

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, April 14, 2021

Closed Session 10:00 a.m.

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

NOTICE: *In accordance with the evolving public health declarations, we are temporarily limiting public attendance to virtual alternatives only. Please see the Public Comment Notice below for detailed instructions on submitting public comment as well as websites for livestream broadcasting. Telephonic participation by the majority of Board Members and staff is expected.*

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.

Due to the length of the agenda, one or more recesses should be expected.

1. CALL TO ORDER

2. PUBLIC COMMENT ON CLOSED SESSION

3. CLOSED SESSION

- CONFERENCE WITH REAL PROPERTY NEGOTIATIONS –
(Government Code Section 54956.8) - Property: State Water Project Importation;
Agency Negotiator: Capitol Core Group; Negotiating Parties: Various; Under
Negotiation: Price and terms of payment.
- CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
(Government Code Section 54956.9(b)) - Number of cases: (2)
- CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
(Government Code Section 54956.9): IWVGA v. Frank Bellino (BCV-21-100415)

- 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.

- 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.

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

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

5. PUBLIC COMMENTS

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

6. CONSENT AGENDA

- a. Approve Minutes of Board Meeting March 10, 2021
- b. Approve Minutes of Special Board Meeting March 31, 2021
- c. Approve Expenditures
**To view itemized invoices please visit <https://iwvga.org/iwvga-meetings>*
 - i. \$142,134.41 – Stetson Engineers (February & March) (Prop. 1 Grant)
 - ii. \$2,320.00 – Regional Government Services (Extraction Fee / Replenishment Fee)
 - iii. \$23,831.25 – Capitol Core Group (February & March) (Replenishment Fee)
 - iv. \$5,250.00 – WaterWise Consulting – (Prop. 1 Grant – SDAC)
 - v. \$24,443.66 – California Rural Water Association (Prop. 1 – SDAC)

7. WATER RESOURCES MANAGER REPORT

- a. Proposition 1 Grant Status Update
- b. Proposition 68 Grant Status Update
- c. New Proposition 68 Grant Funding Application
- d. Recycled Water Program Update
- e. Navy/COSO Royalty Fund 2021 Project(s)
- f. GSP Planned Projects – Project No. 4 Shallow Well Impact Mitigation Program Update
- g. GSP Planned Projects – Project No. 1 Surface Percolation Replenishment Update
- h. Preliminary CY 2021 Sustainable Yield Allotments
- i. GSP Annual Report

8. BOARD CONSIDERATION AND APPROVAL OF THE SHALLOW WELL IMPACT MITIGATION REPORT FORM (Steve Johnson)

9. GENERAL MANAGER’S REPORT

- a. Monthly Financial Update
- b. Report on IWVGA’s Water Marketer (Capitol Core Group)
- c. Severely Disadvantaged Communities (SDAC) Programs Update
- d. Delinquent Accounts

10. CLOSING COMMENTS

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

11. DATE OF NEXT MEETING – May 12, 2021

12. ADJOURN

PUBLIC COMMENT NOTICE

On March 17, 2020, Governor Newsom issued Executive Order N-29-20, relating to the convening of public meetings in light of the COVID-19 pandemic. At this time, the Indian Wells Valley Groundwater Authority is continuing to hold board meetings in order to conduct essential business. However, as suggested by the Center for Disease Control and set forth in the Executive Order, we are temporarily limiting public attendance through the following virtual alternatives:

- **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, March 10, 2021; 10:00 a.m.

IWVGA Members Present:

Chairman Scott Hayman, City of Ridgecrest	Carol Thomas-Keefer, IWVGA General Manager
Phillip Peters, Kern County	Keith Lemieux, Legal Counsel
Stan Rajtora, IWVWD	Steve Johnson, Stetson Engineers
John Vallejo, Inyo County	Commander Peter Benson, US Navy, DoD Liaison
Tim Itnyre, San Bernardino County	April Keigwin, Clerk of the Board
Thomas Bickauskas, Bureau of Land Management	

Attending via teleconference is Tim Itnyre, John Vallejo, Phillip Peters, Carol Thomas-Keefer, Steve Johnson, Keith Lemieux, Commander Peter Benson, and Thomas Bickauskas.

Meeting recording and public comment letters submitted are made available at:

<https://iwvga.org/iwvga-meetings/>

1. CALL TO ORDER:

The meeting is called to order by Chairman Hayman at 10:00 a.m.

2. PUBLIC COMMENT ON CLOSED SESSION:

None.

Chairman Hayman calls the meeting into Closed Session at 10:01 a.m.

3. CLOSED SESSION:

- CONFERENCE WITH REAL PROPERTY NEGOTIATIONS – (Government Code Section 54956.8) - Property: State Water Project Importation; Agency Negotiator: Capitol Core Group; Negotiating Parties: Various; Under Negotiation: Price and terms of payment.
- CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION (Government Code Section 54956.9(b)) - Number of cases: (2)
- CONFERENCE WITH LEGAL COUNSEL – INITIATION OF LITIGATION (Government Code Section 54956.9(c)) - Number of cases: (3)
- 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.
- 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.

Closed Session adjourned at 11:04 a.m.

4. OPEN SESSION:

Meeting reconvenes into Open Session at 11:06 a.m.

- a. Report on Closed Session:
Counsel Lemieux reports no action was taken that would require disclosure under the Brown Act. Lemieux states Closed Session will reconvene after the meeting to discuss the litigation items.
- b. The Pledge of Allegiance is led by Chairman Hayman
- c. April Keigwin calls the following roll call:

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

5. PUBLIC COMMENT:

The Board hears public comment from John Kersey and Renee Westa-Lusk.

