

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, June 12, 2024

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 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 Special Board Meeting May 15, 2024
- b. Approve Expenditures
 - *To view itemized invoices please visit <https://iwvga.org/iwvga-meetings>*
 - i. \$108,581.29 – Stetson Engineers
 - ii. \$30,384.13 – Regional Government Services – (Replenishment / Extraction)
 - iii. \$16,668.75 – Capitol Core Group – (Replenishment)
 - iv. \$197,785.60 – Provost & Pritchard – (SGMA IP Grant)

9. PUBLIC WORKSHOP – GROUNDWATER SUSTAINABILITY PLAN PERIODIC REVIEW AND UPDATE

10. WATER RESOURCES MANAGER REPORT

- a. Grant Funding
- b. GSP Implementation Projects/Management Action Updates
 - i. Imported Water Project
 - ii. Shallow Well Mitigation Program
 - iii. GSP Periodic Evaluation and Amendment
- c. Miscellaneous Items
 - i. Data Collection and Monitoring
 - ii. IWVGA Basin Model Configuration Management Plan
 - iii. Rose Valley Subflow Update

11. GENERAL MANAGER’S REPORT

- a. Monthly Financial Report
- b. C&E Plan Update

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

12. DATE OF NEXT MEETING – JULY 10, 2024

13. 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 SPECIAL MEETING MINUTES Wednesday, May 15, 2024

IWVGA Members Present:

Chairman Phillip Peters, Kern County	Carol Thomas-Keefer, IWVGA General Manager
Scott Hayman, City of Ridgecrest	Phillip Hall, Legal Counsel
Chuck Griffin, IWVWD	Steve Johnson, Stetson Engineers
John Vallejo, Inyo County	April Keigwin, Clerk of the Board
Commander Turner, US Navy, DoD Liaison	

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

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

2. ADOPTION OF AGENDA:

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

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

3. OPEN SESSION:

- a. Pledge of Allegiance is led by Chairman Peters
- b. Roll Call

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

4. PUBLIC COMMENT:

None.

5. BOARD MEMBER COMMENT:

Commander Turner states his replacement has received orders to take his seat on the IWVGA board.

Director Griffin states the Water District hired Clean Energy Capitol to do a cost analysis for the pipeline project that will be presented at their next board meeting. Griffin requests comments be submitted by end of month.

6. CONSENT AGENDA:

- a. Approve Minutes of Board Meeting April 10, 2024
- b. Approve Expenditures

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

- i. \$133,090.58 – Stetson Engineers
- ii. \$37,640.34 – Regional Government Services – (Replenishment / Extraction)
- iii. \$18,962.50 – Capitol Core Group – (Replenishment)
- iv. \$125,595.17 – Provost & Pritchard – (SGMA IP Grant)

Motion made by Scott Hayman and seconded by Chuck Griffin to approve meeting minutes and the following expenditures in the amount of, \$133,090.58 to Stetson Engineers, \$37,640.34 to Regional Government Services, \$18,962.50 to Capitol Core Group, and \$125,595.17 to Provost & Pritchard.

Motion carries by the following roll call vote:

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

7. REPORT ON BOARD MEMBER REFERRAL REGARDING LITTLE LAKE:

Michael McKinney of Capitol Core Group provides memorandum.

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

8. PUBLIC SERVICE ANNOUNCEMENT REGARDING THE GROUNDWATER ADJUDICATION LAWSUIT FILED BY THE INDIAN WELLS VALLEY WATER DISTRICT AND THE LITIGATION'S IMPACT ON SMALL DOMESTIC WELL OWNERS IN THE VALLEY:

Counsel Hall provides presentation.

The Board hears public comment from Judie Decker, Jim Worth, Keith Lemieux, West Katzenstein and Renee Westa-Lusk.

9. WATER RESOURCES MANAGER REPORT:

Steve Johnson provides updates on the following items:

- a. Grant Funding
- b. GSP Implementation Projects/Management Action Updates
 - i. Imported Water Project
 - ii. Shallow Well Mitigation Program
 - iii. GSP Periodic Evaluation and Amendment
- c. Miscellaneous Items
 - i. Data Collection and Monitoring
 - ii. IWVGA Basin Model Configuration Management Plan
 - iii. Rose Valley Subflow Update

The Board hears public comment from Judie Decker.

10. GENERAL MANAGERS REPORT:

Carol Thomas-Keefer provides the monthly financial report, updates to the C&E plan, and reports from the water marketer.

The Board hears public comment from Renee Westa-Lusk.

11. PUBLIC COMMENT ON CLOSED SESSION:

None.

Chairman Peters adjourns to closed session at 11:56 a.m.

12. CLOSED SESSION:

- CONFERENCE WITH LEGAL COUNSEL – POTENTIAL LITIGATION –
(Government Code Section 54956.9(d)(2)(e)(1)(One Matter)
- 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 – 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
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13. REPORT ON CLOSED SESSION:

Counsel Hall reports there was no reportable action taken that would require disclosure under The Brown Act.

14. DATE OF NEXT MEETING – JUNE 12, 2024

15. ADJOURN:

Chairman Peters adjourns the meeting at 1:23 p.m. on May 15, 2024.

Respectfully submitted,

April Keigwin
Clerk of the Board
Indian Wells Valley Groundwater Authority

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

Invoice

Indian Wells Valley Groundwater Authority
Ms. Carol Thomas-Keefer
100 W. California Ave.
Ridgecrest, CA 93555

Invoice Number: 2652-81
Invoice Date: 05/30/24

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

Professional Services through 4/30/2024

Water Resources Management 2024

01 - Meetings & Prep

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	9.00	\$244.00	\$2,196.00
Supervisor I	5.25	\$212.00	\$1,113.00
GIS Manager	0.75	\$126.00	\$94.50
Associate III	2.50	\$114.00	\$285.00
Assistant I	32.25	\$101.00	\$3,257.25
Assistant II	5.75	\$96.00	\$552.00

Professional Services Subtotal: \$7,497.75

Reimbursables

	<u>Charge</u>
Reproduction (Color)	\$29.37
Reproduction	\$7.05

Reimbursables Subtotal: \$36.42

Meetings & Prep Subtotal: \$7,534.17

01.02 - LADWP Releases Analysis and Presentation

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Special Project Director	19.50	\$244.00	\$4,758.00
Supervisor II	31.50	\$197.00	\$6,205.50
GIS Manager	6.25	\$126.00	\$787.50

Professional Services Subtotal: \$11,751.00

LADWP Releases Analysis and Presentation Subtotal: \$11,751.00

02.01 - SGMA IP Grant Administration

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Assistant I	8.75	\$101.00	\$883.75

Professional Services Subtotal: \$883.75

SGMA IP Grant Administration Subtotal: \$883.75

02.02 - Urban Community Drought Relief Funding Administration

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.25	\$212.00	\$265.00
Assistant I	13.50	\$101.00	\$1,363.50

Professional Services Subtotal: \$1,628.50

Urban Community Drought Relief Funding Administration Subtotal: \$1,628.50

03 - Grant Review & Application Preparation

Professional Services

<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
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**03 - Grant Review & Application Preparation****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$244.00	\$366.00
<i>Professional Services Subtotal:</i>			<u>\$366.00</u>

Grant Review & Application Preparation Subtotal: \$366.00

04 - Data Mgmt System Support**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Senior III	4.25	\$138.00	\$586.50
<i>Professional Services Subtotal:</i>			<u>\$586.50</u>

Data Mgmt System Support Subtotal: \$586.50

05 - General Project Mgmt**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$212.00	\$212.00
Senior Associate	3.25	\$132.00	\$429.00
<i>Professional Services Subtotal:</i>			<u>\$641.00</u>

General Project Mgmt Subtotal: \$641.00

06 - Model Transfer & Upgrade**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$244.00	\$488.00
Special Project Director	23.25	\$244.00	\$5,673.00
Supervisor I	13.50	\$212.00	\$2,862.00
Supervisor II	9.50	\$197.00	\$1,871.50
Assistant II	66.00	\$96.00	\$6,336.00
<i>Professional Services Subtotal:</i>			<u>\$17,230.50</u>

