

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

Wednesday, October 11, 2023

Closed Session – 10:00 a.m.

Open Session – No earlier than 11:00 a.m.

Pursuant to California Government Code 54953(b)(1) two additional call-in locations have been established for Board Members who will attend this meeting via teleconference at 14955 Dale Evans Parkway Apple Valley, CA. 92307 and at 1360 N Main St Bishop, CA. 93514.

NOTICE: *In accordance with the evolving public health declarations, we will continue to provide live stream video for those wishing to participate virtually. Please see the Public Comment Notice below for detailed instructions on submitting public comment as well as websites for livestream broadcasting.*

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 April Keigwin at (805) 764-5452. 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 Ridgecrest City Hall, 100 W California Ave, 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. All Public Comment portions of the meeting shall be limited to three (3) minutes per speaker. Each person is limited to one comment during Public Comments.

1. CALL TO ORDER

2. ADOPTION OF AGENDA

3. PUBLIC COMMENT ON CLOSED SESSION

4. CLOSED SESSION

- CONFERENCE WITH REAL PROPERTY NEGOTIATIONS –
(Government Code Section 54956.8) - Property: Purchase of Water Rights; Agency Negotiator: Jeff Simonetti; Negotiating Parties: Palmdale Municipal Water District; Under Negotiation: Price and terms of payment.

- CONFERENCE WITH LEGAL COUNSEL – INITIATION OF LITIGATION – (Government Code Section § 54956.9(d(4))) – 4 Cases.
- CONFERENCE WITH LEGAL COUNSEL – INITIATION OF LITIGATION – (Government Code Section § 54956.9(c)) – 1 Case.
- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Government Code Section 54956.9(d(1))): IWVGA v. Inyokern CSD – Kern County Superior Court BCV-22-100281
- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Government Code Section 54956.9(d(1) - Name of case: Searles Valley Minerals Inc v. Indian Wells Valley Groundwater Authority, et. al. - Orange County Superior Court 30-2022-01239487-CU-MC-CJC
- CONFERENCE WITH LEGAL COUNSEL- EXISTING LITIGATION (Government Code Section 54956.9(d(1) - Name of case: Mojave Pistachios, LLC, a California limited liability company, et.al. v. Indian Wells Valley Groundwater Authority, a California Joint Powers Authority, et. al. - Orange County Superior Court 30-2022-0139479-CU-MC-CJC

5. OPEN SESSION – No earlier than 11:00 a.m.

- a. Report on Closed Session
- b. Pledge of Allegiance
- c. Roll Call

6. PUBLIC COMMENT

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.

7. BOARD MEMBER COMMENTS

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

8. CONSENT AGENDA

- a. Approve Minutes of Board Meeting September 13, 2023
- b. Approve Expenditures
 - *To view itemized invoices please visit <https://iwvga.org/iwvga-meetings>*
 - i. \$175,732.44 – Stetson Engineers
 - ii. \$26,604.00 – Regional Government Services – (Replenishment / Extraction)
 - iii. \$16,850.00 – Capitol Core Group – (Replenishment)
 - iv. \$222,224.90 – Provost & Pritchard – (SGMA IP Grant)
 - v. \$3,240.50 – TranSystems – (SGMA IP Grant)
 - vi. \$125,000.00 – City of Ridgecrest

9. BOARD REVIEW AND APPROVAL OF 2024 BUDGET

10. APPROVAL OF USBR TITLE XVI FEASIBILITY STUDY – WATER RECYCLING PLANT

11. TRANSIENT POOL ALLOTMENT TRANSFER FORM – AMBER GLOW RANCH

12. APPROVAL OF PAYMENT TO UNION PACIFIC RAILROAD FOR TRENCHLESS CROSSINGS

13. FIVE YEAR GROUNDWATER SUSTAINABILITY PLAN UPDATE

14. WATER RESOURCES MANAGER REPORT

- a. Grant Funding
- b. GSP Implementation Projects/Management Action Updates
 - i. Recycled Water Project
 - ii. Imported Water Project
 - iii. Shallow Well Mitigation Program
 - iv. Schedule for 2023 Annual Report
- c. Miscellaneous Items
 - i. Data Collection and Monitoring
 - ii. IWVGA Basin Model Configuration Management Plan
 - iii. CMP Timeline
 - iv. Rose Valley Subflow Update
 - v. Update on LADWP Releases

15. GENERAL MANAGER’S REPORT

- a. C&E Plan Update
- b. Report on IWVGA’s Water Marketer (Capitol Core Group)
- c. Legislative Update and Direction
- d. Shallow Well Emergency Assistance - Halpin

16. POLICY ADVISORY COMMITTEE REPORT

17. DATE OF NEXT MEETING – November 8, 2023

18. ADJOURN

PUBLIC COMMENT NOTICE

IWVGA meetings will be open to the public for physical attendance; However, for those who wish to continue using virtual alternatives please follow the directions below for access to live stream video as well as ways to submit public comment.

• **Watch meetings on-line:**

All of our meetings are streamed live at <https://ridgecrest-ca.gov/369/Watch> (4 second streaming delay) or on YouTube at <https://www.youtube.com/cityofridgecrest/live> (22 second streaming delay) and are also available for playback after the meeting.

• **Call in for public comments:**

If you wish to make verbal comment, *please call (760) 499-5010*. This phone line will allow only one caller at a time, so if the line is busy, please continue to dial. We will be allowing a 20-30 second pause between callers to give time for media delays and callers to dial in. Due to media delays, please mute your streaming device while making public comment. If you wish to comment on multiple items, you will need to call in as each item is presented.

*Please Note – This process will be a learning curve for all, *please be patient*.

- **Submit written comments:**

We encourage submittal of written comments supporting, opposing, or otherwise commenting on an agenda item, for distribution to the Board prior to the meeting. Send emails to akeigwin@rgs.ca.gov written correspondence may be sent to April Keigwin, Clerk of the Board, 100 W. California Ave., Ridgecrest, CA 93555. Please specify to which agenda item your comment relates.

- **Large Groups:**

If you are part of a large group that would like to comment on an agenda item, please consider commenting in writing. This will be as impactful to the Board as having a large group in attendance.

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INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

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

BOARD OF DIRECTORS MEETING MINUTES Wednesday, September 13, 2023

IWVGA Members Present:

Chairman Scott Hayman, City of Ridgecrest	Carol Thomas-Keefer, IWVGA General Manager
Phillip Peters, Kern County	Keith Lemieux, Legal Counsel
Chuck Griffin, IWVWD	Steve Johnson, Stetson Engineers
John Vallejo, Inyo County	John Kersey, US Navy, DoD Liaison
Tim Itnyre, San Bernardino County	April Keigwin, Clerk of the Board

Attending via teleconference is Tim Itnyre, Steve Johnson, and Carol Thomas-Keefer.

Meeting recording, public comment letters submitted, and all board meeting related documents are made available at:
<https://iwvga.org/iwvga-meetings/>

1. CALL TO ORDER:

Chairman Hayman calls the meeting to order at 10:03 a.m.

2. ADOPTION OF AGENDA:

Motion made by Phillip Peters and seconded by Chuck Griffin to approve adoption of the agenda. Motion carries by the following roll call vote:

Chairman Hayman	Aye
Vice Chair Peters	Aye
Director Itnyre	Aye
Director Griffin	Aye
Director Vallejo	Absent

3. PUBLIC COMMENT ON CLOSED SESSION:

None.

Chairman Hayman calls the meeting into Closed Session at 10:04 a.m.

4. CLOSED SESSION:

- CONFERENCE WITH LEGAL COUNSEL – INITIATION OF LITIGATION (Government Code Section § 54956.9(d(4))) – 4 Cases.
- CONFERENCE WITH LEGAL COUNSEL – INITIATION OF LITIGATION (Government Code Section § 54956.9(c)) – 1 Case.
- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Government Code Section 54956.9(c)): IWVGA v. Inyokern CSD
- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

(Government Code Section 54956.9(d)(1) - Name of case: Searles Valley Minerals Inc v. Indian Wells Valley Groundwater Authority, et. al. - Orange County Superior Court 30-2022-01239487-CU-MC-CJC

- CONFERENCE WITH LEGAL COUNSEL- EXISTING LITIGATION
(Government Code Section 54956.9(d)(1) - Name of case: Mojave Pistachios, LLC, a California limited liability company, et.al. v. Indian Wells Valley Groundwater Authority, a California Joint Powers Authority, et. al. - Orange County Superior Court 30-2022-0139479-CU-MC-CJC

Closed Session adjourns at 10:57 a.m.

5. OPEN SESSION – No earlier than 11:00 a.m.

Meeting reconvenes into Open Session at 11:04 a.m.

- Report on Closed Session – Counsel Lemieux reports no action was taken that would require disclosure under The Brown Act.
- Pledge of Allegiance is led by Chairman Hayman
- Roll Call

Chairman Hayman	Present
Vice Chair Peters	Present
Director Itnyre	Present
Director Griffin	Present
Director Vallejo	Present

6. PUBLIC COMMENT:

None.

7. BOARD MEMBER COMMENTS:

None.

8. CONSENT AGENDA:

- Approve Minutes of Board Meeting August 23, 2023
- Approve Expenditures

**To view itemized invoices please visit <https://iwvga.org/iwvga-meetings>*

- \$118,443.65 – Stetson Engineers
- \$300.00 – Regional Government Services – (Replenishment / Extraction)
- \$13,831.25 – Capitol Core Group – (Replenishment)
- \$512,375.12 – Provost & Pritchard – (SGMA IP Grant)
- \$7,955.00 – TranSystems – (SGMA IP Grant)
- \$125,000.00 – City of Ridgecrest

Motion made by Phillip Peters and seconded by John Vallejo to approve Minutes of Board Meeting August 23, and the following expenditures in the amount of, \$118,443.65 to Stetson Engineers, \$300.00 to Regional Government Services, \$13,831.25 to Capitol Core Group, \$512,375.12 to Provost & Pritchard, \$7,955.00 to TranSystems, and \$125,000.00 to City of Ridgecrest.

Motion carries by the following roll call vote:

Chairman Hayman	Aye
Vice Chair Peters	Aye
Director Itnyre	Aye
Director Griffin	Aye
Director Vallejo	Aye

9. AUTHORIZATION TO AWARD CONTRACT FOR AUDIT SERVICES:

Carol Thomas-Keefer presents staff report, proposal and agreement from Nigro & Nigro to perform audit services.

Motion made by Chuck Griffin and seconded by Phillip Peters to approve the proposal authorizing the general manager to execute the agreement with Nigro & Nigro to perform audit services.

Motion carries by the following roll call vote:

Chairman Hayman	Aye
Vice Chair Peters	Aye
Director Itnyre	Aye
Director Griffin	Aye
Director Vallejo	Aye

10. REQUEST FROM BYERLY FOR SHALLOW WELL MITIGATION FUNDING:

Jeff Helsley provides staff report and figures.

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

11. BOARD DIRECTION AND POSSIBLE APPROVAL OF FUNDING PATH FOR IMPORTED WATER PIPELINE PROJECT:

Michael McKinney of Capitol Core Group and Jeff Davis of Provost & Pritchard provide report and presentation regarding project costs and potential funding paths.

The Board hears public comment from Josh Nugent, Judie Decker, and Renee Westa-Lusk

Motion made by Phillip Peters and seconded by John Vallejo to approve Environmental Infrastructure Project funding path for the Imported Water Pipeline Project.

Motion carries by the following roll call vote:

Chairman Hayman	Aye
Vice Chair Peters	Aye
Director Itnyre	Aye
Director Griffin	Aye
Director Vallejo	Aye

12. APPROVAL OF PAYMENT TO SOUTHERN CALIFORNIA EDISON FOR PROCESSING REQUEST TO CROSS HIGH VOLTAGE TRANSMISSION LINES:

Bianca Cabrera of Stetson Engineers presents staff report and agreement.

Motion made by Phillip Peters and seconded by John Vallejo to approve the payment to Southern California Edison for processing request to cross high voltage transmission lines.

Motion carries by the following roll call vote:

Chairman Hayman	Aye
Vice Chair Peters	Aye
Director Itnyre	Aye
Director Griffin	Aye
Director Vallejo	Aye

13. WATER RESOURCES MANAGER REPORT:

Steve Johnson and Jean Moran provide updates on the following grants/programs:

- a. Grant Funding
- b. GSP Implementation Projects/Management Action Updates
 - i. Recycled Water Project
 - ii. Imported Water Project
 - iii. Shallow Well Mitigation Program
 - iv. Preview of 5 Year Update Schedule

- v. Schedule for 2023 Annual Report
- c. Miscellaneous Items
 - i. Data Collection and Monitoring
 - ii. IWVGA Basin Model Configuration Management Plan
 - iii. CMP Timeline
 - iv. Rose Valley Subflow Update
 - v. Update on LADWP Releases

14. GENERAL MANAGER'S REPORT:

Carol Thomas-Keefer provides the monthly financial report, C&E update, and technical memorandum from Capitol Core Group including the legislative updates. Michael McKinney updates AB 779 has passed the Senate.

The Board hears public comment from Renee Westa-Lusk.

15. DATE OF NEXT MEETING – OCTOBER 11, 2023

16. ADJOURN:

Chairman Hayman adjourns the meeting at 1:15 p.m. on July 12, 2023.

Respectfully submitted,

April Keigwin
Clerk of the Board
Indian Wells Valley Groundwater Authority

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Invoice

Indian Wells Valley Groundwater Authority
 Mr. Alan Christensen
 100 W. California Ave.
 Ridgecrest, CA 93555

Invoice Number: 2652-73
Invoice Date: 10/06/23

Project #: 2652 **Indian Wells Valley Groundwater Authority**

Professional Services through 8/31/2023

Water Resources Management 2023

01 - Meetings & Prep

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	28.50	\$237.00	\$6,754.50
Supervisor I	36.00	\$206.00	\$7,416.00
Senior Associate	1.50	\$128.00	\$192.00
Associate I	2.00	\$122.00	\$244.00
Associate III	3.75	\$111.00	\$416.25
Assistant I	51.75	\$98.00	\$5,071.50
Assistant II	21.50	\$93.00	\$1,999.50
<i>Professional Services Subtotal:</i>			<u>\$22,093.75</u>

Reimbursables	<u>Charge</u>
Reproduction (Color)	\$56.96
Mileage	\$226.63
Reproduction	\$13.20
<i>Reimbursables Subtotal:</i>	
	<u>\$296.79</u>

Meetings & Prep Subtotal: \$22,390.54

01.01 - LADWP Release Coordination and Meetings

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.50	\$237.00	\$592.50
Supervisor I	2.25	\$206.00	\$463.50
Supervisor II	12.50	\$191.00	\$2,387.50
GIS Manager	3.00	\$122.00	\$366.00
<i>Professional Services Subtotal:</i>			<u>\$3,809.50</u>

LADWP Release Coordination and Meetings Subtotal: \$3,809.50

02.01 - SGMA IP Grant Administration

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Senior Associate	7.00	\$128.00	\$896.00
Associate III	0.50	\$111.00	\$55.50
Assistant I	21.00	\$98.00	\$2,058.00
<i>Professional Services Subtotal:</i>			<u>\$3,009.50</u>

SGMA IP Grant Administration Subtotal: \$3,009.50

03 - Grant Review & Application Preparation

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$237.00	\$355.50



03 - Grant Review & Application Preparation

<i>Professional Services Subtotal:</i>	\$355.50
<i>Grant Review & Application Preparation Subtotal:</i>	\$355.50

04 - Data Mgmt System Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$206.00	\$103.00
Senior III	7.75	\$134.00	\$1,038.50
Senior Associate	11.25	\$128.00	\$1,440.00
Associate III	4.50	\$111.00	\$499.50
<i>Professional Services Subtotal:</i>			\$3,081.00
Reimbursables			<u>Charge</u>
Data			\$633.68
Other Expenses			\$4,153.71
<i>Reimbursables Subtotal:</i>			\$4,787.39
<i>Data Mgmt System Support Subtotal:</i>			\$7,868.39

05 - General Project Mgmt

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	6.00	\$237.00	\$1,422.00
Supervisor I	8.00	\$206.00	\$1,648.00
Senior Associate	7.50	\$128.00	\$960.00
Assistant I	3.50	\$98.00	\$343.00
<i>Professional Services Subtotal:</i>			\$4,373.00
<i>General Project Mgmt Subtotal:</i>			\$4,373.00

06 - Model Transfer & Upgrade

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	14.25	\$206.00	\$2,935.50
Supervisor II	11.00	\$191.00	\$2,101.00
GIS Manager	0.75	\$122.00	\$91.50
<i>Professional Services Subtotal:</i>			\$5,128.00
Sub-Contractors			<u>Charge</u>
Board of Regents			\$19,386.95
Ryan Smith			\$732.50
<i>Sub-Contractors Subtotal:</i>			\$20,119.45
<i>Model Transfer & Upgrade Subtotal:</i>			\$25,247.45

07.01 - Imported Water: Planning/Design/Environmental

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	34.00	\$237.00	\$8,058.00
Supervisor I	54.50	\$206.00	\$11,227.00
GIS Manager	1.50	\$122.00	\$183.00
Associate III	6.75	\$111.00	\$749.25
Assistant I	31.00	\$98.00	\$3,038.00
<i>Professional Services Subtotal:</i>			\$23,255.25
<i>Imported Water: Planning/Design/Environmental Subtotal:</i>			\$23,255.25

07.02 - Imported Water: Engagement/Outreach

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$237.00	\$474.00



07.02 - Imported Water: Engagement/Outreach

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.75	\$206.00	\$360.50
Assistant I	27.50	\$98.00	\$2,695.00
			<u>\$3,529.50</u>

Professional Services Subtotal:

Imported Water: Engagement/Outreach Subtotal: \$3,529.50

09 - Recycled Water

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	14.00	\$206.00	\$2,884.00
Assistant I	12.00	\$98.00	\$1,176.00
Assistant II	70.75	\$93.00	\$6,579.75
			<u>\$10,639.75</u>

Professional Services Subtotal: \$10,639.75

Recycled Water Subtotal: \$10,639.75

11 - Data Collection, Monitoring & Data Gaps

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$206.00	\$103.00
Senior Associate	2.00	\$128.00	\$256.00
Associate I	1.75	\$122.00	\$213.50
GIS Manager	0.25	\$122.00	\$30.50
Associate III	12.75	\$111.00	\$1,415.25
			<u>\$2,018.25</u>

Professional Services Subtotal: \$2,018.25

Reimbursables

	<u>Charge</u>
Mileage	\$7.60
Overnight Mail	\$46.09
Other Expenses	\$415.74
	<u>\$469.43</u>

Reimbursables Subtotal: \$469.43

Data Collection, Monitoring & Data Gaps Subtotal: \$2,487.68

12 - Shallow Well Consolidation Project

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$237.00	\$355.50
GIS Manager	1.75	\$122.00	\$213.50
GIS Specialist I	1.00	\$101.00	\$101.00
Assistant II	1.50	\$93.00	\$139.50
			<u>\$809.50</u>

Professional Services Subtotal: \$809.50

Shallow Well Consolidation Project Subtotal: \$809.50

14 - Production Reporting, Transient Pool & Fee Support

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.00	\$237.00	\$237.00
Supervisor I	5.50	\$206.00	\$1,133.00
Senior Associate	85.00	\$128.00	\$10,880.00
Associate I	2.00	\$122.00	\$244.00
Associate III	32.00	\$111.00	\$3,552.00
Assistant I	7.50	\$98.00	\$735.00
			<u>\$16,781.00</u>

Professional Services Subtotal: \$16,781.00

Production Reporting, Transient Pool & Fee Support Subtotal: \$16,781.00

16 - TSS: General Coordination/Application Support



16 - TSS: General Coordination/Application Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$206.00	\$206.00
<i>Professional Services Subtotal:</i>			<u>\$206.00</u>
<i>TSS: General Coordination/Application Support Subtotal:</i>			<u>\$206.00</u>