6. CONSENT AGENDA:

- a. Approve Minutes of Board Meeting February 10, 2021
- b. Approval of Resolution No. 02-21 Appointing Charlotte Baldwin as TAC representative for U.S. Navy, DoD Liaison
- c. Approve Expenditures
 - i. \$1,000.00 – Brown Armstrong – (Extraction Fee)
 - ii. \$6,660.00 – WaterWise Consulting – (Prop. 1 Grant – SDAC)
 - iii. \$23,278.75 – California Rural Water Association – (Prop. 1 Grant – SDAC)

Motion made by Stan Rajtora and seconded by Phillip Peters to approve Minutes of Board Meeting February 10, 2021, Resolution No. 02-21 and the following expenditures in the amount of \$1,000.00 to Brown Armstrong, \$6,660.00 to WaterWise Consulting, and \$23,278.75 to California Rural Water Association.

Motion carries by the following roll call vote:

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

7. BOARD CONSIDERATION AND ADOPTION OF RESOLUTION 03-21 READOPTING AND AMENDING THE BYLAWS TO REFLECT CHANGE OF ADDRESS:

Counsel Lemieux provides a staff report and Resolution 03-21 (documents made available on the IWVGA website).

Motion made by Phillip Peters and seconded by Stan Rajtora to approve Resolution 03-21 readopting and amending the Bylaws to reflect change of address.

Motion carries by the following roll call vote:

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

8. BOARD CONSIDERATION AND APPROVAL OF GSP PLANNED PROJECTS PROJECT NO. 1 - SURFACE PERCOLATION REPLENISHMENT AND PILOT/DEMONSTRATION:

Steve Johnson and Steve Reich provide a staff report and presentation detailing the Surface Percolation Replenishment and Pilot/Demonstration Project (documents made available on the IWVGA website).

The Board hears public comment from Renee Westa-Lusk.

Motion made by Phillip Peters and seconded by Scott Hayman to approve GSP planned project No. 1 - Surface Percolation Replenishment and Pilot/Demonstration.

Motion carries by the following roll call vote:

Chairman Hayman	Aye
Vice Chair Rajtora	Nay
Director Itnyre	Aye
Director Peters	Aye
Director Vallejo	Aye

9. BOARD CONSIDERATION AND POSSIBLE APPROVAL OF VARIANCE REQUEST PER ORDINANCE NO. 04-20 BY J. FREEMAN:

Joseph Montoya from Stetson Engineers presents a staff report describing the circumstances of the request for variance (document made available on the IWVGA website).

Motion made by Phillip Peters and seconded by Tim Itnyre to approve the request for variance per Ordinance 04-20 by J. Freeman.

Motion carries by the following roll call vote:

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

10. WATER RESOURCES MANAGER REPORT:

Steve Johnson and Steve Reich provide updates on the following grants/programs: Prop. 1 Grant Status, Prop. 68 Grant Status, New Prop 68 Grant Funding Application, Recycled Water Program, Navy/COSO Royalty Fund 2021 Project(s), GSP Planned Projects – Project No. 4 Shallow Well Impact Mitigation Program, and Request for Annual Groundwater Extraction Report from NAWs China Lake (presentations made available on the IWVGA website).

The Board hears public comment from Renee Westa-Lusk and Kimberley Leefatt.

11. GENERAL MANAGER’S REPORT:

Ron Strand introduces Carol Thomas-Keefer, Regional Government Services (RGS) employee, who will serve as the IWVGA General Manager. Carol Thomas-Keefer introduces the additional RGS staff who will assist with IWVGA administrative needs, Jeff Kise and April Keigwin. Thomas-Keefer provides updates on the following: Monthly Financial Report, Report on IWVGA’s Water Marketer (Capitol Core Group), Severely Disadvantaged Communities (SDAC) Program, Delinquent Accounts, and Well Registration Update (documents made available on the IWVGA website).

The Board hears public comment from Kimberley Leefatt.

12. CLOSING COMMENTS:

Vice Chair Rajtora expresses desire to return to in person meetings.

Chairman Hayman recesses meeting at 12:38 pm.

Chairman Hayman calls the meeting into closed session at 12:45 p.m.

Chairman Hayman adjourns closed session at 1:20 p.m.

Chairman Hayman calls the meeting into open session at 1:20 p.m.

Chairman Hayman reports the Board met on the remaining four litigation items and states no action was taken that would require disclosure under the Brown Act.

13. DATE OF NEXT MEETING – April 12, 2021

14. ADJOURN:

Chairman Hayman adjourns the meeting at 1:21 p.m. on February 10, 2021.

Respectfully submitted,

April Keigwin
Clerk of the Board
Indian Wells Valley Groundwater Authority

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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, March 31, 2021; 12:00 p.m.

IWVGA Members Present:

Chairman Scott Hayman, City of Ridgecrest	Carol Thomas-Keefer, IWVGA General Manager
Phillip Peters, Kern County	Keith Lemieux, Legal Counsel
Stan Rajtora, IWVWD	Steve Johnson, Stetson Engineers
John Vallejo, Inyo County	Commander Peter Benson, US Navy, DoD Liaison
Tim Itnyre, San Bernardino County	April Keigwin, Clerk of the Board
Thomas Bickauskas, Bureau of Land Management	

Attending via teleconference is Tim Itnyre, John Vallejo, Phillip Peters, Carol Thomas-Keefer, Steve Johnson, Keith Lemieux, and April Keigwin.

Meeting recording and public comment letters submitted are made available at:

<https://iwvga.org/iwvga-meetings/>

1. CALL TO ORDER:

The meeting is called to order by Chairman Hayman at 12:00 p.m.

- a. The Pledge of Allegiance is led by Chairman Hayman
- b. April Keigwin calls the following roll call:

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

2. PUBLIC COMMENT ON CLOSED SESSION:

None.

Chairman Hayman calls the meeting into Closed Session at 12:02 p.m.

3. CLOSED SESSION:

- 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.
- 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.

Closed Session adjourned at 12:22 p.m.

Counsel Lemieux reports no action was taken that would require disclosure under the Brown Act.

4. DATE OF NEXT MEETING – April 14 , 2021

5. ADJOURN:

Chairman Hayman adjourns the meeting at 12:23 p.m. on March 31, 2021.