Model Transfer & Upgrade Subtotal: \$17,230.50

07.01 - Imported Water: Planning/Design/Environmental**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	10.00	\$244.00	\$2,440.00
Supervisor I	17.75	\$212.00	\$3,763.00
Assistant I	32.00	\$101.00	\$3,232.00
<i>Professional Services Subtotal:</i>			<u>\$9,435.00</u>

Reimbursables

		<u>Charge</u>
Mileage		\$120.60
<i>Reimbursables Subtotal:</i>		<u>\$120.60</u>

Imported Water: Planning/Design/Environmental Subtotal: \$9,555.60

07.02 - Imported Water: Engagement/Outreach**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$244.00	\$366.00
<i>Professional Services Subtotal:</i>			<u>\$366.00</u>

Imported Water: Engagement/Outreach Subtotal: \$366.00

11 - Data Collection, Monitoring & Data Gaps**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Special Project Director	4.00	\$244.00	\$976.00
Supervisor I	1.00	\$212.00	\$212.00
Senior Associate	35.00	\$132.00	\$4,620.00
Associate I	34.75	\$126.00	\$4,378.50

**11 - Data Collection, Monitoring & Data Gaps****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
GIS Manager	1.00	\$126.00	\$126.00

Professional Services Subtotal: \$10,312.50

Reimbursables

			<u>Charge</u>
Other Expenses			\$1,121.27

Reimbursables Subtotal: \$1,121.27

Data Collection, Monitoring & Data Gaps Subtotal: \$11,433.77

12 - Shallow Well Consolidation Project**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	12.00	\$244.00	\$2,928.00
Supervisor I	1.00	\$212.00	\$212.00
Assistant I	3.00	\$101.00	\$303.00
Assistant II	7.00	\$96.00	\$672.00

Professional Services Subtotal: \$4,115.00

Shallow Well Consolidation Project Subtotal: \$4,115.00

14 - Production Reporting, Transient Pool & Fee Support**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.25	\$212.00	\$53.00
Assistant I	7.75	\$101.00	\$782.75
Assistant II	1.75	\$96.00	\$168.00

Professional Services Subtotal: \$1,003.75

Production Reporting, Transient Pool & Fee Support Subtotal: \$1,003.75

18.1 - Navy/Coso Cooperative Agreement**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Special Project Director	2.25	\$244.00	\$549.00
Associate I	0.50	\$126.00	\$63.00

Professional Services Subtotal: \$612.00

Navy/Coso Cooperative Agreement Subtotal: \$612.00

20 - Shallow Well Mitigation Program: Outreach & Impacts Evaluation**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Assistant I	1.25	\$101.00	\$126.25

Professional Services Subtotal: \$126.25

Shallow Well Mitigation Program: Outreach & Impacts Evaluation Subtotal: \$126.25

21 - General Engineering**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$212.00	\$106.00
Assistant I	3.00	\$101.00	\$303.00
Assistant II	3.25	\$96.00	\$312.00

Professional Services Subtotal: \$721.00

General Engineering Subtotal: \$721.00

22 - GSP 5-Year Update**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Special Project Director	2.50	\$244.00	\$610.00
Supervisor I	13.25	\$212.00	\$2,809.00
Supervisor II	102.50	\$197.00	\$20,192.50

**22 - GSP 5-Year Update****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
GIS Manager	32.50	\$126.00	\$4,095.00
Assistant II	107.75	\$96.00	\$10,344.00
<i>Professional Services Subtotal:</i>			<u>\$38,050.50</u>
<i>GSP 5-Year Update Subtotal:</i>			<u>\$38,050.50</u>

26 - Budget Support**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Assistant II	0.25	\$96.00	\$24.00
<i>Professional Services Subtotal:</i>			<u>\$24.00</u>
<i>Budget Support Subtotal:</i>			<u>\$24.00</u>

27 - Litigation Support**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	7.00	\$244.00	\$1,708.00
Special Project Director	1.00	\$244.00	\$244.00
<i>Professional Services Subtotal:</i>			<u>\$1,952.00</u>
<i>Litigation Support Subtotal:</i>			<u>\$1,952.00</u>

Water Resources Management 2024 Subtotal: \$108,581.29

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

\$108,581.29

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PO Box 1350
Carmel Valley, CA 93924

Invoice

Date	Invoice #
4/30/2024	16866

Bill To:

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

P.O. No.	Due Date	Inv Sent
	6/15/2024	5/29/2024

Date	Description	Amount
4/30/2024	Reimbursable Expenses for City of 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 #
4/30/2024	16747

Bill To:

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

P.O. No.	Due Date	Inv Sent
	5/30/2024	5/14/2024

Date	Description	Amount
4/30/2024	Contract Services for April - please see attached	30,084.13

Electronic Payment Information:Five Star Bank
Routing:121143037 Account:003528782

Total	\$30,084.13
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Indian Wells Valley

Month: April, 2024

Hours and Rates by Pay Period					
Advisor	1st -15th		16th - EOM		Monthly
	Reg Hrs	Bill Rate	Reg Hrs	Bill Rate	Total Billed
CT	18.00	\$ 140.70	14.50	\$ 140.70	\$ 4,572.75
AK	87.00	\$ 110.25	62.50	\$ 110.25	\$ 16,482.38
JK	0.00	\$ -	0.00	\$ -	\$ -
GL	0.00	\$ -	0.00	\$ -	\$ -
HI	0.00	\$ -	0.00	\$ -	\$ -
DN	0.00	\$ -	4.50	\$ 115.00	\$ 517.50
GS	30.50	\$ 137.00	13.00	\$ 137.00	\$ 5,959.50
RM	10.50	\$ 176.00	4.00	\$ 176.00	\$ 2,552.00
Sub-Totals	146.00		98.50		\$ 30,084.13

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Capitol Core Group
205 Cartwheel Bend (Operations Dept.)
Austin, TX 78738 US
+15125683084
operations@capitolcore.com
www.capitolcore.com

BILL TO

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

INVOICE 2024-046

DATE 06/03/2024 **TERMS** Net 45

DUE DATE 07/18/2024

DATE	ACCOUNT SUMMARY	AMOUNT
05/01/2024	Balance Forward	57,543.75
	Other payments and credits after 05/01/2024 through 06/02/2024	-57,543.75
06/03/2024	Other invoices from this date	0.00
	New charges (details below)	16,668.75
	Total Amount Due	16,668.75

ACTIVITY	HOURS	RATE	AMOUNT
Charges			
Project 1: Imported Water Supplies			
P1-A: Ongoing Supply Negotiations			
Government Relations: Intergovernmental Affairs	3.50	275.00	962.50
A: Continuing Negotiations Antelope Valley Sellers {Tatum}			
Government Relations: Intergovernmental Affairs	1.50	250.00	375.00
A: Little Lake Memorandum Review {Simonetti}			
P1-B: Other Required Agreements			
Government Relations: Intergovernmental Affairs	1	250.00	250.00
B: AVEK SNIPS Project {Simonetti}			
Government Relations: Intergovernmental Affairs	2.50	275.00	687.50
B: Internal Meetings Regarding Wheeling Agreement and Interconnection {Tatum}			
P1-C: Regulatory Approvals			
P1-D: 2024 Water Negotiations (new agencies)			
Government Relations: Intergovernmental Affairs	4	275.00	1,100.00
D: 2024 Water Sales {Tatum}			
Government Relations: Intergovernmental Affairs	1.50	250.00	375.00
D: 2024 Water Supplies {Simonetti}			
Invoice Total Project 1: \$3,750.00			
Project 2: Interconnection Pipeline			