17 - Navy/Coso Royalty Fund: Develop FY24 Projects & Secure Funding

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$237.00	\$474.00
Supervisor I	4.00	\$206.00	\$824.00
<i>Professional Services Subtotal:</i>			<u>\$1,298.00</u>
<i>Navy/Coso Royalty Fund: Develop FY24 Projects & Secure Funding Subtotal:</i>			<u>\$1,298.00</u>

18 - Navy/Coso Royalty Fund: FY21 Rose Valley MW Permitting, Bid Doc Support & Dr

Sub-Contractors		<u>Charge</u>
Teya Enterprises, LLC		\$9,031.63
<i>Sub-Contractors Subtotal:</i>		<u>\$9,031.63</u>
<i>Navy/Coso Royalty Fund: FY21 Rose Valley MW Permitting, Bid Doc Support & Dr</i>		<u>\$9,031.63</u>

18.1 - Navy/Coso Cooperative Agreement

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	12.25	\$206.00	\$2,523.50
Associate I	15.25	\$122.00	\$1,860.50
GIS Manager	1.00	\$122.00	\$122.00
<i>Professional Services Subtotal:</i>			<u>\$4,506.00</u>
Reimbursables			<u>Charge</u>
Car Rental			\$809.09
Equipment Purchase			\$358.34
Field Supplies			\$154.55
Lodging			\$636.65
Meals			\$62.93
Mileage			\$282.31
Overnight Mail			\$10.20
Reproduction			\$54.93
<i>Reimbursables Subtotal:</i>			<u>\$2,369.00</u>
<i>Navy/Coso Cooperative Agreement Subtotal:</i>			<u>\$6,875.00</u>

19 - Brackish Water Group: Data Review & Coordination

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	5.75	\$206.00	\$1,184.50
Associate I	59.00	\$122.00	\$7,198.00
Associate III	30.25	\$111.00	\$3,357.75
<i>Professional Services Subtotal:</i>			<u>\$11,740.25</u>
<i>Brackish Water Group: Data Review & Coordination Subtotal:</i>			<u>\$11,740.25</u>

20 - Shallow Well Mitigation Program: Outreach & Impacts Evaluation

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.50	\$206.00	\$309.00
Assistant I	5.00	\$98.00	\$490.00
<i>Professional Services Subtotal:</i>			<u>\$799.00</u>
<i>Shallow Well Mitigation Program: Outreach & Impacts Evaluation Subtotal:</i>			<u>\$799.00</u>

21 - General Engineering



21 - General Engineering

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$206.00	\$206.00
Supervisor II	2.50	\$191.00	\$477.50
Assistant II	3.00	\$93.00	\$279.00

Professional Services Subtotal: \$962.50

General Engineering Subtotal: \$962.50

22 - GSP 5-Year Update

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	9.00	\$206.00	\$1,854.00
Supervisor II	77.50	\$191.00	\$14,802.50
GIS Manager	7.00	\$122.00	\$854.00
Technical Illustrator	10.50	\$88.00	\$924.00

Professional Services Subtotal: \$18,434.50

GSP 5-Year Update Subtotal: \$18,434.50

23 - Annual Report Preparation

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.00	\$237.00	\$237.00
Senior Associate	3.25	\$128.00	\$416.00

Professional Services Subtotal: \$653.00

Annual Report Preparation Subtotal: \$653.00

27 - Litigation Support

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	2.00	\$206.00	\$412.00
Supervisor II	4.00	\$191.00	\$764.00

Professional Services Subtotal: \$1,176.00

Litigation Support Subtotal: \$1,176.00

***Water Resources Management 2023 Subtotal:* \$175,732.44**

***** Invoice Total *****

\$175,732.44

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PO Box 1350
Carmel Valley, CA 93924

Invoice

Date	Invoice #
8/31/2023	15545

Bill To:

Indian Wells Valley Groundwater Authority
100 W California Ave
Ridgecrest, CA 93555

P.O. No.	Due Date	Inv Sent
	9/30/2023	9/21/2023

Date	Description	Amount
8/31/2023	Contract Services for August - please see attached	26,004.00

Electronic Payment Information: Five Star Bank Routing: 121143037 Account: 003528782	Total \$26,004.00
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Indian Wells Valley

Month: **August, 2023**

Hours and Rates by Pay Period					
	1st -15th		16th - EOM		Monthly
Advisor	Reg Hrs	Bill Rate	Reg Hrs	Bill Rate	Total Billed
CT	22.00	\$ 134.00	29.00	\$ 134.00	\$ 6,834.00
AK	74.10	\$ 105.00	90.60	\$ 105.00	\$ 17,293.50
JK	0.00	\$ -	0.00	\$ -	\$ -
GL	0.00	\$ -	0.00	\$ -	\$ -
AM	0.00	\$ -	0.00	\$ -	\$ -
GS	3.00	\$ 137.00	9.50	\$ 137.00	\$ 1,712.50
EF	0.00	\$ -	0.00	\$ -	\$ -
RM	1.00	\$ 164.00	0.00	\$ -	\$ 164.00
Sub Totals	100.10		129.10		\$ 26,004.00

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PO Box 1350
Carmel Valley, CA 93924

Invoice

Date	Invoice #
8/31/2023	15646

Bill To:
Indian Wells Valley Groundwater Authority 100 W California Ave Ridgecrest, CA 93555

P.O. No.	Due Date	Inv Sent
	10/16/2023	9/29/2023

Date	Description	Amount
8/31/2023	Reimbursable Expenses for Ridgecrest Monthly Rent - please see attached	300.00

Electronic Payment Information: Five Star Bank Routing: 121143037 Account: 003528782	Total	\$300.00
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PO Box 1350
Carmel Valley, CA 93924

Invoice

Date	Invoice #
8/31/2023	15609

Bill To:

IWVGA Web Design

P.O. No.	Due Date	Inv Sent
	9/30/2023	9/25/2023

Date	Description	Amount
8/31/2023	Contract Services for August - please see attached	300.00

Electronic Payment Information: Five Star Bank Routing: 121143037 Account: 003528782	Total	\$300.00
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IWVGA Web Design

Month: **August, 2023**

Hours and Rates by Pay Period					
	1st -15th		16th - EOM		Monthly
Advisor	Reg Hrs	Bill Rate	Reg Hrs	Bill Rate	Total Billed
CD	0.00	\$ -	2.00	\$ 150.00	\$ 300.00
	0.00	\$ -	0.00	\$ -	\$ -
	0.00	\$ -	0.00	\$ -	\$ -
Totals	0.00		2.00		\$ 300.00

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Capitol Core Group, Inc.
 205 Cartwheel Bend (Operations Dept.)
 Austin, TX 78738 US
 512.568.3084
 operations@capitolcore.com
 www.capitolcore.com

BILL TO

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

INVOICE 2023-050

DATE 10/04/2023 **TERMS** Net 45

DUE DATE 11/18/2023

DATE	ACCOUNT SUMMARY	AMOUNT
09/01/2023	Balance Forward	13,831.25
	Other payments and credits after 09/01/2023 through 10/03/2023	-13,831.25
10/04/2023	Other invoices from this date	0.00
	New charges (details below)	16,850.00
	Total Amount Due	16,850.00

ACTIVITY	HOURS	RATE	AMOUNT
Charges			
Task 1: Secure Imported Water Supplies			
Government Relations: Intergovernmental Affairs	0.50	275.00	137.50
Subtask A: Water Rights call (client) {Tatum}			
Government Relations: Intergovernmental Affairs	1.50	250.00	375.00
Subtask A: Water Rights update call (client call) {Simonetti}			
Government Relations: Intergovernmental Affairs	2	275.00	550.00
Subtask B: AVEK Meeting {Tatum}			
Government Relations: Intergovernmental Affairs	3	250.00	750.00
Subtask B: AVEK Call, preparation, and client calls {Simonetti}			
Government Relations: Intergovernmental Affairs	2.50	275.00	687.50
Subtask D: Discussion w/ Agency #3 {Tatum}			
Government Relations: Intergovernmental Affairs	5	275.00	1,375.00
Subtask D: 2024 Water Supplies and Market {Tatum}			
Government Relations: Intergovernmental Affairs	2.50	250.00	625.00
Subtask D: Discussions w/ Public Agency 3 {Simonetti}			
Government Relations: Intergovernmental Affairs	2	275.00	550.00
Subtask D: Discussion w/ Private Seller 5 {Tatum}			
Invoice Total Task 1: \$5,050.00 (19 hours)			
Task 2: Interconnection Pipeline Project			
Government Relations: Federal	7	275.00	1,925.00
Congressional: WRDA-24 Application and finalization; direct advocacy Senator Feinstein, Senator Padilla {McKinney}			

ACTIVITY	HOURS	RATE	AMOUNT
Government Relations:California Legislative: State Budget Request Preparation FY2024-2025 Interconnection Pipeline Project {McKinney}	1.50	275.00	412.50
Government Relations:Federal Agency: USACE PAS -- Scoping Meeting and Funding Plan Agreement Development, internal follow-up call {McKinney}	1.50	275.00	412.50
Government Relations:California Legislative: Updated Briefing Document Preparation CA Legislature {McKinney}	2	275.00	550.00
Government Relations:Federal Congressional: House Briefing Document WRDA-24 Notifications {McKinney}	1.50	275.00	412.50
Government Relations:Federal Congressional: WRDA-24 Package and Application Review {Simonetti}	2.25	250.00	562.50
Government Relations:California Agency: DWR Meeting -- Interconnection Pipeline {Simonetti}	1	250.00	250.00
Government Relations:California Legislative: Interconnection Pipeline Meetings {Simonetti}	1	250.00	250.00
Invoice Total Task 2: \$4,775.00 (17.75 hours)			
Task 3: Water Recycling Project			
Invoice Total Task 3: \$0.00			
Task 4: Wastewater Treatment Plant			
Invoice Total Task 4: \$0.00			
Task 5: Other Projects Supporting the GSP			
Government Relations:California Subtask A: Agency -- Well Mitigation Funding Research; DWR and SWRCB, meeting with P&P {McKinney}	4	275.00	1,100.00
Government Relations:California Subtask A: Well Mitigation Funding research and client call {Simonetti}	1	250.00	250.00
Government Relations:California Subtask D: AB 779 Executive -- Direct Advocacy, Governor's Office, internal meetings, and Asm. Wilson follow-up {McKinney}	3	275.00	825.00
Government Relations:California Subtask D: Legislative/Executive: AB 444 next steps [McKinney]	0.50	275.00	137.50
Government Relations:California Subtask D: Legislative/Executive -- Legislative/Executive Branch Meeting on AB 444, coalition meeting, and next steps. {Simonetti}	3.25	250.00	812.50
Government Relations:California Subtask D: Executive -- Governor's Office meeting coordination AB 560 {Simonetti}	0.50	250.00	125.00
Government Relations:California Subtask D: Executive: Priority/Watch Bill List final review and status {Simonetti}	1.50	250.00	375.00
Invoice Total Task 5: \$3,625.00 (13.75 hours)			
Task 6: Project Administration			
General Business Items:Project Administration Board Meetings: September Board Meeting and materials preparation {McKinney}	3	275.00	825.00

ACTIVITY	HOURS	RATE	AMOUNT
General Business Items:Project Administration Milestone Reports: 2024/2025-2026 IWVGA Legislative Agenda and proposed scope of work {McKinney}	3.50	275.00	962.50
General Business Items:Project Administration Board Meeting: September {Tatum}	2	275.00	550.00
General Business Items:Project Administration Board Meeting: September Meeting and Materials Preparation {Simonetti}	3.50	250.00	875.00
General Business Items:Project Administration Ad-Hoc Report: Infrastructure Finance call {Simonetti}	0.75	250.00	187.50
Invoice Total Task 6: \$3,400.00 (12.75 hours)			

Regulatory Compliance Notes:			
LOBBYING DISCLOSURE FILINGS ARE DUE to the California Secretary of State by October 30, 2023			
IWVGA Federal Reporting Invoice: \$3,312.50			
IWVGA Federal Reporting 3rd Quarter: \$7,693.75			
IWVGA State Reporting Invoice: \$5,087.50			
IWVGA State Reporting 3rd Quarter: \$16,562.50			
City of Ridgecrest Federal Reporting Invoice: \$0.00			
City of Ridgecrest Federal Reporting 3rd Quarter \$375.00			
City of Ridgecrest State Reporting Invoice: \$0.00			
City of Ridgecrest State Reporting 3rd Quarter: \$1,237.50			

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

TOTAL OF NEW CHARGES 16,850.00

TOTAL DUE \$16,850.00

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PROVOST & PRITCHARD CONSULTING GROUP

455 W Fir Ave • Clovis, CA 93611 • (559) 449-2700
www.provostandpritchard.com

April Keigwin
Indian Wells Valley Groundwater Authority
100 West California Avenue
Ridgecrest, CA 93555

September 26, 2023
Project No: 04101-23-001
Invoice No: 103629

Project Name: Indian Wells Valley Groundwater Authority-CEQA/NEPA Documents and Permit Documentation

Client Project #:

TSK 1 Initial Coordination: Initial Coordination tasks with staff and agencies to keep project schedule on track. Weekly coordination meetings and tasks for project progression. Prepare scope and cost for amendment for additional tasks. Meetings and discussion for additional alternatives to current described project. Internal management meetings for project progression discussions.

TSK 2 Geotechnical Studies: Preparations and discussions for geotechnical survey field work. Review boring delineations with team. Discussion regarding the SF-299 form required by BLM. Reimbursable expenses - travel time to California City for field surveys and site construction monitoring on geotechnical investigation work, rental car expense gas, mileage, and lodging for boring survey.

TSK 3 Technical Studies: Biological - Preparation and research for additional technical reports and agency coordination. Biological, cultural, and Air Quality staff coordination for surveys and fieldwork. Cultural - Meeting with cultural sub about extended buffer for survey. Scope amendment discussion with subs. Coordination and discussion with BLM regarding project description for cultural work. Email correspondence with all sub consultant on needs and status of reports for project. Correspondence with BLM on comments for technical reports and ETA of receipt. Invoice for sub consultant field work, research, report preparation, and correspondence.

TSK 4 Public Outreach: Preparations and coordination meeting with Stantec to discuss details for Scoping Meeting in California City and Ridgecrest. Upload Notice of Preparation to State Clearinghouse Portal for public comment period. Conduct dry run of scoping meeting with PowerPoint presentation. Edits to presentation materials and PowerPoint presentation. Email correspondence regarding scoping meetings items and coordination efforts. Prepare materials for Spanish speaking attendees. Update and save files for administrative record. Set up and attendance at scoping meetings in California City and Ridgecrest. Reimbursable expenses - ad posting in periodicals, venue reservation costs, travel time, mileage, lodging, meals for scoping meetings.

TSK 5 Regulatory Compliance and Permitting: Meeting with BLM to discuss permitting needs and progress. Questions and coordination regarding desert wash permits. Email correspondence between staff, BLM, and subconsultant for permitting efforts. Review questions regarding ARDR. Process subconsultant invoices for phase tasks. Subconsultant invoices for permit package and coordination efforts with agencies.

TSK 6 CEQA/NEPA Documentation: Weekly check-in meeting for CEQA & NEPA tasks and coordination. Research and continued drafting sections for CEQA and NEPA reports, Environmental Justice, and Alternatives Analysis. Drafting and revising exhibits for reports based on engineering updates. Memo preparation for environmental analysis. Email correspondence and coordination amongst staff for alternatives and path forward for project.

Professional Services from August 01, 2023 to August 31, 2023

Phase:	TSK1	Initial Coordination		
Labor				
			Hours	Rate
				Amount
	Principal Engineer		4.80	217.00
	Project Administrator		14.60	108.00
	Principal Planner		26.30	188.00
	Totals		45.70	7,562.80
	Total Labor			7,562.80
Consultants				
	Consultants			2,113.13
	Total Consultants			2,113.13
Reimbursable Expenses				
	Travel & Mileage			333.70

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Postage/Shipping/Delivery			759.00	
Total Reimbursables			1,092.70	1,092.70
		Total this Phase:		\$10,768.63

Phase: TSK2 Geotechnical Studies

Labor

	Hours	Rate	Amount	
Project Administrator	1.00	108.00	108.00	
Senior GIS Specialist	.50	147.00	73.50	
Principal Planner	3.40	188.00	639.20	
Associate Biologist	9.00	130.00	1,170.00	
Totals	13.90		1,990.70	
Total Labor				1,990.70

Consultants

Consultants			1,669.34	
Total Consultants			1,669.34	1,669.34

Reimbursable Expenses

Travel & Mileage			165.81	
Total Reimbursables			165.81	165.81
		Total this Phase:		\$3,825.85

Phase: TSK3 Technical Studies

Labor

	Hours	Rate	Amount	
Project Administrator	.40	94.00	37.60	
Project Administrator	5.70	108.00	615.60	
Principal Planner	5.90	188.00	1,109.20	
Associate Biologist	7.80	130.00	1,014.00	
Principal Biologist	4.00	165.00	660.00	
Totals	23.80		3,436.40	
Total Labor				3,436.40

Consultants

Consultants			5,284.25	
Total Consultants			5,284.25	5,284.25

Total this Phase: \$8,720.65

Phase: TSK4 Public Outreach

Labor

	Hours	Rate	Amount	
Project Administrator	2.70	101.00	272.70	
Project Administrator	56.70	108.00	6,123.60	
Assistant Planner	15.70	103.00	1,617.10	
Principal Planner	25.60	188.00	4,812.80	
Travel Time	17.30	80.00	1,384.00	
Totals	118.00		14,210.20	
Total Labor				14,210.20

Consultants

Consultants			9,223.00	
Total Consultants			9,223.00	9,223.00

Reimbursable Expenses

Printing, Repro & Photographs	205.88	
Other Direct Reimb Expenses	1,170.21	
Total Reimbursables	1,376.09	1,376.09
	Total this Phase:	\$24,809.29

Phase: TSK5 Regulatory Compliance and Permitting

Labor

	Hours	Rate	Amount
Project Administrator	1.00	108.00	108.00
Assistant Envir. Spec.	.10	120.00	12.00
Principal Planner	1.40	188.00	263.20
Associate Biologist	.30	116.00	34.80
Totals	2.80		418.00
Total Labor			418.00

Consultants

Consultants	10,954.11	
Total Consultants	10,954.11	10,954.11
	Total this Phase:	\$11,372.11

Phase: TSK6 CEQA/NEPA Documentation

Labor

	Hours	Rate	Amount
Project Administrator	13.60	108.00	1,468.80
Senior GIS Specialist	8.20	147.00	1,205.40
Assistant Planner	16.40	110.00	1,804.00
Assistant Planner	17.00	90.00	1,530.00
Principal Planner	4.10	188.00	770.80
Associate Planner	1.00	138.00	138.00
Senior Planner	4.80	173.00	830.40
Associate GIS Specialist	7.50	105.00	787.50
Associate Biologist	9.80	130.00	1,274.00
Travel Time	10.50	80.00	840.00
Totals	92.90		10,648.90
Total Labor			10,648.90

Total this Phase: \$10,648.90

Total this Invoice \$70,145.43

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PROVOST & PRITCHARD CONSULTING GROUP

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www.provostandpritchard.com

April Keigwin
Indian Wells Valley Groundwater Authority
100 West California Avenue
Ridgecrest, CA 93555

September 29, 2023
Project No: 04101-23-002
Invoice No: 103854

Project Name: IWVGA Imported Water Conveyance Design Services

Client Project #:

Monthly Progress Report attached.