Respectfully submitted,

April Keigwin
Clerk of the Board
Indian Wells Valley Groundwater Authority

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Invoice

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

Invoice Number: 2652-43
Invoice Date: 03/25/21

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

Professional Services through 2/28/2021

Water Resources Management

02.01 - POAM No. 15,16 Prop 1 Grant Administration

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	2.75	\$200.00	\$550.00
Senior Associate	23.25	\$120.00	\$2,790.00
Associate III	44.00	\$105.00	\$4,620.00
<i>Professional Services Subtotal:</i>			\$7,960.00
			<u>Charge</u>
			\$178.00
			\$17.55
<i>Reimbursables Subtotal:</i>			\$195.55
<i>POAM No. 15,16 Prop 1 Grant Administration Subtotal:</i>			\$8,155.55

11.05 - POAM No. 78 Aquifer Tests

Sub-Contractors		<u>Charge</u>
Board of Regents		\$451.74
<i>Sub-Contractors Subtotal:</i>		\$451.74
<i>POAM No. 78 Aquifer Tests Subtotal:</i>		\$451.74

38 - 2021 SDAC Program Support: Water Auditt, Leak Detection & Repair

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$200.00	\$100.00
Associate III	0.50	\$105.00	\$52.50
<i>Professional Services Subtotal:</i>			\$152.50
<i>2021 SDAC Program Support: Water Auditt, Leak Detection & Repair Subtotal:</i>			\$152.50

40 - 2021 General Engineering

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	4.50	\$230.00	\$1,035.00
Supervisor I	2.75	\$200.00	\$550.00
Associate III	0.25	\$105.00	\$26.25
<i>Professional Services Subtotal:</i>			\$1,611.25
<i>2021 General Engineering Subtotal:</i>			\$1,611.25

41 - 2021 Production Reporting Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$200.00	\$200.00
Associate III	6.50	\$105.00	\$682.50
<i>Professional Services Subtotal:</i>			\$882.50



2021 Production Reporting Support Subtotal: \$882.50

42 - TSS Coordination: Drilling Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	3.50	\$230.00	\$805.00
Supervisor I	54.00	\$200.00	\$10,800.00
			<i>Professional Services Subtotal:</i>

TSS Coordination: Drilling Support Subtotal: \$11,605.00

44 - Coordination with DWR on GSP Review

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.75	\$200.00	\$150.00
			<i>Professional Services Subtotal:</i>

Coordination with DWR on GSP Review Subtotal: \$150.00

45 - 2021 Annual Report

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	6.25	\$200.00	\$1,250.00
Senior I	2.25	\$160.00	\$360.00
Senior Associate	4.25	\$120.00	\$510.00
GIS Manager	2.00	\$115.00	\$230.00
Associate III	2.25	\$105.00	\$236.25
Assistant I	52.75	\$95.00	\$5,011.25
			<i>Professional Services Subtotal:</i>

2021 Annual Report Subtotal: \$7,597.50

46 - 2021 Data Management System Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	0.50	\$230.00	\$115.00
Associate I	15.50	\$115.00	\$1,782.50
			<i>Professional Services Subtotal:</i>

2021 Data Management System Support Subtotal: \$1,897.50

47 - 2021 Allocation Plan: Allocation Process & Transient Pool Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	5.50	\$230.00	\$1,265.00
Supervisor I	1.00	\$200.00	\$200.00
Associate III	1.25	\$105.00	\$131.25
			<i>Professional Services Subtotal:</i>

2021 Allocation Plan: Allocation Process & Transient Pool Support Subtotal: \$1,596.25

51 - 2021 Meetings and Prep

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	21.50	\$230.00	\$4,945.00
Supervisor I	15.50	\$200.00	\$3,100.00
Senior Associate	7.50	\$120.00	\$900.00
Associate III	15.25	\$105.00	\$1,601.25
			<i>Professional Services Subtotal:</i>

2021 Meetings and Prep Subtotal: \$10,546.25

53 - 2021 General Project Management

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
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53 - 2021 General Project Management

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	4.25	\$200.00	\$850.00
Senior Associate	4.25	\$120.00	\$510.00
Associate III	2.75	\$105.00	\$288.75
GIS Specialist I	6.25	\$95.00	\$593.75
			<u>\$2,242.50</u>
		<i>Professional Services Subtotal:</i>	\$2,242.50
		<i>2021 General Project Management Subtotal:</i>	<u>\$2,242.50</u>

56 - 2021 Model Transfer and Upgrade

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	2.00	\$200.00	\$400.00
			<u>\$400.00</u>
		<i>Professional Services Subtotal:</i>	\$400.00
		<i>2021 Model Transfer and Upgrade Subtotal:</i>	<u>\$400.00</u>

58 - Navy/Coso Royalty Fund: 2021 Rose Valley MW Permitting, Bid Doc Support & Dri

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	3.75	\$230.00	\$862.50
Supervisor I	0.75	\$200.00	\$150.00
			<u>\$1,012.50</u>
		<i>Professional Services Subtotal:</i>	\$1,012.50
		<i>Navy/Coso Royalty Fund: 2021 Rose Valley MW Permitting, Bid Doc Support & Dri</i>	<u>\$1,012.50</u>

59 - 2021 Data Collection

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	17.00	\$200.00	\$3,400.00
Associate I	21.00	\$115.00	\$2,415.00
GIS Manager	2.00	\$115.00	\$230.00
Assistant I	1.00	\$95.00	\$95.00
			<u>\$6,140.00</u>
		<i>Professional Services Subtotal:</i>	\$6,140.00
		Sub-Contractors	<u>Charge</u>
Board of Regents			\$7,633.24
		<i>Sub-Contractors Subtotal:</i>	<u>\$7,633.24</u>
		<i>2021 Data Collection Subtotal:</i>	<u>\$13,773.24</u>

60 - 2021 Imported Water: Negotiations and Coordination

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	4.00	\$230.00	\$920.00
Supervisor I	0.50	\$200.00	\$100.00
Associate III	1.00	\$105.00	\$105.00
			<u>\$1,125.00</u>
		<i>Professional Services Subtotal:</i>	\$1,125.00
		<i>2021 Imported Water: Negotiations and Coordination Subtotal:</i>	<u>\$1,125.00</u>

