%
Kern River GSA	Kern County Subbasin Groundwater Sustainability Plan Support - Phase II	Kern County Subbasin GSP Development	F, G, I	\$500,000	\$442,285	\$57,715	\$0	\$500,000	0.00%
Lake County Watershed Protection District	Big Valley Basin GSP	Big Valley Basin GSP	C	\$1,392,205	\$1,392,205	\$0	\$0	\$1,392,205	0.00%
Lower Tule River Irrigation District GSA	Tule Subbasin Sustainable Groundwater Management Planning Grant	Lower Tule River GSA Development	A, G, I	\$1,000,000	\$1,000,000	\$0	\$0	\$1,000,000	0.00%
Marina Coast Water District	GSP Development Activities in the Monterey Subbasin	Monterey Subbasin GSP Development	D, G	\$1,000,000	\$700,000	\$300,000	\$335,000	\$1,335,000	25.09%
Mendocino County Water Agency	Ukiah Valley Basin GSP Development Support	Ukiah Valley Basin GSP Development Support	-	\$1,233,800	\$1,233,800	\$0	\$0	\$1,233,800	0.00%
Merced Irrigation District	Merced Subbasin GSP Development Project for Addressing Critical Data Gaps	Merced Subbasin GSP Development and Addressing Critical Data Gaps	-	\$500,000	\$500,000	\$0	\$0	\$500,000	0.00%
Mid-Kings River GSA	Tulare Lake Subbasin Supplemental GSP Development	Tulare Lake Subbasin GSP Development and SGMA Compliance	F, G, I	\$500,000	\$450,000	\$50,000	\$0	\$500,000	0.00%
Modoc County GSA	Big Valley Groundwater Sustainability Plan Water Measurement Enhancement Project	Big Valley GSP Water Measurement Enhancement Project	C	\$987,660	\$987,660	\$0	\$0	\$987,660	0.00%
Montecito Groundwater Basin GSA	MGB GSA GSP and Sustainability Projects' Development	MGB GSA GSP and Sustainability Projects Development	C	\$1,627,205	\$1,627,205	\$0	\$544,000	\$2,171,205	25.06%
Napa County	Napa Valley Subbasin Groundwater Sustainability Plan and Monitoring Well Installation Project	Napa Valley Subbasin GSP and Monitoring Well Installation Project	C	\$1,958,500	\$1,958,500	\$0	\$655,000	\$2,613,500	25.06%
North Fork Kings GSA	Kings Basin SGMA Round 3 Planning Grant	Kings Basin GSP	I	\$500,000	\$500,000	\$0	\$0	\$500,000	0.00%
Ojai Basin Groundwater Management Agency	Ojai Valley Basin GSP Development	Ojai Valley Basin GSP Development	C	\$400,000	\$400,000	\$0	\$133,600	\$533,600	25.04%
Pajaro Valley Water Management Agency	Pajaro Valley Sustainable Groundwater Planning Project	Pajaro Valley Alternative Plan Update	C	\$500,000	\$500,000	\$0	\$167,000	\$667,000	25.04%

## **Exhibit 3: Calculation of Fees**

### **Supporting Attachments**

- Sustainable Yield Allocation
- IWVGA Pumping Fee Alternatives

<b>Pumping Group</b>	<b>Current Est Pumping</b>	<b>Navy Use/Carryover</b>	<b>Augment Supply Need</b>
<b>Navy</b>	<b>1,450</b>	<b>1,450</b>	<b>0</b>
<b>De Minimis Wells</b>	<b>800</b>	<b>800</b>	<b>0</b>
<b>City of Ridgecrest</b>	<b>373</b>	<b>373</b>	<b>0</b>
<b>Kern County</b>	<b>18</b>	<b>18</b>	<b>0</b>
<b>IWVWD</b>	<b>6,507</b>	<b>4,390</b>	<b>2,117</b>
<b>Inyokern CSD</b>	<b>102</b>	<b>102</b>	<b>0</b>
<b>Small Mutuals</b>	<b>300</b>	<b>300</b>	<b>0</b>
<b>Trona DM</b>	<b>217</b>	<b>217</b>	<b>0</b>
<b>SVM</b>	<b>2,413</b>	<b>0</b>	<b>2,413</b>
<b>Total</b>	<b>12,180</b>	<b>7,650</b>	<b>4,530</b>



<b>IWVGA Pumping Fee Alternatives</b>	
<b>Required GAP Funding</b>	\$2,031,590
<b>Assumed Total Pumping</b>	10,000 acre-feet
<b>Duration (Years)</b>	<b>Fee</b>
1	\$203.16 (\$210)
1.5	\$135.44 (\$140)
2	\$101.58 (\$105)
2.5	\$81.26 (\$85)

**Exhibit 4: List of Non De Minimis Groundwater Extractors**

Owner/System	# of Wells Registered	Type of Use
Amber Glow Ranch / Patricia Davis	2	Agriculture
BLUBAUGH, PATRICK	1	Agriculture
Brady's Café and Mini Mart	1	Commercial
Buttermilk Acres	1	Domestic
China Lake Acres Mutual Water Company	1	Domestic
CHLT Water Group	1	Domestic
City of Ridgecrest	5	Irrigation
Condon, Bethany	1	Domestic/livestock
Crestview Water System	1	Domestic
Desert Memorial Park	1	Irrigation
Desert Sands Mutual Water Co-Op	1	Domestic
Dixie Water Company	1	Domestic
DONNA SUE WATER CO-OP	1	Domestic
Dune I Water	1	Domestic
Dune III Mutual Water Company	2	Domestic
Dune V Water Company	1	Domestic
East Inyokern Mutual Water	3	Domestic
Ferran Water System	1	Domestic
Freeman, John	1	Domestic/Irrigation
Gateway Ace Hardware/Gateway Market	1	Commercial
Gilbert Mutual Water Company	1	Domestic
Hammar Water Co-Op	1	Domestic
Heritage Village	1	Irrigation
Hickle, Art (Hickle Family Trust)	2	Agriculture
Hometown Water Association	1	Domestic
Hovaten, Max	3	Agriculture
IAC Water Company	2	Domestic
Indian Wells Valley Water District	10	Municipal
Inyokern CSD	1	Domestic
Jumper St Water Co-op	1	Domestic
Kern County	1	Commercial
LIFE WATER CO-OP	1	Domestic
Marvin, Carey	1	Domestic/Irrigation
McGee, Mike	4	Agriculture
MEADOWBROOK DAIRY	10	Agriculture
Mirage St Water Co-Op	1	Domestic
MOJAVE PISTACHIO / RTS AGRI BUSINESS	13	Agriculture
Northeast Leliter Co-Op	2	Domestic
Owens Peak South	1	Domestic
Owens Peak Water Co Op	1	Domestic
Owens Peak West	1	Domestic
Pearson, Diana	1	Commercial/Irrigation
Pinon Water System	1	Domestic
Quist Farms/Don Quist	7	Agriculture

Ridgecrest Charter School	1	Irrigation
Schiller, Larry	1	Domestic/Irrigation
Searles Valley Minerals	5	Industrial
Shaklett, Scott and Gale	1	Agriculture
Sierra Shadows Ranch / John Thomas Conaway	4	Agriculture
Simmons Farms	1	Agriculture
South Desert Mutual Water Company	1	Domestic
Sweet Water Co-Op	1	Domestic
Szelog, Matt (John)	1	Domestic/Irrigation
Warren Water System	1	Domestic
WEST VALLEY MUTUAL WATER CO	2	Domestic
Yellow Bird Water Co-Op	1	Domestic