Professional Services from September 01, 2023 to September 24, 2023

Phase: 121P Coordination Meetings

Labor

	Hours	Rate	Amount	
Senior Engineer	2.00	186.00	372.00	
Senior Engineer	.50	178.00	89.00	
Senior Engineer	10.50	195.00	2,047.50	
Assistant Engineer	1.50	126.00	189.00	
Associate Engineer	2.50	156.00	390.00	
Principal Engineer	3.40	217.00	737.80	
Principal Engineer	5.70	207.00	1,179.90	
Principal Engineer	.50	227.00	113.50	
Principal Engineer	.80	248.00	198.40	
Project Administrator	.20	108.00	21.60	
Associate Technician	1.00	119.00	119.00	
Totals	28.60		5,457.70	
Total Labor				5,457.70
			Total this Phase:	\$5,457.70

Phase: 131P P&P General PM

Labor

	Hours	Rate	Amount	
Senior Engineer	.50	186.00	93.00	
Senior Engineer	42.90	195.00	8,365.50	
Principal Engineer	.60	217.00	130.20	
Principal Engineer	.80	227.00	181.60	
Principal Engineer	29.40	238.00	6,997.20	
Project Administrator	.10	94.00	9.40	
Project Administrator	4.20	101.00	424.20	
Totals	78.50		16,201.10	
Total Labor				16,201.10
			Total this Phase:	\$16,201.10

Phase: 132S Stantec General PM

Consultants

Consultants			6,021.40	
Total Consultants			6,021.40	6,021.40

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Total this Phase: \$6,021.40

Phase: 211S Coordination Edison MOS Application

Consultants

Consultants	26,979.00
Total Consultants	26,979.00

Total this Phase: \$26,979.00

Phase: 221P Env & ROW Consultant Coord

Labor

	Hours	Rate	Amount
Senior Engineer	12.20	195.00	2,379.00
Totals	12.20		2,379.00
Total Labor			2,379.00

Total this Phase: \$2,379.00

Phase: 241P Utility Research/Coordination

Labor

	Hours	Rate	Amount
Senior Engineer	19.00	178.00	3,382.00
Senior Engineer	4.50	195.00	877.50
Assistant Engineer	5.12	126.00	645.12
Principal Engineer	1.20	207.00	248.40
Travel Time	2.00	80.00	160.00
Totals	31.82		5,313.02
Total Labor			5,313.02

Reimbursable Expenses

Travel & Mileage	232.45
Total Reimbursables	232.45

Total this Phase: \$5,545.47

Phase: 271P BLM Special Use Permit

Labor

	Hours	Rate	Amount
Senior Engineer	32.70	195.00	6,376.50
Assistant Engineer	12.30	112.00	1,377.60
Assistant Engineer	25.40	126.00	3,200.40
Project Administrator	1.00	108.00	108.00
Senior Technician	58.00	150.00	8,700.00
Assistant Planner	7.80	110.00	858.00
Assistant Planner	25.90	90.00	2,331.00
Principal Planner	2.50	188.00	470.00
Associate Biologist	18.00	130.00	2,340.00
Totals	183.60		25,761.50
Total Labor			25,761.50

Total this Phase: \$25,761.50

Phase: 273P City of California City Permit

Labor

	Hours	Rate	Amount	
Senior Engineer	1.50	178.00	267.00	
Senior Engineer	2.60	195.00	507.00	
Totals	4.10		774.00	
Total Labor				774.00
			Total this Phase:	\$774.00

Phase: 274P Kern Roads Agreement/Encroachment Permit

Labor

	Hours	Rate	Amount	
Senior Engineer	21.00	178.00	3,738.00	
Totals	21.00		3,738.00	
Total Labor				3,738.00
			Total this Phase:	\$3,738.00

Phase: 275P SCE Encroachment Permit

Labor

	Hours	Rate	Amount	
Senior Engineer	15.20	178.00	2,705.60	
Senior Engineer	3.10	195.00	604.50	
Associate Engineer	1.50	156.00	234.00	
Principal Engineer	1.60	207.00	331.20	
Totals	21.40		3,875.30	
Total Labor				3,875.30
			Total this Phase:	\$3,875.30

Phase: 281P P&P Preliminary Design Report

Labor

	Hours	Rate	Amount	
Senior Engineer	3.30	178.00	587.40	
Senior Engineer	10.20	195.00	1,989.00	
Associate Engineer	6.90	140.00	966.00	
Associate Engineer	4.50	156.00	702.00	
Principal Engineer	2.50	207.00	517.50	
Principal Engineer	10.10	227.00	2,292.70	
Associate GIS Specialist	1.40	105.00	147.00	
Totals	38.90		7,201.60	
Total Labor				7,201.60
			Total this Phase:	\$7,201.60

Phase: 282D P&P Drafting Preliminary Design

Labor

	Hours	Rate	Amount	
Senior Technician	5.00	150.00	750.00	
Associate Technician	5.00	119.00	595.00	
Totals	10.00		1,345.00	
Total Labor				1,345.00
			Total this Phase:	\$1,345.00

Project	04101-23-002	IWVGA Imported Water Conveyance Design	Invoice	103854
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Phase: 283S Stantec Preliminary Design Report

Consultants

Consultants			8,761.85	
Total Consultants			8,761.85	8,761.85
		Total this Phase:		\$8,761.85

Phase: 28T2 Pipe Optimizations TM

Labor

	Hours	Rate	Amount	
Principal Engineer	2.80	227.00	635.60	
Principal Engineer	.40	238.00	95.20	
Project Administrator	3.00	101.00	303.00	
Totals	6.20		1,033.80	
Total Labor				1,033.80
		Total this Phase:		\$1,033.80

Phase: 28T3 Power Availability & Coord with SCE TM S

Consultants

Consultants			15,266.25	
Total Consultants			15,266.25	15,266.25
		Total this Phase:		\$15,266.25

Phase: 311P P&P 30% Submittal

Labor

	Hours	Rate	Amount	
Senior Engineer	2.00	178.00	356.00	
Senior Engineer	25.50	195.00	4,972.50	
Associate Engineer	4.00	140.00	560.00	
Assistant Engineer	.80	112.00	89.60	
Assistant Engineer	4.00	126.00	504.00	
Associate Engineer	14.00	156.00	2,184.00	
Principal Engineer	3.30	207.00	683.10	
Principal Engineer	.80	227.00	181.60	
Principal Engineer	3.00	248.00	744.00	
Totals	57.40		10,274.80	
Total Labor				10,274.80
		Total this Phase:		\$10,274.80

Phase: 312D P&P Drafting 30% Submittal

Labor

	Hours	Rate	Amount
Senior Engineer	.50	178.00	89.00
Assistant Engineer	2.30	105.00	241.50
Senior Technician	2.30	143.00	328.90
Assistant Engineer	3.50	126.00	441.00
Associate Engineer	1.50	156.00	234.00
Principal Engineer	1.00	207.00	207.00
Principal Engineer	1.00	227.00	227.00
Senior Technician	2.60	158.00	410.80
Senior Technician	5.80	150.00	870.00

Project	04101-23-002	IWVGA Imported Water Conveyance Design	Invoice	103854
Associate Technician		5.80	119.00	690.20
Totals		26.30		3,739.40
Total Labor				3,739.40
Total this Phase:				\$3,739.40

Phase:	313S	Stantec 30% Submittal		
Consultants				
Consultants				5,152.00
Total Consultants				5,152.00
Total this Phase:				\$5,152.00

Phase:	316P	Plans w/ Potholing Info - 30%		
Labor				
		Hours	Rate	Amount
Senior Technician		.50	150.00	75.00
Totals		.50		75.00
Total Labor				75.00
Total this Phase:				\$75.00

Phase:	31T3	Pipeline Calculations TM - 30%		
Labor				
		Hours	Rate	Amount
Principal Engineer		.20	227.00	45.40
Totals		.20		45.40
Total Labor				45.40
Total this Phase:				\$45.40

Phase:	31T4	Pipeline Facilities TM - 30%		
Labor				
		Hours	Rate	Amount
Principal Engineer		1.50	227.00	340.50
Totals		1.50		340.50
Total Labor				340.50
Total this Phase:				\$340.50

Phase:	31T9	Preliminary Permitting Reqs - 30%		
Labor				
		Hours	Rate	Amount
Principal Engineer		1.00	207.00	207.00
Totals		1.00		207.00
Total Labor				207.00
Total this Phase:				\$207.00

Phase:	421P	P&P Water Quality Bench Testing		
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Labor

	Hours	Rate	Amount	
Associate Engineer	12.00	156.00	1,872.00	
Totals	12.00		1,872.00	
Total Labor				1,872.00
			Total this Phase:	\$1,872.00

Phase: 422L Water Quality Laboratory Testing

Labor

	Hours	Rate	Amount	
Project Administrator	.30	108.00	32.40	
Totals	.30		32.40	
Total Labor				32.40
			Total this Phase:	\$32.40

Billing Limits

	Current	Prior	To-Date	
Total Billings	152,079.47	1,363,698.59	1,515,778.06	
Budget			3,770,969.00	
Budget Remaining			2,255,190.94	
			Total this Invoice	<u>\$152,079.47</u>

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Invoice

Please remit payment to:
P.O. Box 71368
Chicago, IL 60694-1368

TranSystems Corporation

www.transystems.com

If you have any questions, please call:
(562) 304-2000

Client:

Indian Wells Valley Groundwater Authorit
Attn: April Keigwin - Clerk of the Board
100 W California Ave.
Ridgecrest, CA 93555

Reference:

Invoice Date: 8/31/2023
Project No: P601230025
Invoice No: INV-0004244879

Project Name: IWV-Imported Water Pipeline

For professional services rendered August 1, 2023 through August 31, 2023 for the above referenced project.

Staff Type	Name	Rate	Hours	Amount
Labor				
Industry Specialist 2	Joi Speck	135.00	0.30	\$40.50
Project Consultant 3	April C. Harvey	250.00	6.50	\$1,625.00
	Donald M. Anderson	150.00	6.90	\$1,035.00
R/W Specialist III	Alia N. Mills	135.00	4.00	\$540.00
Total Labor			17.70	\$3,240.50
Invoice Total				\$3,240.50

TranSystems Corporation

Donald M. Anderson
Project Manager

TERMS: PAYABLE UPON RECEIPT

1 1/2% INTEREST CHARGE PER MONTH WILL BE ADDED TO ALL PAST DUE INVOICES OLDER THAN 45 DAYS IF INDICATED IN THE CONTRACT TERMS

Hours Charged by Project

For Timesheet Period: 8/1/2023 - 8/31/2023

Project	Name	Time By Day	Entered Hours	Daily Comments
P601230025				
	Donald M. Anderson			
		8/3/2023	1.00	Meeting on CEQA alternatives and Scoping Meetings and follow up.
		8/10/2023	0.30	Reviewed and approved invoicing.
		8/14/2023	1.50	Project Development Team meeting.
		8/17/2023	0.50	Call with Sully-Miller and follow up with P&P.
		8/28/2023	2.60	Bi-weekly PDT meeting and review and editing of Right of Entry Spreadsheet.
		8/29/2023	1.00	Call with Mike M. and follow regarding critical parcels.
	Corey Nelson			
		8/29/2023	0.50	EDF Renewables - Owner contact/staff coordination.
	Joi Speck			
		8/14/2023	0.30	APN 154-170-05 Sully-Miller - Right of Entry upload to P1
	April C Harvey			
		8/3/2023	0.50	ROE status review with D. Anderson
		8/7/2023	0.50	Met with Joi on P1 documentation; review ROEs
		8/9/2023	0.50	Weldon ROE review
		8/14/2023	3.00	Review ROE with Don; Discussion with Don on Sully Miller; Project Call with Client via Teams
		8/15/2023	0.50	Coordinate with Alia on ROE follow ups
		8/16/2023	0.50	Arranged discussion with Sully Miller ROE coordination with Alia and Don
		8/17/2023	0.50	Don and April meeting via Teams with Sully Miller on Auto insurance
	Alia N Mills			
		8/25/2023	4.00	IVW Property Contact Report - efforts to contact prop owners to gain fully executed ROE permits, contact homeowners and obtain valid contact information.
P601230025			17.70	
Grand Total			17.70	

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REPAYMENT SCHEDULE FOR CITY OF RIDGECREST OBLIGATION

PAYMENT FOR OCTOBER 2023

125,000

SEPTEMBER PAYMENT

EST PMT DATE	PAYMENT	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	TOTAL
8/23/2023	Payment 1	125,000	-	-	-	125,000
9/13/2023	Payment 2	-	125,000	-	-	125,000
10/11/2023	Payment 3	-	-	125,000	-	125,000
	SUBTOTAL	<u>125,000</u>	<u>125,000</u>	<u>125,000</u>	<u>-</u>	<u>375,000</u>

REMAINING PAYMENTS

EST PMT DATE	PAYMENT	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	TOTAL
Nov Mtg	Payment 4	-	-	-	125,000	125,000
	SUBTOTAL	<u>-</u>	<u>-</u>	<u>-</u>	<u>125,000</u>	<u>125,000</u>

ADOPTED 2023 OBLIGATION REPAYMENTS

	Kern County	City of Ridgecrest	Augmentation Fund	Total
Advance Agreements				
Advance of Funds-Est. Repayment 12/31/2022	-	-	-	-
In-Kind Services				
Attorney Services/IT/Council Chambers	-	500,000	-	500,000
Financing				
Water Purchase related Financing- TBD	-	-	-	-
	<u>-</u>	<u>500,000</u>	<u>-</u>	<u>500,000</u>

Upon repayment of Obligations, an inter-fund loan will be created between the Extraction Fund and Augmentation Fund for amount not funded by the Extraction Fund.

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IWVGA ADMINISTRATIVE OFFICE

STAFF REPORT

TO: IWVGA Board of Directors **DATE: October 8, 2023**

FROM: Carol Thomas-Keefer, General Manager

SUBJECT: Proposed 2024 Budget

In accordance with Section 9.07 of the Groundwater Authority's enabling Joint Exercise of Powers Agreement, staff has developed for Board consideration a draft budget for the fiscal year beginning January 1, 2024.

Key Budget Points and Assumptions:

- The total proposed budget, including projected expenditures from all funds, is approximately \$6.23 million. Total revenues are projected at \$6.85 million. This reflects an increase in proposed expenditures of \$1.3 million from the 2023 budget. Replenishment Fees are projected to decrease by \$642,000 in 2024 as compared to 2023 estimates. Anticipated revenue and expense of \$2.6 million associated with the SGMA IP grant and Urban Community Drought Relief Grant Program is reflected in 2024, as is a projected increase in basin management, lobbying, legal and administration expenses anticipated to accommodate IWVGA's increased activities associated with project implementation, funding and outreach.
- Extraction fee expenses total \$1.96 million and require an inter-fund transfer of approximately \$701,000 to balance the budget.
- Legal fees relating to pending litigation and outside of general counsel services are again budgeted as expenses to the Augmentation portion of the Replenishment fund.
- Administration costs are split equally between Extraction and Replenishment fees, consistent with previous approved budgets.
- Annual consultant contract fees (RGS and Capitol Core Group) are proposed to marginally increase and represent a placeholder only, subject to approval or revision when these contracts are presented for renewal in December 2023. Final budget figures will be adjusted to reflect board approvals.
- Repayment to the City of Ridgecrest continues in FY 2024 toward in-kind services provided since 2016.

ACTION(S) REQUIRED BY THE BOARD

The Board should review and consider adoption of the proposed 2024 draft budget as presented or with revisions as directed by the Board.

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PROPOSED ANNUAL BUDGET BY REVENUE ALLOCATION

	BY REVENUE ALLOCATION					TOTAL PROPOSED BUDGET
	Restricted	Restricted	Restricted	Restricted	Restricted	
	Extraction	Augmentation	Shallow Well Mitigation	DWR Grants	Navy/COSO Royalty	
REVENUE						
Extraction Fee	1,263,960	-	-	-	-	1,263,960
Augmentation Fee	-	2,478,810	-	-	-	2,478,810
Shallow Well Mitigation	-	-	133,395	-	-	133,395
Dept. of Water Resources Grants	-	-	-	2,635,000	-	2,635,000
Navy/COSO Royalty Fund	-	-	-	-	345,000	345,000
TOTAL REVENUES	1,263,960	2,478,810	133,395	2,635,000	345,000	6,856,165
EXPENSES						
Administration	320,305	407,280	-	-	-	727,585
Non-Departmental ¹	390,140	714,950	-	-	-	1,105,090
Community & Engagement	50,315	-	-	-	-	50,315
Shallow Well Mitigation Programs	-	-	80,000	-	-	80,000
Navy/COSO Program	35,000	-	-	-	345,000	380,000
Basin Management Administration	277,500	-	-	-	-	277,500
Basin Management	816,700	85,000	-	-	-	901,700
Grant Management	75,000	-	-	-	-	75,000
IP Grant Program	-	-	-	2,500,000	-	2,500,000
Urban Comm. Drought Relief Grant	-	-	-	135,000	-	135,000
TOTAL EXPENSES	1,964,960	1,207,230	80,000	2,635,000	345,000	6,232,190
Surplus (Deficit)	(701,000)	1,271,580	53,395	-	-	623,975

¹ Budget includes proposed \$500,000 Repayment to City of Ridgecrest

BEGINNING & ENDING BALANCES

	Beginning Balances	Revenue	Transfer In **	Transfer Out**	Expenses	Ending Balances
Extraction Fund	-	1,263,960	701,000	-	1,964,960	-
Augmentation Fund	-	2,478,810	-	701,000	1,207,230	570,580
Shallow Well Mitigation Fund	-	133,395	-	-	80,000	53,395
Dept. of Water Resources Grant	-	2,635,000	-	-	2,635,000	-
Navy/COSO Royalty Fund	-	345,000	-	-	345,000	-
TOTAL	-	6,856,165	701,000	701,000	6,232,190	623,975

*The Extraction Fund Budget will be balanced through a loan from the Augmentation Fund.***

IWVGA
PROPOSED 2024 BUDGET
PROPOSED REVENUES

	Actual 2018	Actual 2019	Actual 2020	Actual 2021	Unaudited 2022	Estimated 2023	Proposed 2024	\$ Diff
Extraction Fee	166,261	514,784	795,136	1,319,924	1,263,960	1,263,960	1,263,960	-
Augmentation Fee	-	-	-	4,076,498	3,785,633	3,121,271	2,478,810	(642,461)
Shallow Well Mitigation Fee	-	-	-	125,776	133,395	133,395	133,395	-
TOTAL	<u>166,261</u>	<u>514,784</u>	<u>795,136</u>	<u>5,522,199</u>	<u>5,182,988</u>	<u>4,518,626</u>	<u>3,876,165</u>	<u>(642,461)</u>

Assumptions:

Prior Year Actuals based on audited revenues. Projections conservatively based on prior year actuals.

Augmentation FY2024 forecast based on 2023 production data for a portion of the year and 2022 production data for the remainder of the year.

The Augmentation projection will be updated in early 2024.

All SWM Fees associated with Augmentation/Replenishment is included in the Shallow Well Mitigation Fee revenue.

Notes:

Additional revenue is pending from Searles Valley Minerals and Mojave Pistachios

Augmentation Fee has also been referred to as Replenishment Fee or Basin Replenishment Fee

Shallow Well Mitigation Fee has also been referred to as Transient Pool Fee.

OUTSTANDING OBLIGATIONS

	City of Ridgecrest	Augmentation Fund	Total
In-Kind Services ¹			
Attorney Srvcs./IT/Chambers -FY23 -YE Est	208,500	-	208,500
Attorney Srvcs./IT/Chambers -FY22	241,204	-	241,204
Attorney Srvcs./IT/Chambers -FY 21	325,235	-	325,235
Attorney Srvcs./IT/Chambers -FY's16-20	366,982	-	366,982
Repayment in FY2023 for Prior Years	(500,000)	-	(500,000)
Repayment in FY2023 for Current Year-Budgeted Pmt	(208,500)	-	(208,500)
Inter-Fund Loans			
2024 Loan to Extraction Fund-Estimated ²	-	701,000	701,000
2023 Loan to Extraction Fund-Estimated ²	-	200,000	200,000
Repayment of Adv. Of Funds ³	-	642,200	642,200
Advance of Funds			
	-	-	-
Financing			
	-	-	-
Postponed Invoice Payments			
	-	-	-
Total	433,421	1,543,200	1,976,621

¹ City of Ridgecrest In-Kind Services includes services associated with Extraction and Augmentation expenses.