ACTIVITY	HOURS	RATE	AMOUNT
Government Relations:Federal Congressional: WRDA-24 Senate (Committee, Leadership, and Caucuses) {McKinney}	9.50	275.00	2,612.50
Government Relations:Federal Agency: Sentinel Landscapes Research and Call {McKinney}	1	275.00	275.00
Government Relations:Federal Agency: DOD preparation {McKinney}	1.50	275.00	412.50
Government Relations:Federal Agency: DOD Briefing Materials for Supv. Peters (Simonetti)	1	250.00	250.00
Government Relations:California Agency: Dept of Water Resources {Simonetti}	2.25	250.00	562.50
Government Relations:Federal Congressional: FY2025 E&WD Request Follow-up {Simonetti}	1.25	250.00	312.50
Government Relations:Federal Agency: Federal Sentinal Landscapes Program {Simonetti}	2	250.00	500.00
Government Relations:Federal Congressional: WRDA-24 House {Simonetti}	1.50	250.00	375.00
Government Relations:Federal Agency: USACE and Mitigation Credits {Simonetti}	2	250.00	500.00
Invoice Total Project 2: \$5,800.00			
Project 3: Other Project Supporting GSP			
P3-A: Water Recycling Plant			
P3-B: Wastewater Treatment Plant			
P3-C: Well Mitigations, Consolidations and Land Repurposing			
Government Relations:California Agency: State Water Resources Control Board: Consolodations, Radamacher Lane, and Grant Coordinateion {McKinney}	2.75	275.00	756.25
P3-D: Governmental Affairs			
Government Relations:California Legislative: 2023-2024 California Session {McKinney}	2	275.00	550.00
Government Relations:Federal Agency: EPA Funding Fair/Identifying Federal funding and currently available programs {Tatum}	2.50	275.00	687.50
Government Relations:California Agency: California Funding Fair/Identifying State Funding and currently available programs {Tatum}	3.50	275.00	962.50
Government Relations:California Legislative: May Budget Review {Simonetti}	0.75	250.00	187.50
Invoice Total Project 3: \$3,143.75			
Project Administration			
Miscellaneous Sales:Sales Board Meetings: May Board Meeting {McKinney}	3.50	275.00	962.50
Government Relations:Federal Congressional: NDAA-25 {McKinney}	2	275.00	550.00
General Business Items:Project Administration Board Meeting: May {Tatum}	3.50	275.00	962.50

ACTIVITY	HOURS	RATE	AMOUNT
General Business Items:Project Administration Ad Hoc: Monthly Materials PReparation {Simonetti}	1	250.00	250.00
General Business Items:Project Administration Board Mtg: Monthly Materials Preparation, Discussions and Board Meeting May {Simonetti}	5	250.00	1,250.00
Invoice Total Project Administration: \$3,975.00			

Compliance Reporting			
Federal Reporting June Invoice: \$5,925.00			
State Reporting June Invoice: \$3,018.75			

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

SUBTOTAL	16,668.75
TAX	0.00
TOTAL	16,668.75
TOTAL OF NEW CHARGES	16,668.75

TOTAL DUE	\$16,668.75
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April Keigwin
Indian Wells Valley Groundwater Authority
100 West California Avenue
Ridgecrest, CA 93555

June 07, 2024
Project: No: 04101-23-002
Invoice No: 110453

Project Name: IWVGA Imported Water Conveyance Design Services

Client Project #:

See Monthly Progress Report attached to the front of this invoice.

Professional Services from April 22, 2024 to May 31, 2024

Phase: 121P Coordination Meetings

Labor

	Hours	Rate	Amount	
Senior Engineer	1.50	186.00	279.00	
Senior Engineer	.50	164.00	82.00	
Senior Engineer	11.60	195.00	2,262.00	
Associate Engineer	8.50	133.00	1,130.50	
Associate Biologist	8.20	130.00	1,066.00	
Totals	30.30		4,819.50	
Total Labor				4,819.50
			Total this Phase:	\$4,819.50

Phase: 122S Stantec Coordination Meetings

Consultants

Consultants			379.50	
Total Consultants			379.50	379.50
			Total this Phase:	\$379.50

Phase: 131P P&P General Project Management

Labor

	Hours	Rate	Amount	
Senior Engineer	20.00	195.00	3,900.00	
Principal Engineer	1.90	227.00	431.30	
Principal Engineer	19.20	248.00	4,761.60	
Totals	41.10		9,092.90	
Total Labor				9,092.90
			Total this Phase:	\$9,092.90

Phase: 132S Stantec General Project Management

Consultants

Consultants			3,924.38	
Total Consultants			3,924.38	3,924.38
			Total this Phase:	\$3,924.38

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For billing inquiries, please email Billing@ppeng.com.

Project	04101-23-002	IWVGA Imported Water Conveyance Design	Invoice	110453
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Phase: 231P Surveying

Labor

	Hours	Rate	Amount	
Travel Time	14.00	80.00	1,120.00	
1-Man Survey Crew	23.00	200.00	4,600.00	
2-Man Survey Crew	5.50	285.00	1,567.50	
Senior Engineer	8.30	195.00	1,618.50	
Senior Technician	5.00	130.00	650.00	
Assistant Technician	1.50	91.00	136.50	
Licensed Surveyor	9.00	180.00	1,620.00	
Totals	66.30		11,312.50	
Total Labor				11,312.50

Reimbursable Expenses

Travel & Mileage			742.00	
Total Reimbursables			742.00	742.00

Unit Billing

Lumber -				
5/28/2024	Lumber -	542.0 Units @ 2.00	1,084.00	
	Total Units	1.0 times	1,084.00	1,084.00
		Total this Phase:		\$13,138.50

Phase: 251P P&P Coordination Geotechnical Services

Labor

	Hours	Rate	Amount	
Senior Technician	2.30	150.00	345.00	
Associate Biologist	1.30	130.00	169.00	
Totals	3.60		514.00	
Total Labor				514.00
		Total this Phase:		\$514.00

Phase: 252G Soils Engineering Geotechnical Services

Consultants

Consultants			5,359.00	
Total Consultants			5,359.00	5,359.00
		Total this Phase:		\$5,359.00

Phase: 271P BLM Special Use Permit

Labor

	Hours	Rate	Amount	
Senior Engineer	32.40	195.00	6,318.00	
Associate Engineer	10.50	133.00	1,396.50	
Principal Engineer	8.30	248.00	2,058.40	
Project Administrator	.50	94.00	47.00	
Project Administrator	3.20	101.00	323.20	
Intern	2.30	65.00	149.50	
Totals	57.20		10,292.60	
Total Labor				10,292.60

Project	04101-23-002	IWVGA Imported Water Conveyance Design	Invoice	110453
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Reimbursable Expenses

Postage/Shipping/Delivery	28.12	
Total Reimbursables	28.12	28.12
Total this Phase:		\$10,320.72

Phase: 274P Kern County Roads Franchise Agreement/Encroachment Permit

Labor

	Hours	Rate	Amount	
Senior Engineer	18.00	178.00	3,204.00	
Senior Engineer	2.20	195.00	429.00	
Totals	20.20		3,633.00	
Total Labor				3,633.00
Total this Phase:				\$3,633.00

Phase: 275P SCE Encroachment Permit (Transmission Line Under Crossing)

Labor

	Hours	Rate	Amount	
Senior Engineer	13.00	178.00	2,314.00	
Senior Engineer	3.60	195.00	702.00	
Assistant Engineer	2.00	126.00	252.00	
Totals	18.60		3,268.00	
Total Labor				3,268.00
Total this Phase:				\$3,268.00

Phase: 276P Coordination with Cal Parks

Labor

	Hours	Rate	Amount	
Project Administrator	3.90	101.00	393.90	
Totals	3.90		393.90	
Total Labor				393.90
Total this Phase:				\$393.90

Phase: 284S Scour Analysis of BLM Drainage Crossings

Consultants

Consultants	34,040.00	
Total Consultants	34,040.00	34,040.00
Total this Phase:		\$34,040.00

Phase: 313S Stantec 30% Submittal

Consultants

Consultants	15,743.50	
Total Consultants	15,743.50	15,743.50
Total this Phase:		\$15,743.50