62 - 2021 Recycled Water

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	4.50	\$230.00	\$1,035.00
Supervisor I	6.25	\$200.00	\$1,250.00
Associate III	19.25	\$105.00	\$2,021.25
			<u>\$4,306.25</u>
		<i>Professional Services Subtotal:</i>	\$4,306.25
		<i>2021 Recycled Water Subtotal:</i>	<u>\$4,306.25</u>

63 - 2021 Shallow Well Mitigation Program: Plan Development

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
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63 - 2021 Shallow Well Mitigation Program: Plan Development

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.50	\$230.00	\$575.00
Associate III	2.00	\$105.00	\$210.00
			<hr/>
		<i>Professional Services Subtotal:</i>	\$785.00
			<hr/>
		<i>2021 Shallow Well Mitigation Program Plan Development Subtotal:</i>	\$785.00

65 - Brackish Water Group Aquifer Performance Test

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$230.00	\$345.00
Supervisor I	1.00	\$200.00	\$200.00
			<hr/>
		<i>Professional Services Subtotal:</i>	\$545.00
			<hr/>
		<i>Brackish Water Group Aquifer Performance Test Subtotal:</i>	\$545.00
			<hr/>
		<i>Water Resources Management Subtotal:</i>	\$68,835.53

***** Invoice Total ***** **\$68,835.53**

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Invoice

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

Invoice Number: 2652-44
Invoice Date: 04/09/21

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

Professional Services through 3/31/2021

Water Resources Management

02.01 - POAM No. 15,16 Prop 1 Grant Administration

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.00	\$230.00	\$230.00
Senior Associate	1.00	\$120.00	\$120.00
Associate III	16.50	\$105.00	\$1,732.50
<i>Professional Services Subtotal:</i>			<u>\$2,082.50</u>
			<u>Charge</u>
Reimbursables			
Reproduction (Color)			\$197.58
Overnight Mail			\$43.76
Reproduction			\$9.30
Telephone - Conference Call			\$64.66
<i>Reimbursables Subtotal:</i>			<u>\$315.30</u>
<i>POAM No. 15,16 Prop 1 Grant Administration Subtotal:</i>			<u>\$2,397.80</u>

37 - 2021 SDAC Program Support: Rebate Program

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$200.00	\$100.00
Associate III	4.00	\$105.00	\$420.00
<i>Professional Services Subtotal:</i>			<u>\$520.00</u>
<i>2021 SDAC Program Support: Rebate Program Subtotal:</i>			<u>\$520.00</u>

38 - 2021 SDAC Program Support: Water Auditt, Leak Detection & Repair

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$200.00	\$200.00
Associate III	5.50	\$105.00	\$577.50
<i>Professional Services Subtotal:</i>			<u>\$777.50</u>
<i>2021 SDAC Program Support: Water Auditt, Leak Detection & Repair Subtotal:</i>			<u>\$777.50</u>

39 - 2021 Pump Fee Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	3.00	\$230.00	\$690.00
Senior I	0.50	\$160.00	\$80.00
Associate I	0.25	\$115.00	\$28.75
<i>Professional Services Subtotal:</i>			<u>\$798.75</u>
<i>2021 Pump Fee Support Subtotal:</i>			<u>\$798.75</u>

40 - 2021 General Engineering

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
------------------------------	-------------------	------------------	---------------



40 - 2021 General Engineering

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	4.50	\$230.00	\$1,035.00
Supervisor I	0.25	\$200.00	\$50.00
Senior Associate	2.00	\$120.00	\$240.00
Associate III	4.00	\$105.00	\$420.00

Professional Services Subtotal: \$1,745.00

2021 General Engineering Subtotal: \$1,745.00

41 - 2021 Production Reporting Support

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$200.00	\$200.00
Associate III	11.25	\$105.00	\$1,181.25

Professional Services Subtotal: \$1,381.25

2021 Production Reporting Support Subtotal: \$1,381.25

42 - TSS Coordination: Drilling Support

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	7.50	\$200.00	\$1,500.00
Associate I	14.75	\$115.00	\$1,696.25
Associate III	0.50	\$105.00	\$52.50
Assistant I	8.25	\$95.00	\$783.75

Professional Services Subtotal: \$4,032.50

Reimbursables

	<u>Charge</u>
Field Supplies	\$43.25
Lodging	\$242.33
Mileage	\$519.12
Overnight Mail	\$311.97

Reimbursables Subtotal: \$1,116.67

TSS Coordination: Drilling Support Subtotal: \$5,149.17

45 - 2021 Annual Report

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$230.00	\$345.00
Supervisor I	22.75	\$200.00	\$4,550.00
Senior Associate	31.00	\$120.00	\$3,720.00
GIS Manager	14.75	\$115.00	\$1,696.25
Associate III	4.50	\$105.00	\$472.50
Assistant I	4.75	\$95.00	\$451.25

Professional Services Subtotal: \$11,235.00

2021 Annual Report Subtotal: \$11,235.00

46 - 2021 Data Management System Support

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$230.00	\$460.00
Supervisor I	2.00	\$200.00	\$400.00
Senior Associate	1.25	\$120.00	\$150.00
Associate I	38.25	\$115.00	\$4,398.75

Professional Services Subtotal: \$5,408.75

2021 Data Management System Support Subtotal: \$5,408.75



47 - 2021 Allocation Plan: Allocation Process & Transient Pool Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	10.50	\$230.00	\$2,415.00
GIS Manager	1.00	\$115.00	\$115.00
Associate III	3.25	\$105.00	\$341.25
<i>Professional Services Subtotal:</i>			<u>\$2,871.25</u>
<i>2021 Allocation Plan: Allocation Process & Transient Pool Support Subtotal:</i>			<u>\$2,871.25</u>

48 - 2021 Allocation Plan: Rules & Regs on Pumping/Restriction

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$200.00	\$200.00
<i>Professional Services Subtotal:</i>			<u>\$200.00</u>
<i>2021 Allocation Plan: Rules & Regs on Pumping/Restriction Subtotal:</i>			<u>\$200.00</u>