² Estimated; FY2024 is included in proposed budget

³ IWVWD used restricted Augmentation Revenue to repay the Advance Agreement of \$500,000

Repayment of the IWVWD Advance requires a transfer from the Extraction Fund to the Augmentation Fund.

³ Kern Cnty Repymnt was \$500k but it is estimated only \$142,200 will be loaned from the Augmentation Fund

PROPOSED 2024 OBLIGATION REPAYMENTS

	City of Ridgecrest	Augmentation Fund	Total
In-Kind Services			
Attorney Services/IT/Council Chambers	500,000	-	500,000
Advance Agreements			
Advance of Funds	-	-	-
Financing			
Water Purchase related Financing	-	-	-
	-	-	-

Upon repayment of Obligations, an inter-fund loan will be created between the Extraction Fund and Augmentation Fund for amount not funded by the Extraction Fund.

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION

Restricted	Restricted	Restricted	Restricted	Restricted	TOTAL
Extraction	Augmentation	Shallow Well Mitigation	DWR Grants	Navy/COSO Royalty	PROPOSED BUDGET
1,263,960	-	-	-	-	1,263,960
701,000	-	-	-	-	701,000
-	-	-	-	-	-
-	2,478,810	-	-	-	2,478,810
-	-	-	-	-	-
-	-	133,395	-	-	133,395
-	-	-	2,635,000	-	2,635,000
-	-	-	-	345,000	345,000
1,964,960	2,478,810	133,395	2,635,000	345,000	7,557,165

1	REVENUE						
2	Extraction Fee	1,263,960	-	-	-	-	1,263,960
3	Transfer In/Loan from Augmentation Fund	701,000	-	-	-	-	701,000
4	Transfer In from Grant Funds	-	-	-	-	-	-
5	Augmentation Fee	-	2,478,810	-	-	-	2,478,810
6	Transfer In/Loan Repayment from Extraction Fund	-	-	-	-	-	-
7	Shallow Well Mitigation Fee	-	-	133,395	-	-	133,395
8	Department of Water Resources (DWR) Grants-IP Grant	-	-	-	2,635,000	-	2,635,000
9	Navy/COSO Royalty Fund	-	-	-	-	345,000	345,000
10							
11	TOTAL REVENUES	1,964,960	2,478,810	133,395	2,635,000	345,000	7,557,165
12							
13	EXPENSES						
14	Administration						
15	Administration (RGS)	170,000	170,000	-	-	-	340,000
16	Office Rent (City of Ridgecrest)	1,800	1,800	-	-	-	3,600
17	Office Supplies	500	500	-	-	-	1,000
18	Postage and Delivery	180	180	-	-	-	360
19	External Audit	18,500	18,500	-	-	-	37,000
20	Council Chambers/IT Services (City of Ridgecrest)	8,500	-	-	-	-	8,500
21	General Counsel (Aleshire & Wynder/City of Ridgecrest)	92,700	216,300	-	-	-	309,000
22	Additional Legal Services (Aleshire & Wynder)	10,000	-	-	-	-	10,000
23	Additional Legal Services-Imported Water Pipeline (Aleshire & Wynder)	-	-	-	-	-	-
24	Insurance Premium (Insurica)	16,000	-	-	-	-	16,000
25	Legal Notices (Daily Independent)	2,000	-	-	-	-	2,000
26	Memberships (Cal. Assoc.Mutual Water Co)	100	-	-	-	-	100
27	Bank Service Charges	25	-	-	-	-	25

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION

Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
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28	Non-Departmental					28	
29	Other Legal Services (RWG Law)	-	400,000	-	-	400,000	29
30	Lobbying Services (Capitol Core)	-	204,950	-	-	204,950	30
31	Other Professional Services	-	-	-	-	-	31
32	California State Lands Commission	140	-	-	-	140	32
33	Repayment of City of Ridgecrest In-Kind Services	390,000	110,000	-	-	500,000	33
34	Transfer Out/ Loan Repayment to Augmentation Fund	-	-	-	-	-	34
35	Transfer Out/Loan to Extraction Fund	-	701,000	-	-	701,000	35
36							36
37	Community & Engagement						37
38	Design Services	25,000	-	-	-	25,000	38
39	Printing and Reproduction	10,000	-	-	-	10,000	39
40	Website Services	15,000	-	-	-	15,000	40
41	Website (IWVWD)	315	-	-	-	315	41
42							42
43	Shallow Well Mitigation Program						43
44	Shallow Well Mitigation Emergency Assistance Program	-	-	50,000	-	50,000	44
45	Outreach and Impacts Eval.(Stetson)	-	-	30,000	-	30,000	45
46							46
47	NAVY/COSO Program						47
48	Rose Valley MW Permitting, Bid, Drilling (Stetson)	-	-	-	45,000	45,000	48
49	Rose Valley Construction	-	-	-	300,000	300,000	49
50	Navy/COSO Cooperative Agreement (Stetson)	10,000	-	-	-	10,000	50
51	Develop Projects & Secure Funding (Stetson)	25,000	-	-	-	25,000	51
52							52

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION

Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
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53	Basin Management Administration						53	
54	Production Reporting, Transient Pool, and Fee Support (Stetson)	25,000	-	-	-	-	25,000	54
55	Meetings and Prep (Stetson)	160,000	-	-	-	-	160,000	55
56	Budget Support (Stetson)	7,500	-	-	-	-	7,500	56
57	Stakeholder Coordination (Stetson)	5,000	-	-	-	-	5,000	57
58	Litigation Support (Stetson)	80,000	-	-	-	-	80,000	58
59								59
60	Basin Management							60
61	General Engineering (Stetson)	50,000	-	-	-	-	50,000	61
62	TSS: General Coordination/Application Support (Stetson)	15,000	-	-	-	-	15,000	62
63	GSP 5-Year Update (Stetson)	200,000	-	-	-	-	200,000	63
64	Annual Report Preparation (Stetson)	60,000	-	-	-	-	60,000	64
65	Data Management System Support (Stetson)	30,000	-	-	-	-	30,000	65
66	Allocation Plan and Rules & Regs on Pumping/Restrictions (Stetson)	10,000	-	-	-	-	10,000	66
67	General Project Management (Stetson)	40,000	-	-	-	-	40,000	67
68	Model Transfer and Upgrade (Stetson)	220,000	-	-	-	-	220,000	68
69	Data Collection, Monitoring, and Data Gaps (Stetson)	175,000	-	-	-	-	175,000	69
70	Imported Water: Negotiations and Coordination(Stetson)	-	10,000	-	-	-	10,000	70
71	Recycled Water (Stetson)	-	75,000	-	-	-	75,000	71
72	Review of Outside Studies and Coordination (Stetson)	15,000	-	-	-	-	15,000	72
73	Well Monitoring Services (WellIntel Inc.)	1,700	-	-	-	-	1,700	73

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION

Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
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74	Grant Management						74	
75	Grant Review and Application Preparation (Stetson)	75,000	-	-	-	75,000	75	
76							76	
77	IP Grant						77	
78	IP Grant Administration	-	-	-	60,000	60,000	78	
79	Imported Water: Planning/Design/Environmental (Stetson)	-	-	-	230,000	230,000	79	
80	Imported Water: Engagement/Outread (Stetson)	-	-	-	10,000	10,000	80	
81	Engagement /Outreach- (Provost& Pritchard)	-	-	-	2,000,000	2,000,000	81	
82	Bureau of Land Management	-	-	-	100,000	100,000	82	
83	Imported Water Pipeline (Transystems)	-	-	-	100,000	100,000	83	
84							84	
85	Urban Community Drought Relief Grant Program						85	
86	Urban Community Drought Relief Funding Administration	-	-	-	60,000	60,000	86	
87	Shallow Well Consolidation Project (Stetson)	-	-	-	75,000	75,000	87	
88							88	
89	TOTAL EXPENSES	1,964,960	1,908,230	80,000	2,635,000	345,000	6,933,190	89
90							90	
91	Surplus (Deficit)	(0)	570,580	53,395	-	-	623,975	91

EXTRACTION FUND

	<u>PROPOSED BUDGET</u>
REVENUE	
Extraction Fee	1,263,960
Transfer In/Loan From Augmentation Fund	701,000
Transfer In from Grant Funds-Prop 1/ Prop 68 (Retention Rpaymt)	-
TOTAL EXTRACTION FUND REVENUES	<u>1,964,960</u>

	<u>PROPOSED BUDGET</u>
EXPENSES	
Administration	
Administration	170,000
Office Rent	1,800
Office Supplies	500
Postage and Delivery	180
External Audit	18,500
Council Chambers/IT Services	8,500
General Counsel	92,700
Additional Legal Services	10,000
Insurance Premium	16,000
Legal Notices	2,000
Memberships	100
Bank Service Charges	25
Non-Departmental	
California State Lands Commission	140
Repayment of City of Ridgecrest In-Kind Services	390,000
Community & Engagement	
Design Services	25,000
Printing and Reproduction	10,000
Website Services	15,000
Website	315
NAVY/COSO Program	
Navy/COSO Cooperative Agreement (Stetson)	10,000
Develop Projects & Secure Funding (Stetson)	25,000

EXTRACTION FUND (Cont'd)

	PROPOSED BUDGET
Basin Management Administration	
Production Reporting, Transient Pool, and Fee Support	25,000
Meetings and Prep	160,000
Budget Support	7,500
Stakeholder Coordination	5,000
Litigation Support	80,000
Basin Management	
General Engineering	50,000
TSS: General Coordination/Application Support	15,000
GSP 5-Year Update	200,000
Annual Report Preparation	60,000
Data Management System Support	30,000
EXPENSES	
Basin Management (Cont'd)	
Allocation Plan and Rules & Regs on Pumping/Restrictions	10,000
Conservation Efforts	-
General Project Management	40,000
Model Transfer and Upgrade	220,000
Navy/Coso Royalty Fund: Develop Projects & Secure Funding	
Data Collection, Monitoring, and Data Gaps	175,000
Review of Outside Studies and Coordination	15,000
Well Monitoring Services	1,700
Grant Management	
Prop 1 / Prop 68 Grant Administration	-
Grant Review and Application Preparation	75,000
TOTAL EXTRACTION FUND EXPENSES	1,964,960
Total Extraction Fund Surplus (Deficit)	-

AUGMENTATION FUND

	<u>PROPOSED BUDGET</u>
REVENUE	
Augmentation Fee	2,478,810
Transfer In/Loan Repayment from Extraction Fund	-
TOTAL AUGMENTATION FUND REVENUES	<u>2,478,810</u>
	<u>PROPOSED BUDGET</u>
EXPENSES	
Administration	
Administration	170,000
Office Rent	1,800
Office Supplies	500
Postage and Delivery	180
External Audit	18,500
General Counsel	216,300
Non-Departmental	
Other Legal Services	400,000
Lobbying Services	204,950
Other Professional Services	-
Repayment of City of Ridgecrest In-Kind Services	110,000
Transfer Out/Loan To Extraction Fund	701,000
Basin Management	
Imported Water: Negotiations and Coordination	10,000
Recycled Water	75,000
TOTAL AUGMENTATION FUND EXPENSES	<u>1,908,230</u>
Augmentation Fund Surplus (Deficit)	<u><u>570,580</u></u>

SHALLOW WELL MITIGATION FUND

	<u>PROPOSED BUDGET</u>
REVENUE	
Shallow Well Mitigation Fee	133,395
TOTAL SHALLOW WELL MITIGATION FUND REVENUES	<u>133,395</u>
	<u>PROPOSED BUDGET</u>
EXPENSES	
Non-Departmental	
Shallow Well Mitigation Emergency Assistance Program	50,000
Basin Management	
Shallow Well Mitigation Program: Outreach and Impacts Evaluation	30,000
TOTAL SHALLOW WELL MITIGATION FUND EXPENSES	<u>80,000</u>
Shallow Well Mitigation Fund Surplus (Deficit)	<u><u>53,395</u></u>

NAVY/COSO ROYALTY FUND

	<u>PROPOSED BUDGET</u>
REVENUE	
Navy/COSO Royalty Fund	345,000
TOTAL NAVY/COSO ROYALTY FUND	<u>345,000</u>
	<u>PROPOSED BUDGET</u>
EXPENSES	
Navy/Coso Royalty Fund: Rose Valley MW Permitting, Bid, Drilling	45,000
Rose Valley Construction	300,000
SUBTOTAL NAVY/COSO FUND EXPENSES	<u>345,000</u>
Navy/COSO Royalty Fund Surplus (Deficit)	<u><u>-</u></u>

Department of Water Resources Grant Fund

	PROPOSED BUDGET
REVENUE	
Sustainable Groundwater Management Grant Program-SGMA Imple. Grant	2,500,000
Urban Community Drought Relief Grant Program	135,000
TOTAL GRANTS FUND	2,635,000

	PROPOSED BUDGET
EXPENSES	
Urban Community Drought Relief Grant Program	
Urban Community Drought Relief Funding Administration	60,000
Shallow Well Consolidation Project	75,000
Implementation Grant	
Grant Management	
IP Grant Administration	60,000
Imported Water :Planning/Design/Envrionmental	230,000
Imported Water: Engagement /Outreach	10,000
Engagement/Outreach	2,000,000
Bureau of Land Management	100,000
Imported Water Pipeline	100,000
TOTAL GRANTS FUND	2,635,000

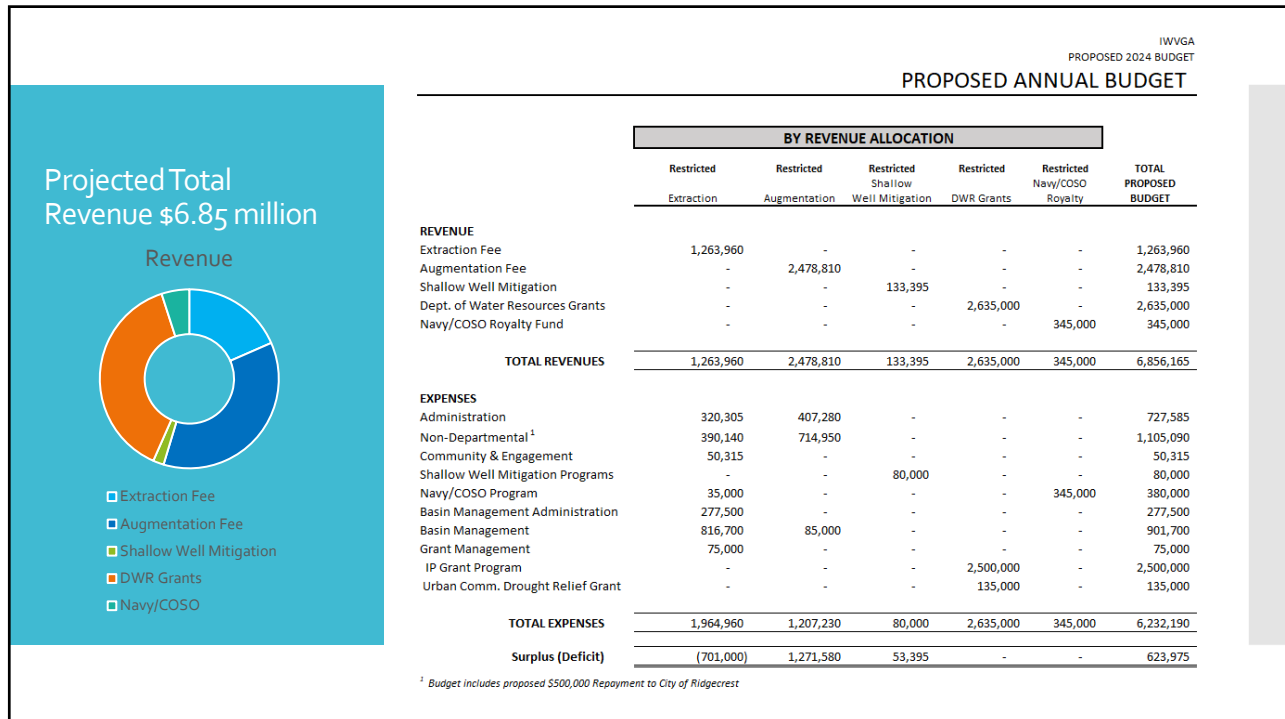
Dept. of Water Resources Grants Fund Surplus (Deficit)	-
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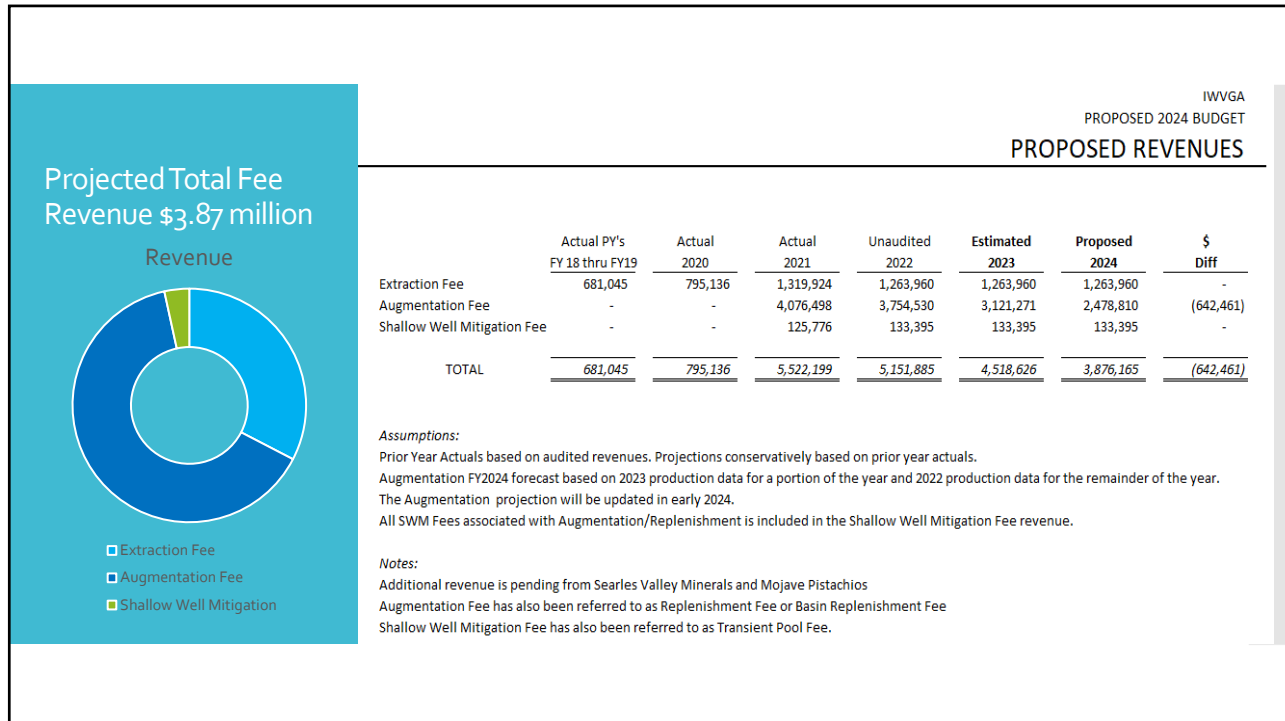