Phase: 31T7 Instrumentation and Controls TM

Consultants

Consultants	7,963.75	
Total Consultants	7,963.75	7,963.75

Project	04101-23-002	IWVGA Imported Water Conveyance Design	Invoice	110453
Total this Phase:			\$7,963.75	
Phase:	31T9	Preliminary Permitting Requirements TM 30% Design		
Labor				
		Hours	Rate	Amount
Associate Engineer		3.70	133.00	492.10
Totals		3.70		492.10
Total Labor				492.10
Total this Phase:			\$492.10	
Phase:	31TX	Mechanical Process-Pump Selection		
Consultants				
Consultants				241.50
Total Consultants			241.50	241.50
Total this Phase:			\$241.50	
Phase:	321P	P&P 60% Submittal		
Labor				
		Hours	Rate	Amount
Senior Engineer		5.50	186.00	1,023.00
Senior Engineer		8.00	178.00	1,424.00
Senior Engineer		29.20	195.00	5,694.00
Senior Specialist		6.70	165.00	1,105.50
Principal Engineer		15.20	207.00	3,146.40
Principal Engineer		.10	227.00	22.70
Project Administrator		.10	94.00	9.40
Project Administrator		3.70	101.00	373.70
Totals		68.50		12,798.70
Total Labor				12,798.70
Total this Phase:			\$12,798.70	
Phase:	322D	P&P Drafting 60% Submittal		
Labor				
		Hours	Rate	Amount
Assistant Engineer		66.90	126.00	8,429.40
Associate Technician		25.90	125.00	3,237.50
Totals		92.80		11,666.90
Total Labor				11,666.90
Total this Phase:			\$11,666.90	
Phase:	323S	Stantec 60% Pumping Facility Design and Specs		
Consultants				
Consultants				35,874.25
Total Consultants			35,874.25	35,874.25
Total this Phase:			\$35,874.25	
Billing Limits				
		Current	Prior	To-Date
Total Billings		173,664.10	2,332,778.02	2,506,442.12
Budget				3,770,969.00

Project	04101-23-002	IWVGA Imported Water Conveyance Design	Invoice	110453
Budget Remaining			1,264,526.88	
			Total this Invoice	<u>\$173,664.10</u>

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

May 31, 2024
Project No: 04101-23-001
Invoice No: 110424

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

Client Project #:

TSK 1 Initial Coordination: Continued Coordination tasks with staff, client, and agencies to keep project schedule on track. Administrative tasks for overall project progression. Weekly coordination meetings and tasks for project progression. Coordination meetings with sub consultants. Internal management meetings for project progression discussions, staff changes, and all related project status updates. Internal staff coordination based on agency feedback and updates from meetings. Follow up on amendments and notice to proceed. Attend all meetings with BLM and client and draft notes for review and sending out to group. Process sub consultant invoices, reimbursable expenses and timesheets for approval. Email correspondence.

TSK 2 Geotechnical Studies: Continued email correspondence with BLM and CDFW to discuss boring sites and mitigation measures. Review and discuss boring locations and make edits to all prepared maps based on discussions. Review mitigation measures for geotechnical work and revise based on meetings with BLM and CDFW. Map updates for geotechnical locations. Meeting with BLM to review and edits to POD and CMAs for geotechnical work and resolved questions/comments on prepared document. Check in with CDFW and email correspondence. Coordination with subconsultant on LSA and ARD resubmittal. Email correspondence.

TSK 4 Public Outreach: Updates to scoping report per meetings with BLM and coordination meetings.

TSK 5 Regulatory Compliance and Permitting: Follow up on submittal of permits for geotechnical work to CDFW. Review CDFW Meetings with CDFW on Project location and Geotech boring sites. Compiling ARD comments and edits to have done for permit package resubmittal. Internal meeting with sub consultant for edits to the ARD based on LSA comments. Coordination with sub consultant on edits and updates to ARD report. Edits to figures.

TSK 6 CEQA/NEPA Documentation: Coordination meetings on cumulative impacts and alternatives analysis. Updating cumulative impact section. Updates to EA Alternatives sections. Updates to bio resources section based on BA/BE. Updates to project description based on alignment updates from design. Updates to exhibits. Internal QAQC on EIR and EA sections and IS for submittal to agencies and client. Edits to figures in environmental document. Format document and send to BLM for review.

Professional Services from April 01, 2024 to April 30, 2024

Phase: TSK1 Initial Coordination (Kick Off Meetings)

Labor

	Hours	Rate	Amount	
Principal Engineer	.50	240.00	120.00	
Principal Planner	9.90	198.00	1,960.20	
Senior Project Administrator	30.60	122.00	3,733.20	
Totals	41.00		5,813.40	
Total Labor				5,813.40
Total this Phase:				\$5,813.40

Phase: TSK2 Geotechnical Studies

Labor

	Hours	Rate	Amount	
Associate Specialist	3.90	127.00	495.30	
Principal Planner	.20	198.00	39.60	
Associate Biologist	19.20	136.00	2,611.20	
Principal Biologist	1.50	180.00	270.00	
Totals	24.80		3,416.10	
Total Labor				3,416.10

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Project	04101-23-001	IWVGA CEQA_NEPA Permitting	Invoice	110424
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Total this Phase: \$3,416.10

Phase: TSK5 Regulatory Compliance and Permitting

Labor

	Hours	Rate	Amount	
Associate Biologist	8.60	136.00	1,169.60	
Principal Biologist	.20	180.00	36.00	
Totals	8.80		1,205.60	
Total Labor				1,205.60
Total this Phase:				\$1,205.60

Phase: TSK6 CEQA/NEPA Documentation

Labor

	Hours	Rate	Amount	
Senior Specialist	3.50	157.00	549.50	
Associate Planner	.20	124.00	24.80	
Assistant Planner	.20	103.00	20.60	
Principal Planner	.70	198.00	138.60	
Senior Project Administrator	12.80	122.00	1,561.60	
Totals	17.40		2,295.10	
Total Labor				2,295.10
Total this Phase:				\$2,295.10

Total this Invoice \$12,730.20

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

May 31, 2024
Project: No: 04101-24-002
Invoice No: 110425

Project Name: IWVGA Imported Pipeline Mojave Tank Farm Alternative

Client Project #:

TSK1 Initial Coordination: Review contracts and sub agreements. Project set up tasks. Maps discussion and coordination for Mojave Tank Farm alignment. Kick off with GIS team. Discuss Phase 2 Mojave Tank Farm portion with BLM for path forward. Coordination meeting with BLM, Stetson, internal staff and subs. Notes.

TSK2 Technical Studies: Project set up tasks for technical studies. Prepare survey maps. Prepare landowner contact information. Mail notices to parcel owners for surveys and environmental analysis.

Professional Services from April 01, 2024 to April 30, 2024

Phase: TSK1 IWVGA Imported Pipeline Project Mojave Tank Farm Analysis Initial Coordination
Labor

	Hours	Rate	Amount	
Senior Engineer	3.80	210.00	798.00	
Senior Specialist	15.20	157.00	2,386.40	
Principal Engineer	.80	240.00	192.00	
Associate Planner	1.30	124.00	161.20	
Principal Planner	4.30	198.00	851.40	
Associate Biologist	8.40	136.00	1,142.40	
Senior Project Administrator	10.70	122.00	1,305.40	
Totals	44.50		6,836.80	
Total Labor				6,836.80
Total this Phase:				\$6,836.80

Phase: TSK2 IWVGA Mojave Tank Farm Analysis Technical Studies
Labor

	Hours	Rate	Amount	
Senior Specialist	8.00	157.00	1,256.00	
Senior Specialist	.30	185.00	55.50	
Associate Biologist	.50	122.00	61.00	
Associate Biologist	22.50	136.00	3,060.00	
Senior Project Administrator	1.00	122.00	122.00	
Totals	32.30		4,554.50	
Total Labor				4,554.50
Total this Phase:				\$4,554.50