49 - 2021 Allocation Plan: Fallowing & Transient Pool Transfer Program

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.00	\$200.00	\$200.00
<i>Professional Services Subtotal:</i>			<u>\$200.00</u>
<i>2021 Allocation Plan: Fallowing & Transient Pool Transfer Program Subtotal:</i>			<u>\$200.00</u>

51 - 2021 Meetings and Prep

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	18.00	\$230.00	\$4,140.00
Supervisor I	7.50	\$200.00	\$1,500.00
Senior Associate	10.50	\$120.00	\$1,260.00
Associate III	15.50	\$105.00	\$1,627.50
<i>Professional Services Subtotal:</i>			<u>\$8,527.50</u>
<i>2021 Meetings and Prep Subtotal:</i>			<u>\$8,527.50</u>

52 - 2021 Budget Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Senior Associate	3.50	\$120.00	\$420.00
<i>Professional Services Subtotal:</i>			<u>\$420.00</u>
<i>2021 Budget Support Subtotal:</i>			<u>\$420.00</u>

53 - 2021 General Project Management

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	7.50	\$200.00	\$1,500.00
Senior Associate	3.50	\$120.00	\$420.00
Associate III	6.50	\$105.00	\$682.50
<i>Professional Services Subtotal:</i>			<u>\$2,602.50</u>
<i>2021 General Project Management Subtotal:</i>			<u>\$2,602.50</u>

55 - 2021 Grant Review/Application

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$230.00	\$460.00
Supervisor I	1.00	\$200.00	\$200.00
Associate III	5.00	\$105.00	\$525.00
<i>Professional Services Subtotal:</i>			<u>\$1,185.00</u>
<i>2021 Grant Review/Application Subtotal:</i>			<u>\$1,185.00</u>

56 - 2021 Model Transfer and Upgrade



56 - 2021 Model Transfer and Upgrade

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	8.00	\$200.00	\$1,600.00
<i>Professional Services Subtotal:</i>			<u>\$1,600.00</u>
<i>2021 Model Transfer and Upgrade Subtotal:</i>			<u>\$1,600.00</u>

57 - Navy/Coso Royalty Fund: Develop FY22 Project & Secure Funding

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	9.00	\$230.00	\$2,070.00
<i>Professional Services Subtotal:</i>			<u>\$2,070.00</u>
<i>Navy/Coso Royalty Fund: Develop FY22 Project & Secure Funding Subtotal:</i>			<u>\$2,070.00</u>

58 - Navy/Coso Royalty Fund: 2021 Rose Valley MW Permitting, Bid Doc Support & Dri

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	3.75	\$230.00	\$862.50
Supervisor I	7.50	\$200.00	\$1,500.00
GIS Manager	1.00	\$115.00	\$115.00
<i>Professional Services Subtotal:</i>			<u>\$2,477.50</u>
Sub-Contractors			<u>Charge</u>
Epsilon Systems Solutions, Inc.			\$991.80
<i>Sub-Contractors Subtotal:</i>			<u>\$991.80</u>
<i>Navy/Coso Royalty Fund: 2021 Rose Valley MW Permitting, Bid Doc Support & Dri</i>			<u>\$3,469.30</u>

59 - 2021 Data Collection

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.00	\$230.00	\$230.00
Supervisor I	18.00	\$200.00	\$3,600.00
GIS Manager	2.75	\$115.00	\$316.25
Associate III	0.25	\$105.00	\$26.25
Assistant I	59.75	\$95.00	\$5,676.25
GIS Specialist I	4.75	\$95.00	\$451.25
<i>Professional Services Subtotal:</i>			<u>\$10,300.00</u>
Reimbursables			<u>Charge</u>
Car Rental			\$1,185.54
Lodging			\$995.60
Meals			\$110.80
Mileage			\$16.92
<i>Reimbursables Subtotal:</i>			<u>\$2,308.86</u>
<i>2021 Data Collection Subtotal:</i>			<u>\$12,608.86</u>

60 - 2021 Imported Water: Negotiations and Coordination

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	6.50	\$230.00	\$1,495.00
<i>Professional Services Subtotal:</i>			<u>\$1,495.00</u>
<i>2021 Imported Water: Negotiations and Coordination Subtotal:</i>			<u>\$1,495.00</u>

61 - 2021 Imported Water: Engineering and Analysis

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$200.00	\$100.00
<i>Professional Services Subtotal:</i>			<u>\$100.00</u>
<i>2021 Imported Water: Engineering and Analysis Subtotal:</i>			<u>\$100.00</u>



62 - 2021 Recycled Water

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	9.50	\$230.00	\$2,185.00
Supervisor I	0.75	\$200.00	\$150.00
Associate III	15.75	\$105.00	\$1,653.75
			<u>\$3,988.75</u>
<i>Professional Services Subtotal:</i>			<i>\$3,988.75</i>
<i>2021 Recycled Water Subtotal:</i>			<u><i>\$3,988.75</i></u>

63 - 2021 Shallow Well Mitigation Program: Plan Development

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	4.50	\$230.00	\$1,035.00
Associate III	2.50	\$105.00	\$262.50
			<u>\$1,297.50</u>
<i>Professional Services Subtotal:</i>			<i>\$1,297.50</i>
<i>2021 Shallow Well Mitigation Program Plan Development Subtotal:</i>			<u><i>\$1,297.50</i></u>

65 - Brackish Water Group Aquifer Performance Test

Professional Services

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.50	\$200.00	\$300.00
Assistant I	10.00	\$95.00	\$950.00
			<u>\$1,250.00</u>
<i>Professional Services Subtotal:</i>			<i>\$1,250.00</i>
<i>Brackish Water Group Aquifer Performance Test Subtotal:</i>			<u><i>\$1,250.00</i></u>
<i>Water Resources Management Subtotal:</i>			<u><i>\$73,298.88</i></u>

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

\$73,298.88

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PO Box 1350
Carmel Valley, CA 93924