2024 Proposed Annual Budget

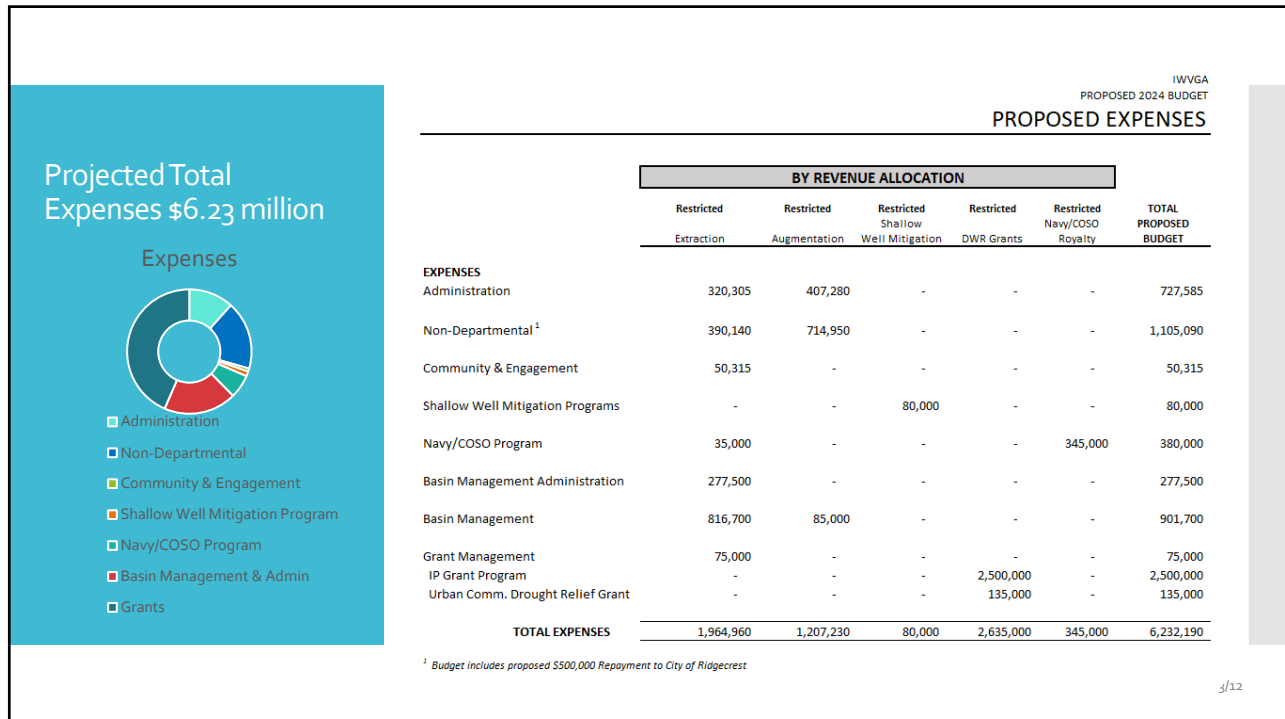
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IWVGA
PROPOSED 2024 BUDGET

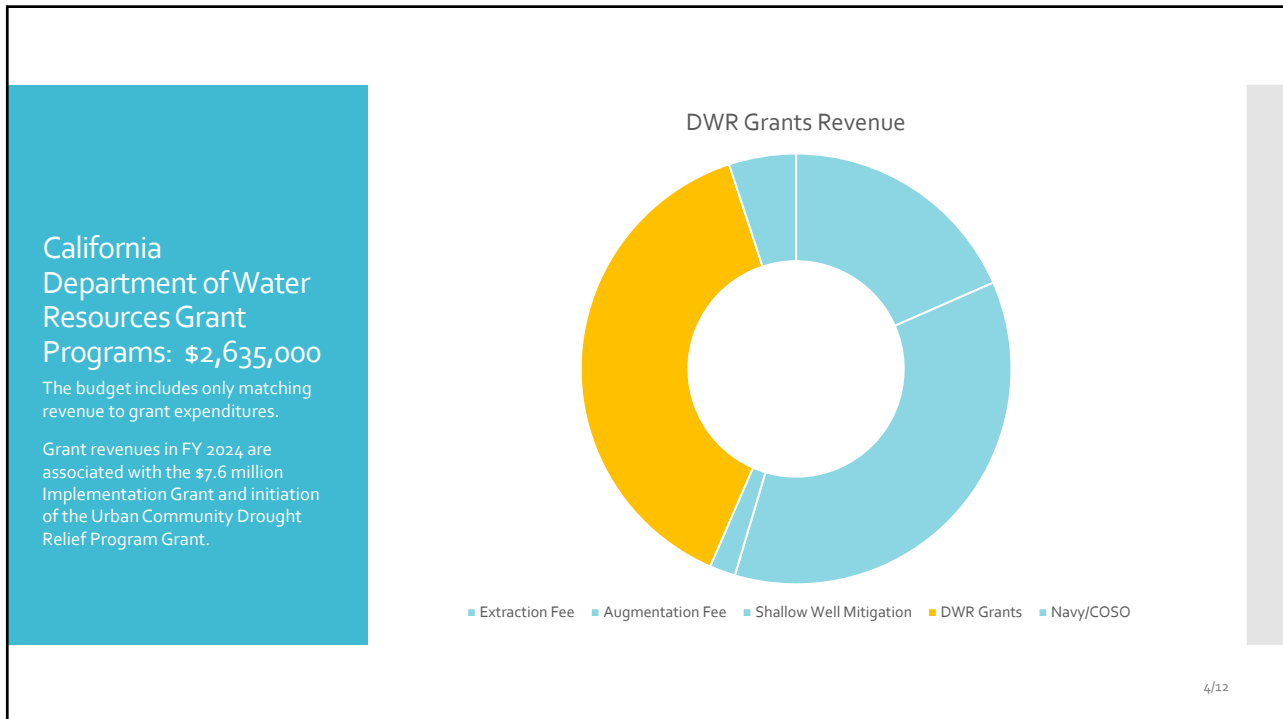
BEGINNING & ENDING BALANCES

	Beginning Balances	Revenue	Transfer In**	Transfer Out**	Expenses	Ending Balances
Extraction Fund	-	1,263,960	701,000	-	1,964,960	-
Augmentation Fund	-	2,478,810	-	701,000	1,207,230	570,580
Shallow Well Mitigation Fund	-	133,395	-	-	80,000	53,395
Dept. of Water Resources	-	2,635,000	-	-	2,635,000	-
Navy/COSO Royalty Fund	-	345,000	-	-	345,000	-
TOTAL	-	6,856,165	701,000	701,000	6,232,190	623,975

*The Extraction Fund Budget will be balanced through a loan from the Augmentation Fund.***

****The Extraction Fund is balanced with a Transfer/Loan of \$701,000 from the Augmentation Fund**

5



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IWVGA
2024 Estimated

OUTSTANDING OBLIGATIONS

	City of Ridgecrest	Augmentation Fund	Total
In-Kind Services¹			
Attorney Svcs./IT/Chambers -FY23 -YE Est	208,500	-	208,500
Attorney Svcs./IT/Chambers -FY22	241,204	-	241,204
Attorney Svcs./IT/Chambers -FY 21	325,235	-	325,235
Attorney Svcs./IT/Chambers -FY's16-20	366,982	-	366,982
Repayment in FY2023 for Prior Years	(500,000)	-	(500,000)
Repayment in FY2023 for Current Year-Budgeted Pmt	(208,500)	-	(208,500)
Inter-Fund Loans			
2024 Loan to Extraction Fund-Estimated ²	-	311,000	311,000
2023 Loan to Extraction Fund-Estimated ²	-	200,000	200,000
Repayment of Adv. Of Funds ³	-	642,200	642,200
Advance of Funds			
Financing	-	-	-
Postponed Invoice Payments	-	-	-
Total	433,421	1,153,200	1,586,621

¹ City of Ridgecrest In-Kind Services includes services associated with Extraction and Augmentation expenses.

² Estimated; FY2024 is included in proposed budget

³ IWVWD used restricted Augmentation Revenue to repay the Advance Agreement of \$500,000
Repayment of the IWVWD Advance requires a transfer from the Extraction Fund to the Augmentation Fund.

³ Kern Cnty Repymnt was \$500k but it is estimated only \$142,200 will be loaned from the Augmentation Fund

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IWVGA
2024 Estimated

PROPOSED 2024 OBLIGATION REPAYMENTS

	City of Ridgecrest	Augmentation Fund	Total
In-Kind Services			
Attorney Services/IT/Council Chambers	500,000	-	500,000
Advance Agreements			
Advance of Funds	-	-	-
Financing			
Water Purchase related Financing	-	-	-
	-	-	-

Upon repayment of Obligations, an inter-fund loan will be created between the Extraction Fund and Augmentation Fund for amount not funded by the Extraction Fund.

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IWVGA
PROPOSED 2024 BUDGET

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION						
	Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
1 REVENUE						1
2 Extraction Fee	1,263,960	-	-	-	-	1,263,960
3 Transfer In/Loan from Augmentation Fund	701,000	-	-	-	-	701,000
4 Transfer In from Grant Funds	-	-	-	-	-	-
5 Augmentation Fee	-	2,478,810	-	-	-	2,478,810
6 Transfer In/Loan Repayment from Extraction Fund	-	-	-	-	-	-
7 Shallow Well Mitigation Fee	-	-	133,395	-	-	133,395
8 Department of Water Resources (DWR) Grants-IP Grant	-	-	-	2,635,000	-	2,635,000
9 Navy/COSO Royalty Fund	-	-	-	-	345,000	345,000
10						10
11 TOTAL REVENUES	1,964,960	2,478,810	133,395	2,635,000	345,000	7,557,165
12						12
13 EXPENSES						13
14 Administration						14
15 Administration (RGS)	170,000	170,000	-	-	-	340,000
16 Office Rent (City of Ridgecrest)	1,800	1,800	-	-	-	3,600
17 Office Supplies	500	500	-	-	-	1,000
18 Postage and Delivery	180	180	-	-	-	360
19 External Audit	18,500	18,500	-	-	-	37,000
20 Council Chambers/IT Services (City of Ridgecrest)	8,500	-	-	-	-	8,500
21 General Counsel (Aleshire & Wynder/City of Ridgecrest)	92,700	216,300	-	-	-	309,000
22 Additional Legal Services (Aleshire & Wynder)	10,000	-	-	-	-	10,000
23 Additional Legal Services-Imported Water Pipeline (Aleshire & Wynder)	-	-	-	-	-	-
24 Insurance Premium (Insurica)	16,000	-	-	-	-	16,000
25 Legal Notices (Daily Independent)	2,000	-	-	-	-	2,000
26 Memberships (Cal. Assoc. Mutual Water Co)	100	-	-	-	-	100
27 Bank Service Charges	25	-	-	-	-	25

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IWVGA
PROPOSED 2024 BUDGET

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION						
	Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
28 Non-Departmental						28
29 Other Legal Services (RWG Law)	-	400,000	-	-	-	400,000
30 Lobbying Services (Capitol Core)	-	204,950	-	-	-	204,950
31 Other Professional Services	-	-	-	-	-	-
32 California State Lands Commission	140	-	-	-	-	140
33 Repayment of City of Ridgecrest In-Kind Services	390,000	110,000	-	-	-	500,000
34 Transfer Out/ Loan Repayment to Augmentation Fund	-	-	-	-	-	-
35 Transfer Out/Loan to Extraction Fund	-	701,000	-	-	-	701,000
36						36
37 Community & Engagement						37
38 Design Services	25,000	-	-	-	-	25,000
39 Printing and Reproduction	10,000	-	-	-	-	10,000
40 Website Services	15,000	-	-	-	-	15,000
41 Website (IWVWD)	315	-	-	-	-	315
42						42
43 Shallow Well Mitigation Program						43
44 Shallow Well Mitigation Emergency Assistance Program	-	-	50,000	-	-	50,000
45 Outreach and Impacts Eval.(Stetson)	-	-	30,000	-	-	30,000
46						46
47 NAVY/COSO Program						47
48 Rose Valley MW Permitting, Bid, Drilling (Stetson)	-	-	-	-	45,000	45,000
49 Rose Valley Construction	-	-	-	-	300,000	300,000
50 Navy/COSO Cooperative Agreement (Stetson)	10,000	-	-	-	-	10,000
51 Develop Projects & Secure Funding (Stetson)	25,000	-	-	-	-	25,000
52						52

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IWVGA
PROPOSED 2024 BUDGET

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION						
	Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
53 Basin Management Administration						53
54 Production Reporting, Transient Pool, and Fee Support (Stetson)	25,000	-	-	-	-	25,000 54
55 Meetings and Prep (Stetson)	160,000	-	-	-	-	160,000 55
56 Budget Support (Stetson)	7,500	-	-	-	-	7,500 56
57 Stakeholder Coordination (Stetson)	5,000	-	-	-	-	5,000 57
58 Litigation Support (Stetson)	80,000	-	-	-	-	80,000 58
59						59
60 Basin Management						60
61 General Engineering (Stetson)	50,000	-	-	-	-	50,000 61
62 TSS: General Coordination/Application Support (Stetson)	15,000	-	-	-	-	15,000 62
63 GSP 5-Year Update (Stetson)	200,000	-	-	-	-	200,000 63
64 Annual Report Preparation (Stetson)	60,000	-	-	-	-	60,000 64
65 Data Management System Support (Stetson)	30,000	-	-	-	-	30,000 65
66 Allocation Plan and Rules & Regs on Pumping/Restrictions (Stetson)	10,000	-	-	-	-	10,000 66
67 General Project Management (Stetson)	40,000	-	-	-	-	40,000 67
68 Model Transfer and Upgrade (Stetson)	220,000	-	-	-	-	220,000 68
69 Data Collection, Monitoring, and Data Gaps (Stetson)	175,000	-	-	-	-	175,000 69
70 Imported Water: Negotiations and Coordination(Stetson)	-	10,000	-	-	-	10,000 70
71 Recycled Water (Stetson)	-	75,000	-	-	-	75,000 71
72 Review of Outside Studies and Coordination (Stetson)	15,000	-	-	-	-	15,000 72
73 Well Monitoring Services (WellIntel Inc.)	1,700	-	-	-	-	1,700 73

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IWVGA
PROPOSED 2024 BUDGET

PROPOSED ANNUAL BUDGET - BALANCED

BY REVENUE ALLOCATION						
	Restricted Extraction	Restricted Augmentation	Restricted Shallow Well Mitigation	Restricted DWR Grants	Restricted Navy/COSO Royalty	TOTAL PROPOSED BUDGET
74 Grant Management						74
75 Grant Review and Application Preparation (Stetson)	75,000	-	-	-	-	75,000 75
76						76
77 IP Grant						77
78 IP Grant Administration	-	-	-	60,000	-	60,000 78
79 Imported Water: Planning/Design/Environmental (Stetson)	-	-	-	230,000	-	230,000 79
80 Imported Water: Engagement/Outread (Stetson)	-	-	-	10,000	-	10,000 80
81 Engagement /Outreach - (Provost& Pritchard)	-	-	-	2,000,000	-	2,000,000 81
82 Bureau of Land Management	-	-	-	100,000	-	100,000 82
83 Imported Water Pipeline (Transystems)	-	-	-	100,000	-	100,000 83
84						84
85 Urban Community Drought Relief Grant Program						85
86 Urban Community Drought Relief Funding Administration	-	-	-	60,000	-	60,000 86
87 Shallow Well Consolidation Project (Stetson)	-	-	-	75,000	-	75,000 87
88						88
TOTAL EXPENSES	1,964,960	1,908,230	80,000	2,635,000	345,000	6,933,190 89
89						89
90						90
91						91
Surplus (Deficit)	(0)	570,580	53,395	-	-	623,975 91

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Questions

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To: Board of Directors, Indian Wells Valley Water District

From: Capitol Core Group, Inc.

Subject: Water Recycling Plant – USBR Title XVI Feasibility Study

Introduction:

The U.S. Bureau of Reclamation (USBR) notified IWVGA on October 2, 2023, of its intent to approve the Title XVI Feasibility Study associated with the water recycling plant. This approval makes the water recycling plant project eligible for federal funding up to 25% of the total project costs.

Total cost estimates for the water recycling plant with deep injection three-stage RO is \$140,240,000.00. The return flow to the Basin is estimated to be roughly 1,573 acre-feet per year based on current effluent flow into the plant and treatment losses. Operations and maintenance costs for the plant are estimated at \$3,241,477.79 annually. This includes a four percent financial cost associated with the financing of project costs. The average unit cost is \$6,674.66/acre-foot. Utilizing a one-percent annual growth rate within the basin, the average return flow (amount of recycled water) would increase to 2,223 acre-feet, providing an average per unit cost of \$3,493.36/acre-foot over the life span of the water recycling plant. These costs are constantly incurred because the plant must remain in continual service.

The project is generally described in the Feasibility Study as tertiary treatment facilities, advanced treatment facilities, booster facilities, pipeline facilities, and injection wells. The Feasibility Study did not include funding application for secondary treatment, which was included in the City's wastewater treatment plant.

Immediate planning costs are estimated at \$5,300,000.00. Due to the application schedules at USBR, if IWVGA would like to pursue FY2024 funding for planning activities associated with the project, the Board must provide direction and a funding source by December 2023. The federal share of planning costs for the project would be \$1,325,000.00. IWVGA would be responsible for the non-federal share of \$3,975,000.00 and would need to secure the loans or bonds by June 2024. Assuming a six-month time frame to secure those loans or bonds, IWVGA and the Water District would need to begin the adoption of a fee to cover the \$3,975,000.00 plus interest in the coming weeks, as the procedure for adopting those funds will take three to six months. We can assume some overlap in the process of fee adoption and loans or bonds process, but the fees must be fully adopted months after the funding completion date.

As currently envisioned, the project anticipates the District will utilize recycled water produced by the plant. With that said, there is the potential that other Basin users may want to utilize this water, and IWVGA must consider those requests and treat them equally. Assuming other users continue to pass on

the opportunity, additional agreements for the purchase of the feedwater effluent are required to secure the allocation of the recycled water to the District. Without an agreement to purchase the effluent and associated treatment costs, IWVGA must provide that water equitably to all users in the basin. Such agreements and funding should be included in the decision to seek funding.

Ultimately, acceptance of Title XVI funding encumbers the Authority to seek (from State sources) or produce a total of \$105,180,000.00 between now and the completion of the plant. After the \$3,975,000.00 plus interest is secured next year, the GA and the Water District would need to begin the adoption of a fee to cover the remaining \$103,855,000.00 plus interest almost immediately thereafter.

The approval of the Feasibility Study by USBR provides authorization for up to three years to begin activities on the water recycling plant. Substantive modification to the design or use associated with the plant may require a re-review of the Feasibility Study.

Background:

In 2022, the Board directed staff to prepare and submit a Feasibility Study to USBR for the water recycling plant. USBR notified IWVGA of the pending approval of the Feasibility Study on October 2, 2023. Approval of the Study will open specific funding opportunities for the water recycling plant, as Authorized under the *Infrastructure Investment and Jobs Act* and appropriated by Congress in the next two fiscal years.

As a reference, the Feasibility Study process is somewhat akin to the Section 7001 process undertaken by the U.S. Army Corps in the *Water Resources Development Act* in that approved projects are reported annually to Congress. Projects reported to Congress are deemed authorized for funding pursuant to availability for the stage of the project. USBR reports are usually provided to Congress within the 2nd or 3rd Quarter of the preceding fiscal year. This means the water recycling plant would be eligible for funding in FY2025 and FY2026. *IJA* authorizations expire in FY2026, requiring provisions of Title XVI to be reauthorized by Congress in order to continue those projects contained within the current report.

About Title XVI:

Title XVI of the *Water Infrastructure Improvements for the Nation Act* [Public Law 102-575, hereafter “WIIN Act”] provides authority for Reclamation’s water recycling and reuse program, commonly referred to as “Title XVI.” USBR identifies and investigates opportunities to reclaim and reuse wastewater and impaired ground and surface water in the 17 Western States and Hawaii through the Title XVI program. Title XVI includes funding for the planning, design, and construction of water recycling and reuse projects in partnership with local government entities. Title XVI is generally included in the WaterSMART program within USBR, providing programmatic and grant funding opportunities. That is significant to IWVGA because it allows for increases in USBR budget items (known as “Plus Ups”) without triggering the legislatively-directed spending requirements.

Project Funding:

In approving the Feasibility Study, the water recycling plant has undergone the identification and investigative stages required under the WIIN Act and is therefore deemed “authorized” under the WaterSMART program. Limitations to appropriated funding through the *Energy and Water Development Act* (E&WD) are provided in the total authorized amounts for the program included within the *IJA*.