Total this Invoice \$11,391.30

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Periodic Evaluation of the Indian Wells Valley Basin Groundwater Sustainability Plan and Potential Groundwater Sustainability Plan Amendments

June 12, 2024



1

2020 GSP Projects & Management Actions

- Projects investigated in development of the Groundwater Sustainability Plan (GSP):
 - Recycled Water – determined to be economically infeasible
 - Brackish Water – determined to be infeasible
 - Los Angeles Department of Water and Power (LADWP) Pipeline/Inyo Supply – determined to be infeasible
 - Surface percolation/banking – determined to be infeasible (highly insufficient percolation rate)
 - Import Supply of treated water from Antelope Valley-East Kern Water Agency (AVEK) – determined to be feasible
- Voluntary pumping reductions
 - Implemented through transient pool
- **NO OTHER PROJECTS HAVE BEEN SUBMITTED TO THE GA FOR REVIEW**



2

2020 GSP Projects & Management Actions

- Import Supply is required because current domestic needs exceed basin supply
- Even with optimization of recycled supplies, current domestic demands exceeds the water supply
- Supply from AVEK has been determined to be the only feasible option



3

2020 GSP Projects & Management Actions

- Management actions investigated:
 - Water banking in the basin
 - Percolation Study – surface banking infeasible (insufficient percolation rate)
 - Injection Wells – Operating costs outweigh the benefit
 - Direct Use by Water District – Can provide In Lieu recharge at times (cheapest operating costs)
 - Basin Pumping Optimization
 - Modifications to IWVWD pumping fields – determined to be infeasible by the IWVWD
 - Shallow Well Mitigation Program – implemented
 - Shallow Well Consolidation –
 - \$3 million grant received – implementation at beginning phases
 - El Paso



4

2025 Periodic Evaluation

- Serves as a thorough assessment of how the Groundwater Sustainability Plan (GSP) is performing, modifications made along the way, and whether amendments are necessary
 - The Periodic Evaluation determines and leads to amendments to the GSP, if needed
 - Must address Recommended Corrective Actions (RCAs)
- Required at least every 5 years from the submittal of initial GSP and every time a GSP amendment is made
 - Indian Wells Valley GSP Periodic Evaluation due January 31, 2025



5

2025 Periodic Evaluation

- Outline of document provided in guidelines:
 - Executive Summary
 - New Information Collected
 - Groundwater Conditions relative to Sustainable Management Criteria
 - Status of Projects and Management Actions
 - Basin Setting Based on New Information or Changes in Water Use
 - Monitoring Networks
 - GSA Authorities and Enforcement Actions
 - Outreach, Engagement, and Coordination with Other Agencies
 - **Summary of Proposed or Completed Revisions to Plan Elements**



6

Plan Amendment

- Process to formally revise the GSP if deemed necessary by the Groundwater Sustainability Agency (GSA)
 - There is no requirement to update the GSP every 5 years
 - All amendments to GSP are at the discretion of the GSA
 - All amendments to GSP are limited to items that the Periodic Evaluation shows need to be modified
 - Regulatory requirements must still be followed when a Plan Amendment is submitted
- Submittal Requirements:
 - Must follow public noticing requirements, be adopted by the board, and submitted to the Department of Water Resources (DWR) for review
 - Must be accompanied with a Periodic Evaluation
 - Basin's monitoring network must be updated to reconcile the information in the SGMA Portal with that of the amended GSP



7

Potential GSP Amendments

- Only the GSP sections required to be updated based on the Periodic Evaluation will be revised in the 2025 GSP Plan Amendment.

Periodic Evaluation

- Significant New Information Collected
 - Water Quality data
 - Airborne Electromagnetic (AEM) Data
 - Groundwater Dependent Ecosystems (GDE) Data
 - Hydrogeologic Data
 - PAC Input on C&O Plan
- RCAs
- Title XVI Report – Recycled Water Project

Potential GSP Amendments

- Basin Setting
 - Updated Hydrogeology Conceptual Model and Groundwater Model
 - El Paso Management Area
 - Updated Water Budgets
 - Communication and Outreach
- Sustainable Management Criteria
 - Water Quality
 - El Paso Management Area
- Communication and Outreach
- Water Budgets
- Monitoring Networks
- Contingency Plan
- Projects and Management Actions
 - Update Description and schedule for Imported Water Project
 - Update Status of Recycled Water Project
 - Update Transient Pool description and schedule



8

Schedule

- Periodic Evaluation and Plan Amendment submittal by January 31, 2025
 - Draft Periodic Evaluation sections will be individually released as they are completed
 - **First section distributed for review – New Information Collected**
 - Public comments on draft due by June 17, 2024
- GSP amendments simultaneously worked on alongside Periodic Evaluation
 - Revisions to relevant Plan Amendment chapters corresponding to Periodic Evaluation sections will follow the release of the draft Periodic Evaluation section and receipt of comments



9

Schedule of Periodic Evaluation Section Draft Releases

New Information Collected	May 2024
Monitoring Networks	June 2024
Outreach, Engagement, and Coordination with Other Agencies	June 2024
GSA Authorities and Enforcement Actions	June 2024
Groundwater Conditions Relative to Sustainable Management Criteria	July 2024
Basin Setting Based on New Information/Changes in Water Use	July 2024
Status of Projects and Management Actions	August 2024



10

Schedule of Submittal Process

Complete Draft Periodic Evaluation Released	September 2, 2024
Complete Draft Plan Amendment Released	September 30, 2024
Periodic Evaluation Comment Period	September 3, 2024 – October 7, 2024
Plan Amendment Comment Period	October 1, 2024 – November 4, 2024
Final Periodic Evaluation for Board Approval	November 13, 2024
Final Plan Amendment for Board Approval	January 8, 2024
Submittal to DWR	January 31, 2025



11

DWR Periodic Review

- DWR will issue a written assessment and make a determination of the status of the GSP as Approved, Incomplete, or Inadequate
- DWR may issue new RCAs



12

Accessing Guidelines

- [Guide to Annual Reports, Periodic Evaluations, & Plan Amendments](#)
 - <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/GSP-Implementation-Guidance-Report.pdf>
- [Guidelines FAQ](#)
 - <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Groundwater-Management/Sustainable-Groundwater-Management/Best-Management-Practices-and-Guidance-Documents/Files/GSP-Implementation-Guidance-Report-FAQ.pdf>



13

Groundwater Modeling Activities

- 2020 GSP Modeling Group was a modeling ad hoc subset of the Technical Advisory Committee (TAC) and consisted of Tim Parker (IWWWD), Stephan Bork (Navy), Eddy Teasdale (Meadowbrook), Don Decker (Domestic water users representative), Jenny Chapman (Desert Research Institute - DRI), Water Resources Manager (WRM)
- Navy required a Configuration Management Plan for Navy participation in the modeling processes of the Model that was developed by DRI under contract with the Navy
 - Required a Technical Modeling Group consisting of experts knowledgeable in modeling, geology, and hydrogeology to provide support during the modeling processes
- Current Technical Modeling Group (TMG) consists of Donna Ogilvie (Navy), Susan Rybarski and Steven Bacon (DRI), Emma Lynch (BLM), WRM, Don Decker (geologist/TAC)
- The TMG has been meeting since May 2022 to evaluate new information and support updating of the groundwater model.
- The updated model has been calibrated.
- Potential modeling scenarios are currently being evaluated.



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Modeling Scenarios

- Baseline scenario has been run
- Pumping files for 2025 Implementation Pumping scenario being developed
 - Updated with recent court filings and IWWVD's 2020 UWMP
- Based on the results of the 2025 Implementation Pumping scenario, additional modeling runs will be made.
- The approach for Climate Change scenarios has been developed.
- "No GA" Model Run.