Invoice

Date	Invoice #
2/28/2021	11854

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

P.O. No.	Due Date	Inv Sent
	3/30/2021	3/16/2021

Date	Description	Amount
2/28/2021	Contract Services for Feb - please see attached	2,320.00
Total		\$2,320.00

Indian Wells Valley

Month: **February, 2021**

Advisor Name	Hours and Rates by Pay Period				Monthly Total Billed
	1st -15th		16th - EOM		
	Reg Hrs	Bill Rate	Reg Hrs	Bill Rate	
Carol Thomas-Keefer	0.00	\$ -	13.00	\$ 125.00	\$ 1,625.00
April Keigwin	0.00	\$ -	4.25	\$ 100.00	\$ 425.00
Jefferson Kise	0.00	\$ -	2.00	\$ 135.00	\$ 270.00
Totals	0.00		19.25		\$ 2,320.00

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CAPITOL
CORE
GROUP

Capitol Core Group, Inc.
205 Cartwheel Bend (Operations Dept.)
Austin, TX 78738 US
949.274.9605
operations@capitolcore.com
www.capitolcore.com

BILL TO

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

INVOICE 2021-010

DATE 03/02/2021 **TERMS** Net 45

DUE DATE 04/16/2021

DATE	ACCOUNT SUMMARY	AMOUNT
02/01/2021	Balance Forward	21,675.00
	Other payments and credits after 02/01/2021 through 03/01/2021	-21,675.00
03/02/2021	Other invoices from this date	0.00
	New charges (details below)	11,187.50
	Total Amount Due	11,187.50

ACTIVITY	HOURS	RATE	AMOUNT
Charges			
Task 1 -- Identify and Secure Imported Water Supplies			
Strategic Communications:Water Procurement Assistance Initial Calls to water suppliers (various) {Tatum}	3	250.00	750.00
Strategic Communications:Water Procurement Assistance Follow-up calls and continuing discussions w/ water suppliers (various) {Tatum}	4	250.00	1,000.00
Strategic Communications:Water Procurement Assistance Internal calls, strategy and water transfer strategy {Tatum}	2	250.00	500.00
Strategic Communications:Water Procurement Assistance Water supplier inquiries: North of Delta supplies {Simonetti}	4.50	225.00	1,012.50
Strategic Communications:Water Procurement Assistance Water supplier inquiries/follow-up: South of Delta {Simonetti}	3.50	225.00	787.50
Strategic Communications:Water Procurement Assistance Internal calls, strategy development, and water transfer strategy {Simonetti}	2.50	225.00	562.50
Strategic Communications:Water Procurement Assistance IWVGA-client calls re: Water {Simonetti}	1	225.00	225.00
Strategic Communications:Water Procurement Assistance Internal calls re: water strategy development and client meeting on water supplies {McKinney}	2	250.00	500.00
Total Task 1 = \$4,962.50 (21 hours)			
Task 2 -- Secure Federal Funding Sources			

ACTIVITY	HOURS	RATE	AMOUNT
Government Relations:Federal Legislative Affairs Water Resource Memo for Board, Call w/ Rep. McCarthy's office and follow-up {Simonetti}	2.50	225.00	562.50
Government Relations:Federal Legislative Affairs WWTP/Water Recycling Plant (WRP) Federal Funding Research {Simonetti}	1	225.00	225.00
Government Relations:Federal Legislative Affairs Internal meeting/strategy development WWTP/WRP {Simonetti}	1	225.00	225.00
Government Relations:Federal Legislative Affairs Memorandum and Document Preparation NDAA-FY2022 Priorities {Simonetti}	2	225.00	450.00
Government Relations:Federal Legislative Affairs WWTP/WRP Federal Funding Strategy {McKinney}	1	250.00	250.00
Government Relations:Federal Legislative Affairs Follow-up and reports USBOR, USACOE, USEPA re: water financing options and private financing option discussions {McKinney}	2.50	250.00	625.00
Total Task 2 = \$2,337.50 (10 hours)			
Task 4 -- Secure State Funding Sources			
Government Relations:California Legislative Affairs Follow-up w/ Senator Grove's office and Governor's Military Council {Simonetti}	1.50	225.00	337.50
Government Relations:California Legislative Affairs Proposition 1 WSIP Funding and water resources memorandum for Board {Simonetti}	5	225.00	1,125.00
Government Relations:California Legislative Affairs Conf. Call w/ Senator Grove's Office {McKinney}	0.75	250.00	187.50
Total Task 4 = \$1,650.00 (7.25 hours)			
Task 5 --- Board Meetings and Reporting			
Government Relations:Public Affairs Finalization of Strategic Funding Plan and Monthly Update Memorandum for Board {Simonetti}	1	225.00	225.00
Administrative Preparation for Board Meeting and Closed Session Meeting	4.50	225.00	1,012.50
Administrative Preparation for Board Meeting and Open Session Meeting {McKinney}	2.50	250.00	625.00
Total Task 5 = \$2,312.50 (10 hours)			

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

TOTAL OF NEW CHARGES

11,187.50

TOTAL DUE

\$11,187.50

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**CAPITOL
CORE
GROUP**

Capitol Core Group, Inc.
205 Cartwheel Bend (Operations Dept.)
Austin, TX 78738 US
949.274.9605
operations@capitolcore.com
www.capitolcore.com

BILL TO

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

INVOICE 2021-018

DATE 04/05/2021 **TERMS** Net 45

DUE DATE 05/20/2021

DATE	ACCOUNT SUMMARY	AMOUNT
03/02/2021	Balance Forward	11,187.50
	Other payments and credits after 03/02/2021 through 04/04/2021	0.00
04/05/2021	Other invoices from this date	0.00
	New charges (details below)	12,643.75
	Total Amount Due	23,831.25