As reported to the Board at the August meeting, \$5.3 million in planning funding is initially required. This phase of the project includes the completion of engineering and design of the water recycling plant up through 60%, right-of-way permitting, and environmental permitting. Both NEPA and CEQA are required with USBR funding. The project will be subject to the *Buy America, Build America (“BABA”)* provisions contained within the *IJA*. There are no exemptions to the *BABA* requirements.

Generally, Title XVI provides a federal share totaling 25% of the project’s costs. Acceptance of the Title XVI funding will limit all other federal funding sources. The non-federal share, or IWVGA-share, of the project’s costs would be 75%, estimated at \$105,180,000 million. While Title XVI provides for a 50% cost share for Tribal Governments and disadvantaged communities, the City of Ridgecrest and Indian Wells Valley Water District jurisdictional boundaries do not qualify as a disadvantaged community under Housing and Urban Development requirements.

Immediate Project Funding Needs:

Given the project’s timeline, planning funding would be required in FY2025 and FY2026. A maximum federal share of \$1,325,000.00 may be provided to the project through WaterSMART’s Project Design Grants or through the programmatic funding provided in Environmental Water Resource Projects. Further discussion with USBR is required to determine the appropriate course of action for the project.

Project design grants are normally published through a Notice of Proposed Funding Opportunity (“NOFO”) in January, with applications due no later than March 30th.

The Board would need to determine the potential funding source for \$3,975,000.00 in required planning funding to be acquired between 2025 and 2027.

Available Federal Funding:

Section 40903 of the *IJA* (commonly referred to as the “Western Waters Provisions”) provided \$1 billion to new “small water and groundwater storage projects.” Given the ASR well requirements for the project, funding eligibility is likely contained within this section. Originally authorized in FY2022, appropriations for this Western Waters Provision have totaled over \$750 million. Given budget reductions, as required in the debt ceiling agreement, less than \$200 million remains within the authorized amounts for appropriation.

Available State Funding:

As stated during the August meeting, current State funding options have been deferred or eliminated due to California's fiscal situation. Near-term projections through the Legislative Analysts' Office (LAO) do not project fiscal security for a period of four years. Limited and future funding resources are available through the Department of Water Resources (DWR) and the State Water Resources Control Board (SWRCB). Future State funding sources would require legislative authorization in 2024.

State Budget Requests for planning activities are rarely granted.

Federal Re-Authorization for Construction:

The Western Waters Provisions of *IIJA* will expire on September 30, 2026. While the Title XVI program itself does not require reauthorization, funding authorizations for the program are needed on a five-year basis. Construction funding requirements will not be included in the current *IIJA* authorization. IWVGA will be required to seek funding authorizations in 2026 to meet construction funding needs. Construction funding through the *E&WD Act for FY2027* would also be required in 2026.

Recommended Actions:

- Provide direction concerning non-federal funding sources for \$3,975,000.00 in required planning costs associated with the project.
- Authorize staff to determine the next steps with USBR until Title XVI relative to planning funding.
- Provide direction to legislative affairs staff regarding the inclusion of needed activities within the 2024 Legislative Agenda:
 - 2024 Congressional briefings on Title XVI requests
 - USBR interaction
 - FY2025 and FY2026 appropriations under Section 40903 of *IIJA*
 - 2026 Congressional reauthorization of Title XVI funding amounts

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IWVGA

Water Recycling Plant Preliminary Cost Estimate And Funding Strategy

Points to Consider

Water Recycling Plant Cost Estimate

- Preliminary Cost Estimate to Support Funding Requests, including Title XVI Feasibility Study
- Cost Estimate between -20% to +30%
- The project will be subject to “*Buy America, Build America*” Provisions – increasing timelines and demand costs (included in cost-projections).
- Estimates provided by Stetson Engineers
- Estimates are based upon the design contained within the GSP and coordinated with the Water District

TIMELINE

Board Approval

Third-Quarter 2022, IWVGA unanimously approves the preparation of USBR Title XVI Feasibility Study based upon design required to meet *Clean Water Act* standards to meet potable reuse.

Approval

USBR notifies IWVGA staff of the pending approval of the Feasibility Study on October 2, 2023

Feasibility Study

Stetson prepares and submits a Feasibility Study in January 2023 in coordination with the Water District. The Feasibility Study requires an updated cost-estimate. Capitol Core requests expedited review by USBR Headquarters. A single revision was requested by USBR and re-submitted by Stetson (minor questions).

Next Steps

IWVGA has three years to request and begin the project under Title XVI. \$5.3 million in planning costs are needed. Title XVI allows for a 25% federal share. 75% of plant costs would need to come from the State of California or local residents.

For IWVGA to seek FY2024 funding, decisions are required in October/November to meet anticipated grant application schedules.

Cost Analysis

Water Recycling Plant Approved Feasibility Study

Total Plant Cost - \$140,240,000.00

Total Annual O&M - \$3,241,477.79

Expected Return Flow (recycled water) - 1,573 AFY

Cost per Acre-Foot - \$6,674.66

Maximum Federal Share Title XVI - \$35,060,000.00

Non-federal Share Title XVI - \$105,180,000.00

Non-federal Share Planning - \$3,975,000.00

Non-federal Share Construction - \$101,205,000.00



FOOTNOTES: Plant costs, Annual O&M, Return Flow, and Cost per Acre-Foot are based upon NPV amounts(2023 Values) and currently available effluent amounts. Total O&M assumes a 4% carrying charge for financed plant amounts. Based upon a potential annual growth of 1%, Return flows would be an average of 2,223 AFY with a cost per acre-foot of \$3,493.36 (as provided in the August 23, 2023, Staff Report.

1

Planning:

Engineering and Design to ~60%. ROW Permitting. Environmental Permitting (NEPA/CEQA) completion.

3

Advanced Treatment

Final stage treatment to meet USEPA/SWRCB standards. Two options considered: RO2 and RO3 treatment options.

2

Tertiary Treatment

Follows secondary treatment. Removes additional contaminants. Allows for environmental reuse or precursor contaminant removal for advanced treatment

4

Additional Facilities and Injection Wells

Pumping station. Ancillary piping and structures. Injection Wells

Planning Stage - \$5,300,000.00

Tertiary Treatment Plant - \$8,820,000.00

Advanced Treatment Plant - \$84,050,000.00

Other Facilities and Injection Well - \$47,370,000.00



USBR Title XVI

IWVGA Water Recycling Plant

Provides planning and construction funding equaling 25% of plant costs

Feasibility Study is somewhat akin (similar) to the
WRDA Section 7001 Process

Provides grant opportunities and programmatic funding through IJA

Subject to annual appropriations provided through the
Energy & Water Development Act



IWVGA

Required Next Steps Water Recycling Plant Title XVI

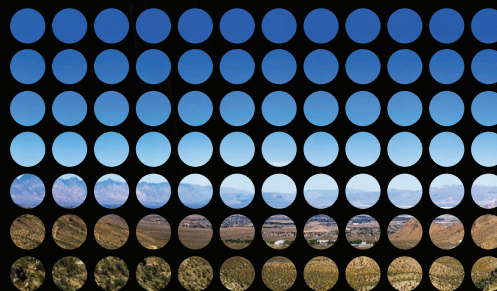
IWVGA must demonstrate an ability to cover non-federal
share costs prior to a funding agreement with USBR

Direction needed to seek FY2024/FY2025 Title XVI funding.

Purchase Agreement needed for City Effluent (wastewater)

Allocation agreement for recycled water

Substantive changes in the plant's design or water's use
may subject the project to rereview by USBR.





Questions

Water Recycling Plant

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IWVGA ADMINISTRATIVE OFFICE

Memorandum

TO: IWVGA Board Members **DATE:** October 11, 2023

FROM: IWVGA Staff

SUBJECT: Agenda Item 11 – Permanent Transfer of Transient Pool Allotment

BACKGROUND

At the January 21, 2021 IWVGA Regular Board Meeting, the Authority approved Resolution 01-21 Revising the Transient Pool and Fallowing Program. The revision to the Transient Pool Program provided Transient Pool members one of three choices:

- 1) Reject the Transient Pool allotment and continue pumping in accordance with the Basin Replenishment Fee and any other applicable fees; or,
- 2) Accept the Transient Pool allotment and the associated mitigation fee; or,
- 3) Accept the Transient Pool allotment and negotiate a sell of their allotment to the Groundwater authority through the Fallowing Program.

Resolution 05-21 also acknowledges the allowance of a transfer of Transient Pool Water to other parties under certain circumstances.

DISCUSSION

On September 18, 2023, IWVGA staff received a Permanent Transfer Form for Amber Glow Ranch in the amount of 224 acre feet (AF). The Ranch has been sold and the 224 AF will transfer to the new property owners. Amber Glow Ranch agriculture operations have continued since entering the Transient Pool and have used a total of 102 AF of the original allotment of 327 AF. IWVGA staff will make contact with the new owners to obtain updated well registration documents and discuss the monthly reporting and payments required of them as a member of the Transient Pool.

No Board action required.

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INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

PERMANENT TRANSFER OF TRANSIENT POOL ALLOTMENT

For a valuable consideration, receipt of which is hereby acknowledged, PATRICIA L. DAVIS trustee, ("Transferer") does hereby assign and transfer to INYOKERN MATH GENIUS TRUST, ("Transferee") all rights to the quantity of 224 acre-feet of the Transient Pool Allotment to Transferee or their predecessor, as described in the Amended Transient Pool and Fallowing Program, dated January 21, 2021, and as adopted by the Indian Wells Valley Groundwater Authority by Resolution No. 01-21. Transferee's Transient Pool Acceptance Agreement, fully executed, must be attached.

DATED: 9/12/2023

TRANSFERER

Patricia L Davis, trustee

DocuSigned by:
Patricia L Davis, trustee
2255200B600C46A
(Signature)

Name of Designee (of Transferer) to receive service of Processes and Notices:

Address

Telephone No.: _____

TRANSFEEE

Anthony Reed, Trustee

INYOKERN MATH GENIUS TRUST

BM-SIGNED
Anthony Reed
2255200B600C46A
(Signature) Sep 14, 2023

Name of Designee (of Transferee) to receive of Processes and Notices:

Anthony Reed, Trustee

Address

Telephone No.: _____

To be executed by both Transferer and Transferee and, if separately requested by the Authority be accompanied by a map of the service area where the water was extracted by the Transferee and a map of the service area where the water is intended to be used by the Transferer.

ALL TRANSIENT POOL WATER MUST BE USED BY JANUARY 1, 2040, OR IT IS LOST.

A TRUE COPY HEREOF MUST BE FILED WITH THE AUTHORITY AT LEAST 30 DAYS BEFORE BEING EFFECTIVE.

In accordance with the Amended Transient Pool and Fallowing Program, dated July 21, 2021, the Transient Pool Allocations are as follows:

<u>Qualified Base Period Agricultural Pumper</u>	<u>Transient Pool Allocation (AF)</u>
Meadowbrook Farms	37,781
Quist Farms	4,085
Sierra Shadows	5,447
Simmons Farms	3,622
Amberglow	327
Terese Farms	2,179
Hickle	588
<i>Total Transient Pool Allocation</i>	<i>51,000</i>

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Transferer and Transferee as part of the transfer.)

\\server3\Data\Jobs\2652 IWVGA\Permanent Transfer of Transient Pool Allotment\IWVGA Permanent Transfer of Transient Pool Allotment_020121.docx

FW: Transient Pool

From: Carol Thomas-Keefer (cthomaskeefer@rgs.ca.gov)

To: [REDACTED]

Date: Monday, May 8, 2023 at 02:47 PM PDT

Hi Michelle,

Here is a link to a transfer form to submit to the Indian Wells Valley Groundwater Authority to have a transfer of Transient Pool pumping allotment transferred to another party. I'm also attaching the staff report that we prepared for our Board of Directors to acknowledge a previous transfer. That is just an FYI for you – nothing for you to prepare; however, we don't consider the transfer complete until our Board has acknowledged it at public meeting.

Please let me know if you have any questions.

Here is the link to the transfer form: [IWVGA+Permanent+Transfer+of+Transient+Pool+Allotment_020121.pdf \(squarespace.com\)](#)

Carol

Carol Thomas-Keefer
Advisor
Regional Government Services
cthomaskeefer@rgs.ca.gov
(650) 587-7300 X 17



Transfer of TP Allotment_Staff Report.docx
56.4kB

[REDACTED]

Subject: FW: [REDACTED] - POOL ALLOTMENT

From: Carol Thomas-Keefer <cthomaskeeper@rgs.ca.gov>
Sent: Tuesday, September 12, 2023 2:43 PM
To: [REDACTED]
Cc: April Keigwin <akeigwin@rgs.ca.gov>
Subject: RE: [REDACTED] - POOL ALLOTMENT

Hi Clint,

Sorry for the delay. The Transient Pool allotment for Ms. Davis's property is **224** acre-feet as of August 10, 2023 (the date of the last monthly reporting and billing). Please keep in mind that the number will decrease monthly based on water use, but this figure is based on the most recent reports received.

Please let me know if you have any questions.

Carol

Carol Thomas-Keefer
Agency Executive
Regional Government Services
cthomaskeeper@rgs.ca.gov
(650) 587-7300 x17



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IWVGA ADMINISTRATIVE OFFICE

STAFF REPORT

TO: IWVGA Board Members **DATE:** October 11, 2023

FROM: IWVGA Staff

SUBJECT: **Agenda Item 12 – Approval of Payment to Union Pacific Railroad for Trenchless Crossings**

BACKGROUND

Union Pacific Railroad (UPRR) requires an application and application fee for review and approval of the Imported Water Pipeline crossing of UPRR right of way.

On February 28, 2023, the Indian Wells Valley Groundwater Authority (IWVGA) executed a Contract Services Agreement (CSA) with Provost and Pritchard Consulting Group (P&P) for design services for the Imported Water Pipeline Project. A Sustainable Groundwater Management Act (SGMA) Implementation Grant through the California Department of Water Resources is providing \$7.6 million for planning and design-level activities, including design services, for the Imported Water Pipeline Project, which will bring imported water supplies into the Indian Wells Valley Groundwater Basin through an imported water connection from Antelope Valley – East Kern Water Agency’s (AVEK) California City pipeline to the Indian Wells Valley Water District water system.

DISCUSSION

The Imported Water Project includes approximately 50.3 miles of pipeline, three pump stations, two forebay tanks, and a regulating tank. Trenchless pipe installation is required at multiple locations along the alignment and crossings must comply with the requirements of the associated jurisdictional agency or property owner. P&P’s Scope of work includes working with UPRR to obtain approvals for a trenchless crossing of UPRR right-of-way at Neuralia Road and Cantil Road, approximately 3.4 miles northeast of Searles Station Road and approximately 0.4 miles northwest of the UPRR train yard. UPRR requires the IWVGA to submit an application for an agreement for the trenchless crossing at this intersection, which also requires an application fee of \$755.00.

The UPRR trenchless crossing application with the application fee is included in your Board Packet for your review.

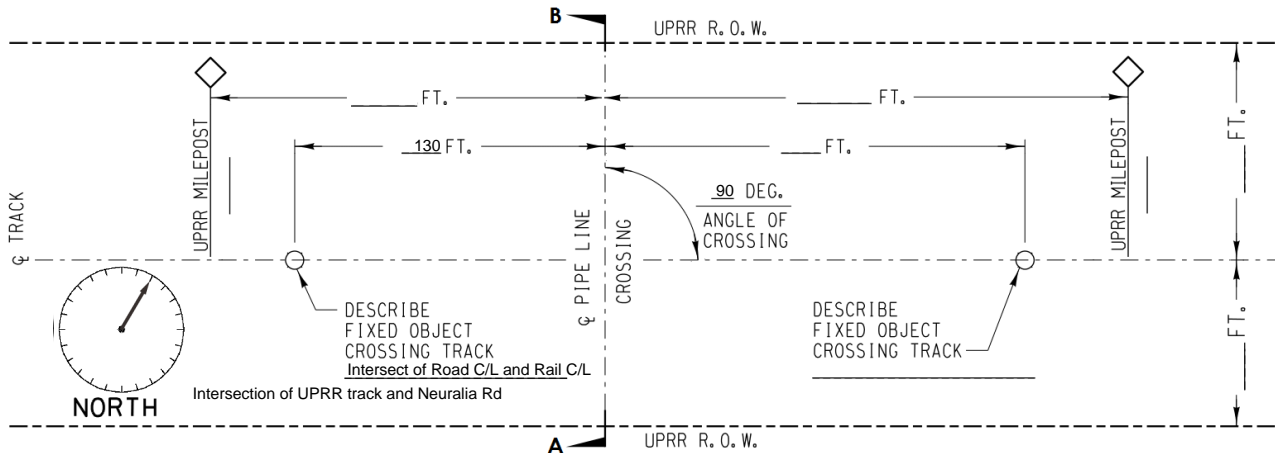
RECOMMENDED ACTION

Staff recommends the Board approve submission of the application and payment of application fee to Union Pacific Railroad for the trenchless crossing at Neuralia Road and Cantil Road in the amount of \$755.00.

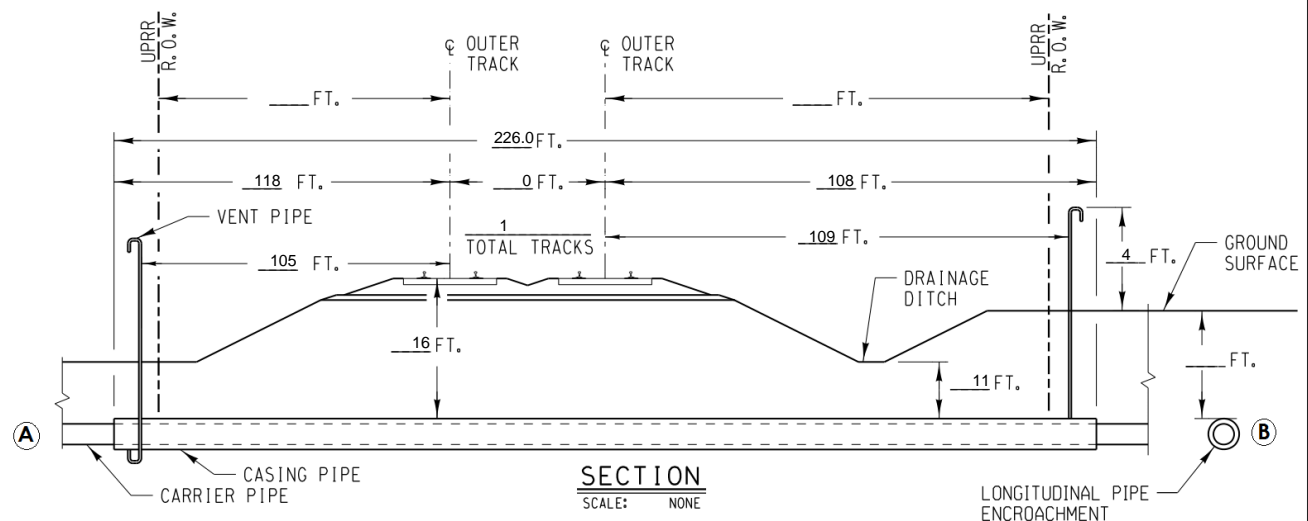
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NON-FLAMMABLE LIQUID PIPELINE

- CROSSING
- ENCROACHMENT
- BOTH



PLAN
SCALE: NONE



SECTION
SCALE: NONE

- NOTES:
 1) ALL DIMENSIONS MEASURED PERPENDICULAR TO THE CENTERLINE OF TRACK
 2) REFER TO AREMA VOLUME 1. CHAPTER 1. PART 5. SECTION 5.1

- A) METHOD OF INSTALLATION BORED AND JACKED
- B) DIST. FROM CENTERLINE OF TRACK TO PIPE ENCROACHMENT _____
- C) SIGNS PROVIDED? AT MINIMUM SIGNS WILL BE PROVIDED AS STATED ABOVE
- D) CARRIER MATERIAL PLASTIC. IF RCP, CLASS V? YES.
 COMMODITY TO BE CONVEYED POTABLE DOMESTIC WATER
 OPERATIONAL PRESSURE 235 PSI. MAOP 235 PSI.
 WALL THICKNESS (INCH)/ SCHEDULE 18. DIAMETER 24 IN.
 CATHODIC/COATING PROTECTION NO
- E) CASING MATERIAL STEEL PIPE. IF RCP, CLASS V? NA.
 TOTAL LENGTH CASING PIPE: 226 FT.
 WALL THICKNESS 0.5625 IN. DIAMETER 36 IN.
 CATHODIC/COATING PROTECTION YES
 CASING PIPE IS SEALED AT THE ENDS.
- F) DISTANCE FROM CENTERLINE OF TRACK TO NEAR FACE OF BORING AND JACKING PITS WHEN MEASURED AT RIGHT ANGLES
118 AND 108.