Note
A Water Year (WY) runs from Oct. 1 through Sep. 30



15

Modeling Scenarios – Baseline

- Indian Wells Valley Water District (IWWVD) pumping to follow their 2020 Urban Water Management Plan (UWMP) projected pumping
- Navy: 2,041 AFY – Navy requested for planning purposes
- Domestic pumpers: 832 AFY, growth rate mirrors IWWVD
- Inyokern CSD: growth rate mirrors IWWVD
- Assumes averages of Water Year (WY) 2020-2023 pumping for all other pumpers and to continue statically



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Modeling Scenarios – 2040 “No GA”

- Indian Wells Valley Water District (IWWVD) pumping to follow their 2020 Urban Water Management Plan (UWMP) projected pumping
- Navy: 6,503 AFY – Navy’s water right
- Court disclosures for SVM/Trona, Meadowbrook, Mojave, City, County, Inyokern CSD
- Small Ag: combined court disclosures and average WY 2020-2023 pumping to continue statically
- Mutuals/Co-ops average WY 2020-2023 pumping to continue statically
- Domestic pumpers: 832 AFY, growth rate mirrors IWWVD UWMP average



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Modeling Scenarios – 2025 GSP – Implementation Pumping Plan 1

- Indian Wells Valley Water District (IWWVD) pumping to match 2020 Urban Water Management Plan (UWMP) projected pumping, then reduced to meet sustainable yield (7,650 AFY)
- Navy: 2,041 AFY – Navy requested for planning purposes
- SVM/Trona: pumping occurs at wells but in lieu recharge is used for offset
- Domestic pumpers: 832 AFY, growth rate mirrors IWWVD UWMP average
- Inyokern CSD: growth rate mirrors IWWVD UWMP average
- Mutuals/Co-ops: average of WY 2020-2023 pumping to continue statically
- Assumes averages of Water Year (WY) 2020-2023 pumping for all other pumpers and to continue statically
- Transient Pool finished by 2026
 - All ag pumpers not in transient pool to stop pumping
- Imported Water available in 2030



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Modeling Scenarios – 2025 GSP – Implementation Pumping Plan 2

- IWVWD pumping to match 2020 UWMP projected pumping, then reduced to meet sustainable yield
- Navy: 2,041 AFY – Navy requested for planning purposes
- SVM/Trona: pumping occurs at wells but in lieu recharge reflects 1,200 AFY pre-Navy right
- Domestic pumpers: 832 AFY, growth rate mirrors IWVWD UWMP average
- Inyokern CSD: growth rate mirrors IWVWD UWMP average
- Mutuals/Co-ops: average of WY 2020-2023 pumping to continue statically
- Assumes averages of Water Year (WY) 2020-2023 pumping for all other pumpers and to continue statically
- Transient Pool finished by 2026
 - All ag pumpers not in transient pool to stop pumping
- Imported Water available in 2030



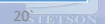
19

Modeling Scenarios – 2040 “No GA” Pumping

2040 “No GA” Pumping			
	2040 Pumping Demands* (AF)	% of Total Pumping	Assumptions
IWVWD	7,830	17.8%	UWMP
Trona	160	0.4%	Court disclosure – 2023 pumping
SVM	2,551	5.8%	Court disclosure – 2023 pumping assumed to remain static
Navy	6,503	14.8%	Navy’s Water Right
Meadowbrook	10,995	25.0%	Assumed highest water use/acre (2011-2020) for all currently owned acreage
Mojave	12,109	27.6%	Assumed future water demand/acre for all currently owned acreage
Small Ag	1,767	4.0%	Court disclosures and current average WY 2020-2023 pumping
City	325	0.7%	Court disclosure - to include currently underway park expansions
County	24	0.1%	Assumed highest recent annual pumping contained in court disclosure and pumping to remain static
Inyokern CSD	228	0.5%	Court disclosure
Mutuals/Co-ops	414	0.9%	WY 2020-2023 average pumping**
Domestic	1,003	2.3%	Growth rate mirrors IWVWD UWMP average
TOTAL	43,909		

* Pumping Demands reflects actual water pumped from wells

** WY 2023 was a very wet year, WY 2020-2023 averages may not reflect true average pumping



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Modeling Scenarios – 2025 GSP – Implementation Pumping Plan 1 & 2 2025 Pumping

2025 Current Demands			
	2025 Pumping Demands* (AF)	% of Total Pumping	Assumptions
IWVWD	6,930	31.1%	UWMP
SVM & Trona	2,544	11.4%	WY 2020-2023 average**
Navy	2,041	9.1%	Requested by Navy for planning purposes
Meadowbrook	4,352	19.5%	WY 2020-2023 average**
Mojave	3,561	16.0%	WY 2020-2023 average**
Small Ag	1,043	4.7%	WY 2020-2023 average**
City	325	1.5%	Court disclosure - to include currently underway park expansions
County	22	0.1%	WY 2020-2023 average**
Inyokern CSD	205	0.9%	WY 2020-2023 average**
Mutuals/Co-ops	414	1.9%	WY 2020-2023 average**
Domestic	872	3.9%	Growth rate mirrors IWVWD UWMP average
TOTAL	22,309		

* Pumping Demands reflects actual water pumped from wells

** WY 2023 was a very wet year, WY 2020-2023 averages may not reflect true average pumping



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Modeling Scenarios – 2025 GSP – Implementation Pumping Plan 1 & 2 2030 Pumping

2030 Current Demands			
	2030 Pumping Demands* (AF)	% of Total Pumping	Assumptions
IWVWD	1,186	15.5%	IWVWD pumping reduced to remainder of sustainable yield
SVM	2,544	33.3%	WY 2020-2023 average**
Navy	2,041	26.7%	Requested by Navy for planning purposes
Meadowbrook	0	0.0%	Transient exhausted by 2026
Mojave	0	0.0%	Transient exhausted by 2026
Small Ag	0	0.0%	Transient exhausted by 2026
City	325	4.2%	Court disclosure - to include currently underway park expansions
County	22	0.3%	WY 2020-2023 average**
Inyokern CSD	205	2.7%	WY 2020-2023 average**
Mutuals/Co-ops	414	5.4%	WY 2020-2023 average**
Domestic	913	11.9%	Growth rate mirrors IWVWD UWMP average
TOTAL	7,650		

* Pumping Demands reflects actual water pumped from wells

** WY 2023 was a very wet year, WY 2020-2023 averages may not reflect true average pumping



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IWVGA ADMINISTRATIVE OFFICE

STAFF REPORT

TO: IWVGA Board Members

DATE: June 12, 2024

FROM: IWVGA Water Resources Manager

SUBJECT: AGENDA ITEM 11 – WATER RESOURCES MANAGER’S REPORT

AGENDA ITEM 11a – GRANT FUNDING UPDATE

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 and resubmitted on May 18 per DWR’s request. DWR has approved the retention invoices and is processing payment.
- Post-performance report was submitted on 3/29/24

SGMA Implementation Round 1 Update

- Invoice #3
 - Covers January 2023 through March 2023
 - Total requested payment: \$417,072.61
 - Comments received from DWR on initial submittal
 - Status: Payment received
- Invoice #4
 - Covers April 2023 to June 2023
 - Total requested payment: \$1,061,117.14
 - Comments received from DWR on initial submittal
 - Status: Payment received
- Invoice #5
 - Covers July 2023 to September 2023
 - Total requested payment: \$851,669.63
 - Comments received from DWR on initial submittal
 - Status: Payment received
- Invoice # 6
 - Covers October 2023 to December 2023
 - Total requested payment: \$626,069.10
 - Status: Payment received
- Invoice # 7
 - Covers January 2024 to March 2024
 - Total requested payment: \$584,148.88
 - Status: Submitted May 31, 2024