ACTIVITY	HOURS	RATE	AMOUNT
Charges			
Task 1 -- Determine and Secure Imported Water Supplies			
Strategic Communications:Water Procurement Assistance Water Suppliers (Various) {Tatum}	4.50	250.00	1,125.00
Strategic Communications:Water Procurement Assistance Meeting w/ AVEK {Tatum}	1	250.00	250.00
Strategic Communications:Water Procurement Assistance Internal client meetings IWVGA {Tatum}	2	250.00	500.00
Strategic Communications:Water Procurement Assistance Term Sheet Development {Tatum}	1.50	250.00	375.00
Strategic Communications:Water Procurement Assistance Calls w/ water resource providers, transfer partners, memoranda and document preparation {Simonetti}	10	225.00	2,250.00
Total Task 1 = \$4,500.00 (19 hours)			
Task 2 -- Federal Funding Source			
Government Relations:Federal Legislative Affairs Congressional follow-up calls Rep. McCarthy and Senator Feinstein, Appropriations, and Community Project Financing/earmarks {McKinney}	3.50	250.00	875.00
Government Relations:Federal Legislative Affairs Development and arguments support for FY2022 National Defense Authorization Act (NDAA), House of Representatives {McKinney}	2.50	250.00	625.00
Government Relations:Federal Legislative Affairs Call w/ Rep. McCarthy's Office re: Project Update and NDAA {Simonetti}	1	225.00	225.00

ACTIVITY	HOURS	RATE	AMOUNT
Government Relations:Federal Legislative Affairs Congressional calls re: WWTP/Water Recycling Plant {Simonetti}	2	225.00	450.00
Government Relations:Federal Legislative Affairs Call w/ Senator Feinstein's Office and Funding Project Update w/ IWVGA {Simonetti}	1.50	225.00	337.50
Government Relations:Federal Legislative Affairs Call w/ ADC re: DCIP {Simonetti}	1.50	225.00	337.50
Government Relations:Federal Legislative Affairs NDAA Amendment, Document Preparation and related House Armed Services calls {Simonetti}	4.50	225.00	1,012.50
Government Relations:Federal Legislative Affairs Materials preparation for Rep. Obernolte's office {Simonetti}	2	225.00	450.00
Total Task 2 = \$4,312.50 (18.5 hours)			
Task 3 -- Department of Defense Liaison			
Government Relations:Federal Legislative Affairs Call w/ Cmdr Benson NAWSC and Navy communications strategy {McKinney}	1	250.00	250.00
Government Relations:Federal Legislative Affairs Call w. Cmdr Benson re: DCIP {Simonetti}	0.50	225.00	112.50
Total Task 3 = \$362.50 (1.5 hours)			
Task 4 -- State Funding Source			
Government Relations:California Legislative Affairs California Water Policy Strategy, Governor's Office Water Policy Director meeting, materials prep and follow-up {McKinney}	2.50	250.00	625.00
Government Relations:California Legislative Affairs Review of State Budget, Governor's water policy review and call w/ Governor Date Policy Director {Simonetti}	5	225.00	1,125.00
Total Task 4 = \$1,750.00 (7.5 hours)			
Task 5 -- Meetings and Reporting			
Administrative Monthly Reporting/Administration, water purchase meetings and internal meetings {McKinney}	3.50	250.00	875.00
Administrative Board meeting, monthly reports, and administrative {Simonetti}	3.75	225.00	843.75
Total Task 5 = \$1,718.75 (7.25 hours)			
Thank you for your business. Please make checks payable to Capitol Core Group, Inc.	TOTAL OF NEW CHARGES		12,643.75
		TOTAL DUE	\$23,831.25

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WaterWise Consulting, Inc.

"Conserving our natural resources for future generations"

1751 S. Grand Ave.
Glendora, CA 91740

Invoice

Date	Invoice #
3/31/2021	6704

Customer
Indian Wells Groundwater Authority Attn: Accounts Payable 500 W. Ridgecrest Blvd. Ridgecrest, CA 93555

Contract No.	Due Date	Terms
02-19	6/29/2021	Net 90

Item	Description	Amount
Rebate Administration	Indian Wells Groundwater Authority Water Conservation Rebate Program Service Period: March 2021 Task: Monthly Administration - \$5,000.00 x 1 = \$5,000.00 Task: Website Development - \$4,000.00 x 0 = \$0.00 Task: Program Manager - \$125.00 x 2 = \$250.00 Task: Design, Marketing & Outreach - \$80.00 x 0 = \$0.00 Task: Customer Rebates - \$0.00 TOTAL THIS INVOICE: \$5,250.00	5,250.00

Please Make Check Payable To: WaterWise Consulting, Inc.

Total	\$5,250.00
--------------	------------

Phone #	Fax #	E-Mail	Web Site
(626) 335-7888	(626) 628-0311	info@waterwise-consulting.com	www.waterwise-consulting.com

Indian Wells Groundwater Authority

Water Conservation Rebate Program

Service Period: March 2021

Fixed Labor Cost Breakdown

<i>Classification</i>	<i>Staff Name(s)</i>	<i>Service Date(s)</i>	<i>Item Qty.</i>	<i>Fixed Rate</i>	<i>Total Billed</i>	<i>Labor Summary</i>
Monthly Administration	Rebecca Shields Moose Blanca Cortez	3/1/2021 to 3/31/2021	1	\$ 5,000.00	\$ 5,000.00	* Customer Service Representative Staffing * Assist customers via phone and email * Mailing program applications and postcards to customers upon request *Additional customer contact research
					\$ 5,000.00	

Hourly Labor Cost Breakdown

<i>Classification</i>	<i>Staff Name</i>	<i>Service Date(s)</i>	<i>Qty. Hours</i>	<i>Hourly Rate</i>	<i>Total Billed</i>	<i>Labor Summary</i>
Program Manager	Rebecca Shields Moose	3/5/2021	2	\$ 125.00	\$ 250.00	Applicant issue resolution
			2		\$ 250.00	

<i>Classification</i>	<i>Staff Name</i>	<i>Service Date(s)</i>	<i>Qty. Hours</i>	<i>Hourly Rate</i>	<i>Total Billed</i>	<i>Labor Summary</i>
				\$ 80.00	\$ -	
			0		\$ -	