BUILDING AMERICA®

EXHIBIT "A"

SUBDIVISION:	
TRACK TYPE: MAINLINE TRACK	
M.P.:	LAT.: 35.29833333
E.S.M.:	LONG.: -117.98527778
NEAREST CITY: MOJAVE	COUNTY: KERN
	STATE: CA
APPLICANT: INDIAN WELLS VALLEY GROUNDWATER AUTHORITY	
FILE NO.: 0792645	DATE: 09/07/2023

Exact name of corporation INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
to be shown on document :

State of Incorporation : CA

Address of Licensee

Contact Name : Carol Thomas Keefer

Contact Phone : 650-587-7300

Address 1: 100 W. California Ave

Address 2:

City : Ridgecrest

State, Zip : CA,93555

Address to whom the agreement is to be mailed

Name : Adam Ojeda

Address 1 : 1800 30th Street

Address 2 : Suite 280

City : Bakersfield

State, Zip : CA,93301

Billing Address

Address 1: 100 W. California Ave

Address 2:

City : Ridgecrest

State, Zip : CA,93555

Contact Information

Contact during the permitting process

Name : ADAM OJEDA

Phone : 661-616-5900

Email : AOJEDA@PPENG.COM

Contact after Construction

Name : CAROL THOMASKEEFER

Phone : 650-587-7300

Email : CTHOMASKEEFER@RGS.CA.GOV

Location Information

Latitude, Longitude: 35.29833333, -117.98527778

Nearest City MOJAVE

/Station:

State: CA

Do you have eminent No
domain authority?

Permanent or Temporary Permanent
Installation?

If Temporary, then From: To:
Estimated Term Date :

Type of Installation: NEW - Underground Pipeline

Do you have an existing No
agreement at this location?

Additional Information: Installation will be via a jack and bore methodology with bore and receiving pits outside of UPRR ROW.

Waivers:

The maximum allowable operating pressure may not exceed 100 psi for plastic carrier pipe when no option is selected on selection of encased question. Provide exhaustive explanation for your requested variance.

The plastic pipe is rated for pressures up to 235 psi, but the anticipated operational pressure is approximately 140 psi. It is not believed that a waiver is necessary because the prompt for the question states that pressures in excess of 100psi are not allowed if there is no encasement. In this case, there is encasement, and it is not believed that a waiver is necessary.

Carrier: Provide an explanation for not providing cathodic protection or protective coating.

test

Payment Information

Application Fee (Crossing):	\$755.00
Total:	\$755.00
Payment Mode:	Check

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IWVGA ADMINISTRATIVE OFFICE

STAFF REPORT

TO: IWVGA Board Members

DATE: October 11, 2023

FROM: IWVGA Staff

SUBJECT: Agenda Item 13 – GSP 5-Year Update

BACKGROUND

The Indian Wells Valley Groundwater Sustainability Plan (GSP) was submitted to the California Department of Water Resources (DWR) in January 2020. DWR approved the GSP on January 13, 2022 and provided seven Recommended Corrective Actions (RCAs) to be addressed in the next update of the GSP. The GSP provides the framework and path to achieve sustainability in the Indian Wells Valley by no later than 2040. According to 23 California Code of Regulations (CCR) § 356.4, DWR requires Groundwater Sustainability Agencies, such as the Indian Wells Valley Groundwater Authority (IWVGA), to evaluate GSPs at least every 5 years and provide a written assessment to DWR. This written assessment is also called the GSP 5-Year Update. The Indian Wells Valley GSP 5-Year Update is to be submitted to DWR no later than January 31, 2025.

DISCUSSION

The Water Resources Manager (WRM) has begun the preparation of the GSP-5 Year Update, with many tasks currently underway. The GSP-5 Year Update will be prepared as a standalone document following the same general outline as the 2020 GSP. The RCAs provided by DWR will be addressed in the applicable GSP sections.

In accordance with 23 CCR § 356.4, the GSP 5-Year Update will include, among other items, the following:

- Reevaluation of the basin setting, management areas, undesirable results, and sustainable management criteria
- Description of the implementation of any projects or management actions
- Description of the monitoring network and data gaps
- Description of significant new information that has been made available since Plan adoption or amendment

Additionally, potential projects not included in the 2020 GSP will be evaluated and considered for inclusion in the GSP 5-Year Update.

A draft schedule showing key topics and dates is provided in the table below.

Key Topic	Draft Schedule
Draft Intro Chapter	1/31/2024
Draft Plan Area Chapter	2/29/2024
Draft Basin Setting Chapter	4/30/2024
Draft Sustainable Management Criteria Chapter	3/30/2024
Draft Projects and Management Actions Chapter	3/30/2024
Draft Plan Implementation Chapter	4/30/2024
Compiled Review Draft	8/25/2024
Final Draft GSP Update	11/29/2024
Final Board Approval	12/11/2024
Submittal to DWR	1/31/2025

Public input and coordination will be critical during the development of the GSP 5-Year Update. The WRM will provide the Technical Advisory Committee with technical items for their review and will make periodic presentations to the Policy Advisory Committee and public on the status, progress, and key issues of the GSP 5-Year Update. In addition, presentations will be made to the Board as requested and as necessary.

RECOMMENDED ACTION

There are no recommended actions for the Board.


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IWVGA Board Meeting
October 11, 2023

GSP 5-Year Update

AGENDA ITEM 13

1



1

Contents

- Background
- Requirements
- Format/Organization
- Key Dates
- Coordination
- Next Steps

AGENDA ITEM 13

2




2

Background

- IWV GSP Submitted to DWR in January 2020
- DWR approved the GSP on January 13, 2022
 - DWR provided seven Recommended Corrective Actions (RCAs) to include in the next update of the GSP
- GSP provides the framework and path to achieve sustainability in the Indian Wells Valley by no later than 2040
 - Sustainability achieved through the implementation of Projects and Management Actions to reduce overdraft and eliminate undesirable results

AGENDA ITEM 13




3

3

GSP 5-Year Update Requirements

- According to 23 California Code of Regulations (CCR) § 356.4, DWR requires GSAs to evaluate GSPs at least every 5 years and provide a written assessment to DWR.
- In general, the assessment “shall describe whether the Plan implementation, including implementation of projects and management actions, are meeting the sustainability goal in the basin...”
- DWR has not published a guidance document regarding the periodic assessments

AGENDA ITEM 13



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Summary of GSP 5-Year Update Requirements

- 23 CCR § 356.4 requires the assessment to include the following elements:
 - Reevaluation of the basin setting, management areas, undesirable results, and sustainable management criteria
 - Description of the implementation of any projects or management actions
 - Description of the monitoring network and data gaps
 - Description of significant new information that has been made available since Plan adoption or amendment
- Note: this list is not exhaustive of required updates

AGENDA ITEM 13

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Format/Organization

- The GSP 5-Year Update is prepared as a standalone document
- Generally follows the same outline as the original GSP with updated sections as necessary
- Addresses the RCAs applicable to each section
- Evaluates approved projects and management actions in addition to potential projects under consideration
 - e.g. brackish water, direct injection, LADWP releases, etc.

AGENDA ITEM 13

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Key Dates

Key Topic	Draft Schedule
Draft Intro Chapter	1/31/2024
Draft Plan Area Chapter	2/29/2024
Draft Basin Setting Chapter	4/30/2024
Draft Sustainable Management Criteria Chapter	3/30/2024
Draft Projects and Management Actions Chapter	3/30/2024
Draft Plan Implementation Chapter	4/30/2024
Compiled Review Draft	8/25/2024
Final Draft GSP Update	11/29/2024
Final Board Approval	12/11/2024
Submittal to DWR	1/31/2025

AGENDA ITEM 13

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Coordination

- Periodic PAC/Public presentations on status, progress, and key issues
- TAC review of technical items as completed (released prior to finalization of full chapter)
- Board presentations as requested/necessary
- Draft Chapters, Tech Memos, and draft compiled plan will be posted on the IWVGA website
- Public input on projects and management actions is always encouraged

AGENDA ITEM 13

8



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Next Steps

- Current Tasks Underway
 - Model calibration and historical model runs
 - Review and reevaluation of representative monitoring sites
 - Review of Projects and Management Actions
 - Evaluation of management areas
 - El Paso Technical Memorandum in TAC review
 - Evaluation of adjacent basins
 - Rose Valley Technical Memorandum in TAC review

AGENDA ITEM 13

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IWVGA ADMINISTRATIVE OFFICE
STAFF REPORT

TO: IWVGA Board Members **DATE: October 11, 2023**
FROM: IWVGA Water Resources Manager
SUBJECT: AGENDA ITEM 14 – WATER RESOURCES MANAGER’S REPORT

Presented below are brief updates on the status of grant funding, GSP Implementation Projects and Management Actions, and Miscellaneous Items.

AGENDA ITEM 14a – GRANT FUNDING UPDATE

Proposition 1 Update

- Invoice #15a
 - Covers April 2022 through June 2022
 - Total requested payment after retention: **\$17,532.41**
 - Status: Approved, awaiting payment
- Invoice #16a
 - Covers July 2022 through September 2022
 - Total requested payment after retention: **\$21,049.59**
 - Status: Under DWR review – revisions submitted to DWR.
- Invoice #17a:
 - Covers October 2022 through December 2022
 - Total requested payment after retention: **\$7,817.63**
 - Status: Under DWR review – revisions submitted to DWR.

Proposition 68 Update

- Invoice #16b
 - Covers July 2022 through September 2022
 - Total requested payment after retention: **\$6,380.65**
 - Status: Approved, awaiting payment
- Invoice 17b:
 - Covers October 2022 through December 2022
 - Total requested payment after retention: **\$3,062.50**
 - Status: Approved, awaiting payment

Proposition 1/68 Grant Closeout

- Retention invoices for Proposition 1 and Prop 68 in the amount of \$187,678.87 and

\$32,941.39, respectively, were submitted to DWR on February 28, 2023. The Proposition 1 retention invoice was revised on May 18 per DWR's request.

SGMA Implementation Round 1 Update

- Invoice #2
 - Covers October 2022 through December 2022
 - Total requested payment: **\$ 332,985.58**
 - Status: Minor revisions requested by DWR.
- Invoice #3
 - Covers January 2023 through March 2023
 - Total requested payment: **\$435,887.19**
 - Status: Under DWR review
- Invoice #4
 - Covers April 2023 to June 2023
 - Total requested payment: **\$1,062,552.46**
 - Status: Under DWR review

AGENDA ITEM 14b – GSP IMPLEMENTATION PROJECTS / MANAGEMENT ACTIONS UPDATE

Imported Water Project

- Imported Water Pipeline Design Services
 - Coordination Meetings:
 - September 11 and September 25: Bi-weekly with Staff, Environmental and Right-of-Way Consultants
 - Bi-weekly meetings with BLM
 - Pending BLM review of resubmitted SF-299 Application
 - Coordinating Plan of Design as part of their process to meet their land use goals defined in the BLM's Desert Renewable Energy Conservation Plan
 - Ongoing coordination with State Water Resources Control Board Division of Drinking Water (DDW), Caltrans, United Pacific Rail Road, and Southern California Edison (SCE)
 - Coordinating SCE Method of Survey Study Agreement pending Board's approval of Advanced Engineering Fee
 - Coordinating an Encroachment Agreement with SCE for crossing all lines 33 Kilovolt (kV) and less.
 - Board approved Consent Request to cross under the 200 kilovolt (kV) and 115 kV transmission lines east of the Redrock-Randsburg Road and Garlock Road intersection at August meeting
 - Pending receipt of United States Army Corps of Engineers (USACE) and State Water Resources Control Board (SWRCB) waiver letters
 - Drafting California Department of Fish and Wildlife Lake and Streambed Alternation Agreement (LSA)

- Coordinating cultural monitoring by the Kern Community Tribe during geotechnical surveys
- Continue finalizing the draft Wildlife Survey Report and Rare Plant Survey
- Continue finalizing the draft Biological Evaluation/Biological Assessment and Energy Impact Assessment Technical Studies per comments received from BLM
- Staff is reviewing the Noise & Groundborne Vibration Impact Analysis and Air Quality & Greenhouse Gas Impact Analysis Technical Studies
 - Received 29 comments from the Scoping Meeting held at the City of Ridgecrest on August 23 and City of California City on August 24 through the end of the comment period on September 20
- Staff is drafting a Notice to Proceed pursuant to Change Order 1 which was approved by the Board at the September meeting
- Next Steps:
 - Begin geotechnical and biological monitoring on BLM lands
 - Finalize draft Alternatives Analysis, Environmental Impact Report, and BLM Environmental Assessment
 - Next Milestones:
 - Finalize NEPA compliance for geotechnical borings and environmental surveys/ studies within BLM property
 - Conduct technical analyses/ Special Studies within BLM land by November 2023
- Imported Water Pipeline Right-of-Way Services
 - Coordination Meetings:
 - September 11 and September 25: Bi-weekly coordination meetings with Staff, Design and Environmental Consultants
 - Obtained 50 Right-of-Entry agreements from property owners for 48 parcels along the alignment to allow performance of biological/technical studies and geotechnical borings
 - Coordinating with California Fish and Wildlife regarding County Right of Way
 - Staff is drafting a Notice to Proceed pursuant to Change Order 1 which was approved by the Board at the September meeting
 - Next Steps:
 - Continue obtaining Rights of Entry from property owners along the pipeline alignment to allow performance of biological/technical studies and geotechnical borings
 - Next Milestone:
 - Provide a Right of Way Acquisition Plan by June 2024
- Submittals to DWR
 - Submit final Preliminary Design Report due November 1, 2023
 - Documentation of Research due January 1, 2024
- US Army Corps of Engineers Planning Assistance to States (PAS) Program
 - Staff provided an updated proposed list of project scope, tasks, and deliverables for Army Corps review
 - Met with to finalize project scope
 - Next Steps:

- Execute an agreement with Army Corps by January 2024

AGENDA ITEM 14c – MISCELLANEOUS ITEMS

Data Collection and Monitoring

- September 9-11 Global Navigation Satellite System survey of 9 groundwater monitoring wells in the El Paso and Little Lake areas, installation of repaired telemetry equipment in Key Well (George Air Corridor), and maintenance on stream gages and Chimney Peak weather station.
- October 14-20 Fall 2023 bi-annual basin-wide groundwater level measurements and datalogger downloads.
Annual water quality sampling of 19 groundwater monitoring wells and 3 domestic wells.

GSP Model Configuration Management Plan (CMP)

- Continued discussions with DRI and WRM regarding model updates
- Bi-weekly discussions regarding model development
- Technical Management Group meeting to discuss 1) cross sections and tectonic block model, (2) historical calibration pumping, (3) review of additional configuration items and (4) timeline and responsibilities.

CMP Timeline

- 2023: Development of historical and baseline data assumptions using reported pumping
September - planned review of model revisions and calibration
End of Year - Model Sensitivity/Uncertainty, and Baseline for 5-Year GSP Report
- 2024: Modeling Scenarios for 5-Year GSP Report

LADWP Emergency Releases (September 1st through October 2nd)

El Paso Subarea:

Freeman Gates	1,868 AF	September 1 to September 25
Sage Canyon	357 AF	September 1 to September 27
<hr/>		
Total Indian Wells Valley Basin:	2,225 AF	

ACTION(S) REQUIRED BY THE BOARD

There are no actions required by the Board.

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To: Carol Thomas-Keefer, General Manager Indian Wells Valley Groundwater Authority

From: Jeff Simonetti, SVP Capitol Core Group

cc: Steve Johnson, Stetson Engineers
Michael W. McKinney, President Capitol Core Group
Todd Tatum, SCA Capitol Core Group

Date: October 11, 2023

Subject: Project Update Memorandum – September 2023 Activities

The following will provide activities and updates for the month of September 2023.

Task 1: Imported Water Supplies

Subtask B:

Capitol Core continued to work with P&P to secure right-of-way permits from federal agencies. In addition, we continue to support Authority staff with AVEK on matters related to the Interconnection Pipeline Project.

Subtask D:

Capitol Core continued discussions with potential water suppliers regarding imported water supplies. We also had further discussions with our proposed transfer partners, and conducted meetings in coordination with IWVGA's engineering consultants on these matters. Capitol Core has sought Board direction on continued discussion.

Task 2: Interconnection Pipeline Project

Updated Report – *Water Resources Development Act of 2024*

Capitol Core has prepared and submitted an application/request to the Office of Senator Dianne Feinstein and the Office of Senator Alex Padilla. Capitol Core answered questions from these offices concerning the application/request on the eve of Senator Feinstein's death. The requests remain pending.

Task 3: Water Recycling Plant

Action Item/Updated Report – USBR Title XVI Feasibility Study

See separate agenda item.

Task 4: Wastewater Treatment Plant

No project updates.

Task 5: Other Projects Supporting the GSP

OTHER FEDERAL LEGISLATIVE UPDATES:

Death of Senator Feinstein: Capitol Core has expressed its written condolences to the staff of Senator Dianne Feinstein, who passed away on September 29, 2023.

Senator Laphonza Butler (D-CA): Governor Newsom has appointed Ms. Butler to the United States Senate on October 1, 2023. She was sworn into office on October 4, 2023, and a transition period has begun. Out of respect for the late-Senator Feinstein's staff and the transition to office, Capitol Core has not reached out on business items related to the Authority.

Representative Kevin McCarthy: On October 3, 2023, Representative Kevin McCarthy was vacated from his position as Speaker of the House of Representatives. Capitol Core strongly disagrees with the actions by Members of the House which led to this vote. Out of respect for the transition of the Speakership (to the Speaker Pro Tempore), we have briefly ceased public policy discussions with Representative McCarthy and his office.

STATE LEGISLATIVE UPDATES:

Updated Report – AB 779 (Wilson): Groundwater Adjudications

AB 779 passed the Senate by a vote of 28-8-4 on September 12th. The bill then went back to the Assembly for concurrence in Senate amendments. The Assembly agreed to the concurrence of these amendments by a vote of 59-16-5 on September 13th. The bill was presented to the Governor on September 20th. The Governor has three options, the first two of which would result in the bill becoming law:

- 1) Sign the bill within 30 days of its passage
- 2) If he takes no action (meaning he neither vetoes nor signs it), the bill becomes law by inaction after 30 days of passage
- 3) Veto the bill

As of the writing of this monthly update, the Governor has taken no action on the bill. Capitol Core will keep the Authority apprised of its progress.

Task 6: Project Administration

New – Milestone Reports: 2024/119th Congressional Session and 2025-2026 California Session (Legislative Agenda)

In September, Capitol Core developed a draft Legislative Agenda for IWVGA covering 2024 activities as well as forward activities during the 119th Congressional Session and 2025-2026 California Session. IWVGA is reviewing the document, and will be provided for Board approval at a future date.