Urban Community Drought Relief Program Update

- The IWVGA has been awarded \$3,345,000 to consolidate shallow well system(s) into a public water system.
- DWR has executed the grant agreement.
- Potential systems/wells for consolidation in areas near impacted shallow wells are being further investigated.
 - Dune III Extension area
 - Consists of several de minimis well pumpers
 - GA staff have reached out to IWVWD to discuss coordination and collaboration of the design
 - IWVWD's design and plans for the Dune III area are complete
 - Ongoing discussion with IWVWD on collaboration with Dune III to incorporate Dune III extension area. Bid phase for IWVWD Dune III Consolidation to occur in Fall 2024
 -
 - Hometown Water Association
 - Small water system located in the China Lake Acres area
 - Consists of one 325 ft deep groundwater well
 - Serves approximately 25 customers through 12 service connections
 - Drilled in 1978
 - System is currently unable to financially keep up with the operation, maintenance, and reporting requirements for the system
 - IWVWD Consolidation Project to be completed in-house
 - Project estimated cost: \$270,066
 - Project completion time: 4 months
 - Rademacher
 - Poor water quality (arsenic, minerals, and salts) in the Rademacher area
 - A shared well drilled in 2016 has 5 total connections
 - One family currently receiving emergency bottled water assistance and another is hauling water
 - Cornerstone Engineering developed plans to consolidate water supply from IWVWD, however project was never completed
 - Ongoing discussions with Rademacher residents for interest in consolidation
- Invoice # 1
 - Covers July 2022 to March 2024
 - Total requested payment: \$12,553.75
 - Status: Payment Received

2023 Drinking Water System Infrastructure Resilience and Sustainability Program

Staff submitted an application for federal funding on November 6, 2023 for approximately \$2.8 million to fund planning, design, environmental, and right-of-way tasks for the Imported Water Project. Funding awards are anticipated to be announced in Summer 2024.

AGENDA ITEM 11.b – GSP IMPLEMENTATION PROJECTS/MANAGEMENT ACTION UPDATES

Imported Water Project

- Imported Water Pipeline Design Services
 - Coordination Meetings:
 - Bi-weekly meetings with BLM
 - Draft Plan of Design in compliance with the BLM's Desert Renewable Energy Conservation Plan being updated to include Mojave Tank Alignment
 - Preparing an updated SF-299 Application to obtain a Special Use Permit to include Mojave Tank Alignment
 - BLM provided the Geotech Special Use Permit for P&P to begin geotechnical borings with cultural and biological monitoring on BLM land
 - Obtained an encroachment permit from Kern County
 - Borings scheduled to begin the week of June 10
 - Continuing coordinating approval of mitigation measures for endangered species with California Department of Fish and Wildlife (CDFW)
 - CDFW approval of the mitigation measures for endangered species in the Lake and Streambed Alteration Permit (LSA) for the boring locations next to aquatic features is the critical path to getting geotechnical results
 - Coordinating a meeting with CDFW Fresno office on LSA comments
 - Continuing ongoing coordination with State Water Resources Control Board Division of Drinking Water (DDW), Caltrans, United Pacific Rail Road (UPRR), and Southern California Edison (SCE)
 - SCE reviewing Customer/ Project Information Sheet (CPIS) application
 - Coordinating an encroachment permit with UPRR for crossing along alignment near Highway 395 with application fee of \$755
 - Continuing soils borings in California City and Kern County right-of-way
 - Focusing on locations not adjacent to aquatic features until the California Department of Fish and Wildlife approves the Lake and Streambed Alteration Agreement
 - Continuing utility research and trenchless crossing identification
 - Working on scour analysis for the Cantil and Redrock Canyon drainage washes, in non-BLM land near Neuralia Rd and Redrock Randsburg Road
 - Continuing 60% Design level
 - Drafters completing pumpstation piping design and grading plans
 - Completing regulating tank design
 - Staff reviewing the updated draft Electrical System and Control Strategy TM
 - Conducted meeting with AVEK and WRM Staff on May 24 on design considerations of upstream hydraulics and constraints
 - Next Steps:
 - Provide the System Hydraulics and Transient Mitigation Analysis TM
 - Provide the updated Preliminary Permitting Requirements TM per Staff comments
 - Complete soil borings in focus areas outside of locations adjacent to aquatic features

- Complete updated SF-299 Application to obtain Special Use Permit to include Mojave Tank Farm alignment
 - Obtain encroachment permit with UPRR for crossing near Highway 395
 - Next Milestones
 - Obtain CDFW approval of the mitigation measures for Lake and Streambed Alteration Permit for soil borings next to aquatic features
 - Provide 60% Design Submittal by August 2024
- Imported Water Pipeline Environmental Services
 - Coordination Meetings
 - Weekly meetings with BLM
 - Continuing additional biological survey requirements from BLM
 - South Environmental (SE) subconsultants completed biological surveys along Mojave Tank Farm Alignment
 - SE continuing botany surveys in Mohave Tank Farm alignment
 - Scheduled to begin biological and cultural monitoring of borings on BLM land during the week of June 10
 - BLM continuing review of the NEPA Public Scoping Period Summary Report
 - Drafting updated EA sections based on comments provided by BLM
 - Final Draft Cultural Report being prepared
 - Continuing coordination with AVEK on Mojave Tank Farm Alignment
 - Conducted meeting with AVEK on May 23 for coordination of surveys along the North Feeder pipeline
 - Coordinating with U.S. Department of Defense (DOD) for surveying alignment within AVEK's easement in DOD Edwards Airforce Base land
 - Air Quality, Greenhouse Gas, Energy, and Noise subconsultant initiating models and tasks
 - Conducted meeting on May 20 with United States Fish and Wildlife Service, BLM, and GA/ WRM Staff to discuss requirements in order to obtain an Incidental Take Permit
 - USFWS internally discussing need for Habitat Conservation Plan, Biological Opinion, or other plans
 - Follow up meeting scheduled for June 10 to coordinate on next steps
 - Next Steps:
 - Finalize draft Environmental Impact Report, and BLM Environmental Assessment
 - Provide draft EA for 45- day Public Comment Period by early November
 - Next Milestones:
 - Finalize NEPA compliance for geotechnical borings and environmental surveys/ studies within BLM property
 - Complete all technical analyses/ Special Studies within BLM land and along Mojave Tank Farm Alignment
- Imported Water Pipeline Right-of-Way Services
 - Continue obtaining Rights of Entry from property owners along the pipeline alignment to allow performance of biological/technical studies and geotechnical

- borings
 - Staff reviewing draft Right of Way Acquisition Plan
 - Next Milestone:
 - Provide a final Right of Way Acquisition Plan by June 2024
- Submittals to DWR
 - Submit Initial Study due September 1, 2024
 - Continuing monthly coordination meetings with DWR on IP Grant progress
- US Army Corps of Engineers Planning Assistance to States (PAS) Program
 - USACE Staff reviewing final proposed project list to start the development of an agreement with Army Corps
 - GA Staff conducted internal coordination meeting to support development of an agreement with Army Corps
 - Next Steps:
 - Execute an agreement with Army Corps

Shallow Well Mitigation Program

Impacted Shallow Wells	Evaluation Status
Stark Street	Application approved for partial funding. Completed
Heritage	Application Declined. Completed
Byerly	Application approved for partial funding. Completed
Halpin	Application approved for partial funding. Completed
Rademacher	Water Quality. Directed to the Shallow Well Mitigation Program and Capital Core. Kern County researching funding. Possible use of new DWR Consolidation Grant.

GSP Periodic Evaluation and Amendment

- Draft Releases
 - First draft section of Periodic Evaluation distributed to TAC, interested parties, and posted to GA website.
 - Comments due June 17, 2024.

Revised Periodic Evaluation Schedule of Draft Releases

New Information Collected	May 2024
GSA Authorities and Enforcement Actions	June 2024
Monitoring Networks	June 2024
Outreach, Engagement, and Coordination	June 2024

Groundwater Conditions Relative to Sustainable Management Criteria	July 2024
Basin Setting Based on New Information/Changes in Water Use	July 2024
Status of Projects and Management Actions	August 2024
Full Draft Periodic Evaluation	August 2024

Revised Submittal Process Schedule

Complete Draft Periodic Evaluation Released	September 2, 2024
Complete Draft Plan Amendment Released	September 30, 2024
Periodic Evaluation Comment Period	September 3, 2024 – October 7, 2024
Plan Amendment Comment Period	October 1, 2024 – November 4, 2024
Final Periodic Evaluation for Board Approval	November 13, 2024
Final Plan Amendment for Board Approval	January 8, 2025
Submittal to DWR	January 31, 2025

2023 Annual Report

WY 2023 Annual Report

- Comments on the draft WY 2023 Annual Report were due to the WRM by February 2, 2024.
 - Comments were provided by Mohave Pistachio, LLC and Searles Valley Minerals Inc.
- The draft WY 2023 Annual Report and comments are available on the IWVGA website.
- The final WY 2023 Annual Report was provided at the IWVGA March Special Board Meeting and was due to DWR on April 1, 2024.
- WY 2023 Annual Report was successfully submitted to DWR on March 29, 2024
- May 24, 2024 DWR sent IWVGA a letter accepting WY 2023 Annual Report as submitted and stated the report largely satisfies the requirements of the GSP Regulations.