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INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
 2023 Budget Report
 January 2023 - September 2023

Project Budget \$ 174,000.00
 Project Hours Estimated 691.00

PROJECT TOTAL BY INVOICE

Invoice Period	Invoice Number	Invoice Date	Invoice Amount	Remaining Budget Amount	Hours Invoiced	Remaining Hours Budgeted
Jan-23	2023-006	2/1/2023	\$13,731.25			
February-23	2023-011	3/1/2023	\$13,831.25			
Mar-23	2023-013	4/3/2023	\$23,831.25			
1st Quarter Totals			\$51,393.75	\$ 122,606.25	197.75	493.25
Apr-23	2023-021	5/1/2023	\$15,981.25			
May-23	2023-026	6/1/2023	\$15,950.00			
Jun-23	2023-030	7/3/2023	\$21,937.50			
2nd Quarter Totals			\$ 53,868.75	\$ 68,737.50	205.00	288.25
Jul-23	2023-038	8/1/2023	\$15,025.00			
Aug-23	2023-043	9/5/2023	\$13,831.25			
Sep-23	2023-050	10/5/2023	\$16,850.00			
3rd Quarter Totals			\$ 45,706.25	\$ 23,031.25	172.00	116.25
Oct-23						
Nov-23						
Dec-23						
4th Quarter Totals			0			
Project Totals			\$150,968.75		574.75	

DETAIL BY TASK

Task Number	Invoice Number	Invoice to Task	Hours Charged	Task Budget	Remaining Budget
Task 1					
Imported Water Supplies				\$ 64,225.00	
	2023-006	\$5,643.75	21.25		
	2023-011	\$2,925.00	11		
	2023-013	\$5,150.00	19.5		
1st Quarter		\$13,718.75	51.75		\$ 50,506.25
	2023-021	\$4,200.00	16		
	2023-026	\$5,950.00	22.5		
	2023-030	\$4,137.50	15.5		
2nd Quarter		\$14,287.50	54		\$ 36,218.75
	2023-038	\$2,175.00	8		
	2023-043	\$3,050.00	11.5		
	2023-050	\$5,050.00	19		
3rd Quarter		\$10,275.00	38.5		\$ 25,943.75
	October				
	November				
	December				
4th Quarter		\$0.00	0		
Total Task 1:		\$38,281.25	144.25		
Task 2:					
Interconnection				\$ 20,800.00	
	2023-006	\$2,568.75	9.5		
	2023-011	\$1,662.50	6.25		
	2023-013	\$6,056.25	24.75		
1st Quarter		\$10,287.50	40.5		\$ 10,512.50
	2023-021	\$687.50	2.5		
	2023-026	\$1,381.25	5.25		
	2023-030	\$962.50	3.5		
2nd Quarter		\$3,031.25	11.25		\$ 7,481.25
	2023-038	\$1,100.00	4		
	2023-043	\$1,462.50	5.5		
	2023-050	\$4,775.00	17.75		
3rd Quarter		\$7,337.50	27.25		\$ 143.75
	October				
	November				
	December				
4th Quarter		\$0.00	0		
Total Task 2		\$20,656.25	79		

Task 3:

Water Recycling

\$ 17,400.00

2023-006	\$650.00	2.5	
2023-011	\$1,662.50	6.5	
2023-013	\$1,325.00	5	
1st Quarter	\$3,637.50	14	\$ 13,762.50
2023-021	\$0.00	0	
2023-026	\$0.00	0	
2023-030	\$2,175.00	8	
2nd Quarter	\$2,175.00	8	\$ 11,587.50
2023-038	\$687.50	2.5	
2023-043	\$1,131.25	4.25	
2023-050	\$0.00	0	
3rd Quarter	\$1,818.75	6.75	\$ 9,768.75
October			
November			
December			
4th Quarter	\$0.00	0	
Total Task 3:	\$7,631.25	28.75	

Task 4:

Wastewater Treatment

\$ 11,050.00

2023-006	\$1,350.00	5	
2023-011	\$2,537.50	10	
2023-013	\$3,356.25	13.75	
1st Quarter	\$7,243.75	28.75	\$ 3,806.25
2023-021	\$593.75	2.25	
2023-026	\$0.00	0	
2023-030	\$0.00	0	
2nd Quarter	\$593.75	2.25	\$ 3,212.50
2023-038	\$650.00	2.5	
2023-043	\$712.50	2.75	
2023-050	\$0.00	0	
3rd Quarter	\$1,362.50	5.25	\$ 1,850.00
October			
November			
December			
4th Quarter	\$0.00	0	
Total Task 4:	\$9,200.00	36.25	

Task 5:

Other GSP Projets

\$ 32,675.00

2023-006	\$562.50	2.25	
2023-011	\$3,193.75	12	
2023-013	\$4,093.75	15.75	
1st Quarter	\$7,850.00	30	\$ 24,825.00
2023-021	\$7,700.00	29	
2023-026	\$7,031.25	29.25	
2023-030	\$12,662.50	47.25	
2nd Quarter	\$27,393.75	105.5	\$ (2,568.75)
2023-038	\$7,462.50	28.5	
2023-043	\$4,262.50	16.25	
2023-050	\$3,625.00	13.75	
3rd Quarter	\$15,350.00	58.5	\$ (17,918.75)
October			
November			
December			
4th Quarter	\$0.00	0	
Total Task 5	\$50,593.75	194	

Task 6:

Project Administration

\$ 27,650.00

2023-006	\$2,956.25	11.25	
2023-011	\$1,850.00	7	
2023-016	\$3,850.00	14.5	
1st Quarter	\$8,656.25	32.75	\$ 18,993.75
2023-021	\$2,800.00	10.5	
2023-026	\$1,587.50	6	
2023-030	\$2,000.00	7.5	
2nd Quarter	\$6,387.50	24.00	\$ 12,606.25
2023-038	\$2,950.00	11.00	
2023-043	\$3,212.50	12.00	
2023-050	\$3,400.00	12.75	
3rd Quarter	\$9,562.50	35.75	\$ 3,043.75
October			
November			
December			
4th Quarter	\$0.00	0.00	
Total Task 6	\$24,606.25	92.50	

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BOARD OF DIRECTORS

Scott Hayman, Chair
Phillip Peters, Vice-Chair
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Thomas Bickauskas
CDR Benjamin Turner, DoD Liaison

Carol Thomas-Keefer
General Manager
Keith Lemieux
Legal Counsel

September 29, 2023

RE: Shallow Well Mitigation Emergency Assistance Funding

Dear Mr. Halpin,

This letter is being sent to you in response to your September 11, 2023, application requesting emergency assistance funding for reimbursement of the cost of potable water, fuel usage, and the water buffalo rental.

Your application and IWVGA staff's evaluation (Staff Report) of the information provided were presented to the General Manager and Chairperson for review. The General Manager and Chairperson have decided to approve your application and authorize funding up to \$6,000 for the cost of potable water, fuel usage, and the water buffalo rental. This IWVGA Program funding is based upon "reimbursement" of appropriate costs for mitigation costs. Please provide your paid invoices directly to Carol Thomas-Keefer at cthomaskeefe@rgs.ca.gov for review and reimbursement, up to \$6,000.

Should you have any additional questions or concerns, please contact April Keigwin at (805) 764-5452 or via email at akeigwin@rgs.ca.gov.

Thank you,

Carol Thomas-Keefer
Carol Thomas-Keefer (Sep 29, 2023 10:29 AM)

Carol Thomas-Keefer
General Manager
Indian Wells Valley Groundwater Authority

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Item 1. Call to Order

Voting members David Janiec, Renee Westa-Lusk, Lyle Fisher, Judie Decker, West Katzenstein, and non-voting members George Croll, Tom Bickauskas and John Kersey were present. Not present were voting members Camille Anderson, Tim Carroll, and Regina Troglin, and non-voting member Lorelei Oviatt. David Janiec welcomed George Croll to the PAC as the new representative for the IWV Water District.

Item 2. Pledge of Allegiance

Item 3. Open Public Comment (Not Related to Other Agenda Items)

None received.

Item 4. Approve Minutes of the July 27, 2023 PAC Meeting

Deferred to next PAC meeting.

Item 5. PAC Recommendations for Board Consideration Regarding the Shallow Well Mitigation Program

5.a. Review ad-hoc subcommittee recommendation regarding fair and reasonable expectations for documentation on the demonstration of well maintenance under the Shallow Well Mitigation Program and develop full PAC recommendation.

The ad-hoc subcommittee was comprised of Judie Decker, Lyle Fisher and West Katzenstein, with Don Decker as the TAC advisory member. The full PAC approved the subcommittee report submitted at the July 27 PAC meeting, and tasked the subcommittee to provide an additional summary statement regarding the specific recommendation for the minimum documentation de minimis well owners should be expected to provide to the GA under the program. For this meeting subcommittee provided an amended document that provided minor clarifications and additional information to the original document approved at the last meeting. They also provided the new one page summary statement recommendation. The PAC first considered the changes to the original document for approval, then separately considered the new summary statement for approval. Judie Decker then discussed the minor changes and information in the modified subcommittee report from the August meeting.

PAC Member Comment – PAC members engaged in a short discussion to fully understand the proposed changes and agreed with the rationale.

PAC Action – Judy Decker moved to have the full PAC accept the new subcommittee report (dated 8/15/2023) as the full PAC submission to the GA board. The motion was seconded by Lyle Fisher and passed unanimously, 5-0.

Judie Decker then presented the new subcommittee statement regarding the specific recommendation for the minimum documentation de minimis well owners should be expected to provide to the GA under the program.

PAC Member Comment – All PAC members had a good discussion on the specific recommended documentation. West Katzenstein observed that there are only two categories of documentation: required and desired. He suggested that the recommendation be ordered in that manner for clarity. David Janiec agreed and thought that it better aligned with the original tasking from the GA Board. Renee Westa-Lusk suggested **bolding** the required documentation verses the desired, for clarity. Judie Decker,

Lyle Fisher and Don Decker (as subcommittee member) thought the document was sufficiently clear as submitted.

Tom Bickauskas suggested the GA may want to consider providing information proactively to well owners regarding the recommended documentation. Judie Decker noted that it was her understanding that the realtor has a responsibility to provide the current condition of the well, depth to water and water quality to the prospective buyer, and that some new property owners did not receive that information. She suggested the GA consider pursuing more on that issue.

Public Comment – Don Decker commented on the relative cost effectiveness of filtration systems in common use in some areas of the valley. He also noted that the county requires a water quality analysis on all new wells.

PAC Action – Lyle Fisher moved to have the full PAC accept the subcommittee report, as written. The motion was seconded by Judie Decker, and passed 4-0-1 with David Janiec abstaining.

PAC Report Recommendation -

The PAC provides two documents in recommendation to the GA Board. The documents are attached to, and part of this PAC Report. The documents are titled: “Summary of Groundwater Well Failure Due to Declining Water Levels and/or Declining Water Quality Occurring as a Result of Declining Water Levels”, and “How to Submit a Mitigation Request to the IWV GA for a “de minimis” Groundwater Well Failure Due to Declining Water Levels and/or Declining Water Quality Occurring as a Result of Declining Water Levels.” The first provides clear definitions of terms and factors to be considered in evaluating wells that may be eligible for the program. It is also intended to provide basic information to the GA and the public. Much of it would form the basis of a “fact sheet” for a de minimis well owner in the valley, and should be made available on the GA website. The second is the specific PAC recommendation for documentation requirements with respect to de minimis well owners that may qualify for the program. It is intended as both the basis for a de minimis well owners application and assessment, and as general information for all de minimis well owners.

The PAC focused on de minimis well owners, as that was within the scope of their knowledge and expertise. The PAC did not address the larger well owners or collectives that would also be eligible under the program, however over 95% of the wells in the valley are de minimis. Detailed documentation for well failures due to declining water quality were not addressed by the PAC due to the complexity and variables that could be involved. A general recommendation was provided.

Item 6. Member Comments

George Croll stated that he was pleased to be on the committee and participating.

Tom Bickauskas reiterated the need for the GA to implement the recommendations for the Communication and Engagement plan, and that this information should be added to the C&E effort.

Renee-Westra Lusk and David Janiec thanked the subcommittee for their hard work on these documents.

West Katzenstein and Lyle Fisher welcomed George Croll and noted he was already contributing.

Judie Decker noted the efforts of GM Carol Thomas-Keefer to implement the C&E Plan. She also noted that the PAC November and December meetings fall on holidays. She thanked Don Decker for his technical contributions to the subcommittee.

David Janiec asked PAC members to be prepared at the next meeting to set new dates for the November and December meetings. He noted that PAC tasking would soon include the update for GSP Chapters.

Item 7. Meeting Adjourned

Submitted by: David Janiec, IWVGA PAC Chair, October 5, 2023

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Summary of IWV GA Shallow “de minimis” Groundwater Well Failure Due to Declining Water Levels and/or Declining Water Quality Occurring as a Result of Declining Water Levels

Subcommittee Recommendation Approved by Full Policy Advisory Committee September 28, 2023

1. The definition of a “shallow well” and a “de minimis shallow well” are provided in this section, which would be incorporated into the IWV GA declining water level, failed well mitigation program.

- * The “de minimis shallow well” is a shallow well that is designed to produce a specific limited amount of groundwater. This well can have up to four separate de minimis connections, each using no more than 2 ac-ft per year. **It is this well type that is the subject of this document, as is defined in California SGMA (Sustainable Groundwater Management Act). Over 90+ % of the IWV wells are de minimis.**
- * A “shallow well” is defined as a well typically designed to produce a larger water quantity per year, as in a co-op or mutual water system. **The details of such a system often are more complicated technically and legally than a de minimis system and will be described separately from this document.** The mitigation of such a system at failure could involve a system redesign and reconstruction to enable combining with a neighboring system or joining a public water system.
- * **No financial or legal discrimination is intended or implied in the separation into “de minimis shallow well” and “shallow well” types.**

2. Typical de minimis shallow well casing design and depth.

- * A de minimis well is nearly always constructed with 6 inch *mild steel casing*, sometimes 8 inches, for shared wells. The depth of the well is usually 100 feet deeper than the *local* water table. **It is advisable in areas of seriously declining water levels to drill deeper, perhaps providing 140’ or even more of standing water in a new well.**

3. Typical screen design for a de minimis shallow well.

- * A de minimis well is typically provided with 40 feet of perforated section (the screen) at the bottom of the well casing. **Wells are often found in this Valley with a longer screen section but the additional screen usually serves no good purpose. In fact, it directly reduces the life of the well (see Sec. 5).**

4. Typical pump and motor design for a de minimis shallow well.

- * A 1 or 1½ horsepower well pump and motor are sufficient for de minimis purposes with present day water depths. Somewhat larger pumps and motors are required for shared wells, up to 5 horsepower.

5. De minimis shallow well failure. The IWV Groundwater Authority (GA) has authorized monetary compensation for failure of shallow de minimis wells which are *directly related* to declining groundwater levels or *associated TDS (total dissolved solids)* or specific EPA contaminant level increases in the pumped water (see further down in this section) . **The GA compensation might involve redrilling and sleeving the existing well or drilling a new deeper well.**

- * **Assumed failure.** The groundwater level related well failures are commonly thought to be a *direct* result of the well groundwater levels declining and *drying out the well*. **This virtually never happens in a water producing well as other failures will precede this point.**
- * **The processes of mechanical failure** take a huge negative step when the pump is lowered (to stay covered as the water table declines) to the point that the *pump intake is within the casing perforations*. Depending upon the composition of the fines of the alluvial material outside of the casing (opposite the pump intake) the pump intake suction will draw in more or less sand and similar abrasive materials. This sand can cause erosion and clogging of the perforations and the pump intake screen and the pump itself and can cause pump failure in a relatively short time. **This is a very serious well issue and often is the cause of immediate well failure.**

- * **The next potential *corrosion* failure step.** If the well water level continues to drop, it will eventually reach the top of the screen. At this point, exposure of the screen to the air will result in a *substantially accelerated* corrosion (rusting) of the perforated section of the well. **This step can result in casing failure.**
 - * **The *corrosion* failures from increasing TDS (total dissolved solids)** are more subtle and often involve corrosion pitting and even casing failure. Most wells are completed with a mild steel casing. **The failure of such a well commonly progresses from corrosion which is eating away the casing wall, to the point of casing collapse.** In this Valley, the causes are primarily due to i) high chloride and/or sulfate ion concentrations present in the groundwater at some locations or ii) the high iron/manganese in some groundwater that encourages growth of an iron bacteria that creates thick coatings of ferrous hydroxide. The coating is not uniform in thickness and the holes of the perforation section and the casing itself are weakened.
 - * **Well water chemistry and *human health*.** The TDS of the water pumped in most wells in the IWV is slowly increasing as the water table declines. **However, most IWV wells will ultimately fail from water level declines, not from increases in TDS. Even if the increase in TDS does not cause casing corrosion failure, it may ultimately become a health issue.** Well owners who have a well which is producing high TDS water, should be vigilant in getting regular water chemistry analyses, especially if the water is high in iron, manganese or arsenic.
 - * **A well is declared in a *human health* failure condition, if the well water reaches the Primary Standards level of an EPA listed contaminant. If the well at a previous time was producing water at a lower contaminant level, it may be approved for GA mitigation. For more guidance see the EPA tables of Primary Standards of drinking water contaminants and permitted levels.** (The IWV Water District will provide sample containers and coordination of samples with a licensed laboratory they are using.)
- 6. Well maintenance.** Much concern has been made of the maintenance that a well receives. **It is very important for the well owner to have *knowledge and understanding* of his well, and its history.**
- * **It is the sole responsibility of the well owner to maintain the equipment in his well.** For a shallow de minimis well the *only* maintenance usually made (or necessary) is to replace the pump and motor when a failure occurs in those components and to add a length of drop pipe and wire to the motor when it is replaced to keep up with declining water levels.
- 7. Apportioning the cost of well repair.** Not all of the cost of well repair would be borne by the GA in their mitigation program. A prorated cost based on the calculated life of the well and other factors discussed above would be used to determine the GA financial contribution. **This is a complicated calculation and is often imperfect.**
- * **The physical and human health life of a well** as actually observed can vary by a factor of nearly *ten* with the complex IWV Basin groundwater chemistries. If a well owner is willing to do a simple *video examination* of the subject failed well, much conjecture (and argument) can be eliminated. **Ultimately, the well owner still has the primary responsibility for the well.**
 - * **A matrix is suggested** for assisting in evaluation of the overall condition of a well. The subcommittee offers the following matrix which assigns a percentage to each factor:
 - Groundwater lowering/water quality decline 75%
 - Well condition & well history 15%
 - Well age 10%
 - Total matrix equals 100%.
- 7. A Report Form** that uses the factors described in this Committee Report would provide an accurate assessment of a failed well and should be a topic for the 2025 revisions to the GSP.

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How to Submit a Mitigation Request to the IWV GA for a Shallow “de minimis” Groundwater Well Failure Due to Declining Water Levels and/or Declining Water Quality Occurring as a Result of Declining Water Levels

Subcommittee Recommendation Approved by Full Policy Advisory Committee September 28, 2023

(Subcommittee Members: Judie Decker, Lyle Fisher, West Katzenstein and Don Decker)

1. The Mitigation Request starting point is the submission of a recent report by a licensed well driller or well maintenance company for the subject failed well. This report should contain:

- * Date of Report and identity of the preparer including license number
- * Measured depth of the groundwater in the subject well
- * Measured depth of the well pump intake
- * Measured depth of the well
- * Summary of the well failure cause(s)

2. Also submit, *as available*, all earlier well reports provided to the owner at the time of completion of the well and subsequent maintenance including replacement(s) of the well pump and/or motor and drop pipe and wiring as was necessary to keep up with a declining groundwater situation. The completion report will contain the information requested in no. 1 at the time of well drilling and further details of the well. It would also be potentially useful to submit well water Chemistry Report(s) from a licensed firm. Here is a list of suggested items:

- * Length of the perforated section
- * Depth of the completed well
- * Depth to groundwater
- * Casing type and diameter
- * Size of the well pump and motor
- * General Mineral well water chemistry report
- * Report on the video examination of the failed well, including frames of damaged areas

3. Submit known history of the well, including estimates of rate of water pumped and total water pumped. In addition, include history concerning groundwater level declines.

- * In this well or nearby wells

4. If the well has failed due to water quality issues, water chemistry reports should be submitted. Especially important are reports that *span the period of time* the well has been pumped.

- * General Mineral well water chemistry reports from a licensed firm that document the declining water quality

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