AGENDA ITEM 11c – MISCELLANEOUS ITEMS

Data Collection and Monitoring

- Staff continued to process depth-to-water and groundwater elevation data from the Spring 2024 groundwater monitoring event.

GSP Model Configuration Management Plan (CMP)

- Technical Model Group (TMG)
 - TMG includes the Navy, TAC representatives, DRI, and Stetson
 - Dec 6, 2023, DRI/Stetson working call to review model updates
 - Dec 18, 2023, TMG meeting/call reviewed and finalized structural model components: faults, model boundaries, clay extents, discussed aquifer properties, evapotranspiration, and groundwater pumping

- Jan 12, 2024, TMG meeting/call discussed mountain front recharge distribution and aquifer connectivity
- Jan 30, 2024 TMG meeting/call reviewed modeling progress with recharge distribution, hydraulic conductivity zones, and calibration
- Mar 5, 2024, TMG meeting/call to review LADWP Releases Data and modelling progress
- Mar 18, 2024 TMG meeting/call to review Rose Valley hydrogeology and modeling progress
- April 2, 2024 TMG meeting/call to review baseline pumping, Scenario 6.2 and modeling progress
- April 16, 2024 TMG meeting/call to discuss calibration results, model scheduling and baseline
- April 23, 2024 DRI/Stetson working call to discuss calibration statistics, model sensitivity, water budgets
- April 30, 2024 TMG meeting/call to review baseline modeling results, configuration item list revisions, and basin water quality analysis
- May 10, 2024 DRI/Stetson working call to discuss approach to climate change scenario modeling
- As of May 15, 2024 model is essentially calibrated and the modeling group is working on model scenarios
- May 17, 2024 TMG meeting/call to discuss baseline and scenario modeling assumptions and climate change scenario modeling approach
- June 4, 2024 TMG meeting/call to review baseline modeling and scenario modeling assumptions
- Spring 2024 Schedule
 - Sensitivity analysis
 - Development of GSP model scenarios and water budgets
 - Biweekly TMG meetings to be scheduled to monitor modeling progress

Subflow from Rose Valley to IWV

- Ongoing work with BLM regarding Cultural Survey and Permitting for second monitoring well

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: Michael W. McKinney, Capitol Core Group

cc: Keith Lemieux, Counsel IWVGA
Phillip Hall, Counsel, IWVGA
Steve Johnson, Stetson Engineers
Jeff Simonetti, Capitol Core Group
Todd Tatum, Capitol Core Group

Date: June 12, 2024

Subject: May 2024 Project Update

The following will provide activities and updates for May 2024.

Task 1: Imported Water Supplies

In May, Capitol Core continued to work with our potential water suppliers and transfer partners to determine a pathway forward on getting imported water into the basin. We are currently working on pricing, terms and conditions for these water supplies and how we will receive physical deliveries. These negotiations involve multiple parties and are ongoing.

Task 2: Interconnection Pipeline Project

UPDATE: PRIORITY: *Water Resources Development Act of 2024 (Senate Version/S. 4367)*

The United States Senate Committee on Environment and Public Works has approved the authorization of the Indian Wells Valley Groundwater Authority's interconnection pipeline project. This project would bring imported water supplies to the Indian Wells Valley to meet sustainability requirements. If approved by Congress, the authorization would allow the U.S. Army Corps of Engineers to work with IWVGA to construct the project over a ten-year period beginning in 2025.

Senator Alex Padilla (D-CA) sponsored the authorization in the biennial Water Resources Development Act ("WRDA"). Considered by Congress a must-pass bill, WRDA provides the U.S. Army Corps of Engineers with Congressional authority to work on civil public works projects. Initially authorized funding for the project, totaling \$5 million, will be utilized to complete environmental permitting, provide environmental mitigation, and purchase necessary rights-of-way through the end of 2026. Congress will need to provide additional authorized amounts for physical construction. IWVGA has sought federal and State funding to defer required infrastructure costs associated with implementing the Sustainable Groundwater

Management Act (SGMA) and help ensure continued water resources in the basin. Work is ongoing to secure a similar authorization in the U.S. House of Representatives version of WRDA. The legislation is expected to receive final action by Congress in the fall of 2024.

Task 3: Other Projects Supporting the GSP

UPDATE: PRIORITY: *Energy & Water Development Act for Fiscal Year 2025*

To meet Congressional deadlines, Capitol Core has submitted a Community Project Funding Request (referred to prior as “earmarks”) in the amount of \$1.6 million to the *Energy & Water Development Appropriations Act for Fiscal Year 2025 (E&WD FY25)*. Representative Obernolte has approved the request to re-program the authorized amounts provided under the *E&WD FY23* to fund U.S. Army Corps of Engineers (USACE) assistance for watershed management planning (“GSP Updates”), validation of specific studies, including basin percolation and GSP findings validation, and water resource planning. The request replaces the Planning Assistance to States application for USACE assistance for interconnection pipeline planning activities that were not permitted due to SGMA-IP funding timelines required by DWR. The request is pending with the Chairman for final approval.

Federal Legislative Updates

NEW REPORT: PRIORITY: *HR 8070: Service Member Quality of Life Act and the National Defense Authorization Act for Fiscal Year 2025 (NDAA-25)*

Provides Authorization to the Department of Defense for Fiscal Year 2025. Section 2082 of the legislation provides public agencies with grants to carry out specific quality-of-life programs, including education, workforce training, tailing spouse employment, childcare, afterschool programs, post-military employment training, counseling, and mental health. The City of Ridgecrest has requested an amendment to the proposal expanding mental health to cover “rural health care facilities.” City-requested amendments are under consideration. The bill very broadly defines workforce support and installation resilience. Ancillary impact to the Groundwater Authority. Differs from DCIP by providing funding through the Military Construction process (“MILCON”).

The bill has been reported by the House Armed Services Committee and is now pending on the House Floor.

NEW REPORT: *Mojave Desert Sentinel Landscape*

As part of the interconnection project, the IWVGA will likely have to mitigate for protected species including the Desert Tortoise and Mojave Ground Squirrel. Capitol Core has worked collaboratively with the IWVGA engineering team as well as the base command at China Lake to determine potential pathways to secure funding for this mitigation requirement. There is a new program called the Mojave Desert Sentinel Landscape that was just formed in May and may be able to assist us with our mitigation requirements. Please see the link [here](#) for more information and a map on the project boundaries.

The program is a multi-agency collaboration including the Department of Defense, Department of Agriculture, Department of the Interior and multiple state partners to address the issues of recovering threatened or endangered species, restoring habitat and managing watersheds to address climate change. The boundary of the project area abuts the installations in our region (China Lake, Edwards AFB, Fort Irwin, MCLB Barstow and 29 Palms) and encompasses approximately 3.5 million acres of land, including a portion of the proposed right of way for the interconnection project. While there are other Sentinel Landscapes across the US, the Mojave Desert Sentinel Landscape was just formed in May. Due to its very recent formation, Capitol Core is still assessing the potential pathways for ways to address endangered species mitigation for our project. We will report back to the public once we have further information if there is a potential pathway forward.

Bill Tracking Report:

The legislative tracking report is updated with all actions through May 31, 2024 and has been submitted separately to this report.

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