Invoice Total: \$ 5,250.00

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California Rural Water Association

California Rural Water Association
 Invoice Time Period: February 1 2021- February 28 2021

INVOICE

To: Indian Wells Valley Groundwater Authority
 Attn: Don Zdeba
 500 W. Ridgecrest Blvd
 Ridgecrest CA, 93555

Invoice #: ICSD-FSLD-A-006
Invoice Date: 3/15/2021
Terms: Net 30 Days

Pay: California Rural Water Association
 1234 North Market Blvd.
 Sacramento, CA 95834

Project Name: IWVGA Work Plan ICSD-FSLD-A

IWVGA-Inyokern CSD			
Work Plan/AR #	Description of work	Date	Cost
Technician	Inyokern FSLD-Reporting	Invoice period	\$ 1,785.00
Travel Expenditures			
Name	Description of Travel	Cost	
	N/A		
Equipment			
Name	Description of Equipment	Cost	
	N/A		
INVOICE TOTAL: \$			1,785.00

Submitted by:
 Dustin Hardwick, Deputy Director
 California Rural Water Association

Signature

3/15/2021

Date



California

Rural Water Association

Expenditure Tracking

Invoice #	Amount	
ICSD-FSLD-A-001	\$16,457.40	Paid
ICSD-FSLD-A-002	\$13,153.09	Paid
ICSD-FSLD-A-003	\$11,500.74	
ICSD-FSLD-A-004	\$1,715.00	
ICSD-FSLD-A-005	\$3,162.50	
ICSD-FSLD-A-006	\$1,785.00	
Total	\$47,773.73	

Proposition 1 Technical Assistance Funding Program

Invoice Detail

***** Below should reflect all direct Technician Costs (costs tied to a Inyokern CSD Work Plan):

Date of Invoice or Receipt	Description	Rate	Hours	Amount this Invoice for PM and Admin
A. Personnel				
Name of Employee				
For All Dates within Invoice Period	<i>Michael Sims</i>	\$115	12	\$ 1,380.00
For All Dates within Invoice Period	<i>Abel Silva</i>	\$90	0	\$ -
For All Dates within Invoice Period	<i>Mark Hardison</i>	\$90	4.5	\$ 405.00
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
		A. Subtotal =	16.50	\$ 1,785.00
C. Equipment				
Description of Equipment				
		B. Subtotal =		\$ -
C. Travel Expenitures				
Description of Expendatures				
<i>Michael Sims</i>	<i>Meals, Lodging, Milage, Map coversion for Inyo CSD Systems</i>			\$ -
<i>Abel Silva</i>	<i>Meals, Lodging, Milage</i>			\$ -
<i>Mark Hardison</i>	<i>Meals, Lodging, Milage</i>			\$ -
		C. Subtotal =		\$ -
D. Travel Hours				
Description of Travel (when, where, why, who, type of expense, etc.)				
<i>Michael Sims</i>	<i>Travel from home to system, from lodging to System, from system to home</i>	\$115		\$ -
<i>Abel Silva</i>	<i>Travel from home to system, from lodging to System, from system to home</i>	\$90		\$ -
<i>Mark Hardison</i>	<i>Travel from home to system, from lodging to System, from system to home</i>	\$90		\$ -
		D. Subtotal =	0	\$ -
E. Professional and Consultant Services				
Name of Consultant				
		E. Subtotal =		\$ 1,785.00

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California Rural Water Association

California Rural Water Association
 Invoice Time Period: February 1, 2021- February 28, 2021

INVOICE

To: Indian Wells Valley Groundwater Authority
 Attn: Don Zdeba
 500 W. Ridgecrest Blvd
 Ridgecrest CA, 93555

Invoice #: SVWD-FSLD-A-004
Invoice Date: 3/15/2021
Terms: Net 30 Days

Pay: California Rural Water Association
 1234 North Market Blvd.
 Sacramento, CA 95834

Project Name: IWVGA Work Plan SVWD-FSLD-A

IWVGA-Searles Valley Water District			
Work Plan/AR #	Description of work	Date	Cost
ADMIN	Admin and project support	Invoice period	\$ 824.55
Technician	Westend-Argus	Invoice period	\$ 13,840.00
Technician	Travel	Invoice period	\$ 4,145.00
Travel Expenditures			
Name	Description of Travel	Cost	
Michael Sims	Meals, Lodging, Milage	\$ 1,398.44	
Abel Silva	Meals, Lodging, Milage	\$ 664.63	
Mark Hardison	Meals, Lodging, Milage	\$ 1,691.82	
Equipment			
Name	Description of Equipment	Cost	
Reflective Shirts (Invoice ID #13659)	Safety equipment	\$ 94.22	
INVOICE TOTAL:			\$ 22,658.66

Submitted by:
 Dustin Hardwick, Deputy Director
 California Rural Water Association

Signature

3/15/2021

Date



California

Rural Water Association

Expenditure Tracking

Invoice #	Amount
SVWD-FSLD-A-001	\$1,295.00
SVWD-FSLD-A-002	\$11,164.64
SVWD-FSLD-A-003	\$20,116.25
SVWD-FSLD-A-004	\$22,658.66
Total	\$55,234.55

IWVGA - Searles Valley Water District FSLD

Invoice Details: Admin

***** Below should reflect all direct Technician Costs (costs tied to a Searles Valley WD Work Plan):

Date of Invoice or Receipt	Description	Rate	Hours	Amount this Invoice for PM and Admin
A. Personnel				
Name of Employee				
For All Dates within Invoice Period	<i>Dustin Hardwick</i>	\$75	6	\$ 450.00
For All Dates within Invoice Period	<i>Jacob DeLuna</i>	\$33	11.35	\$ 374.55
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
A. Subtotal =			17.35	\$ 824.55
C. Equipment				
Description of Equipment				
B. Subtotal =				\$ -
C. Travel Expenitures				
Description of Expenditures				
C. Subtotal =				\$ -
D. Travel Hours				
Description of Travel (when, where, why, who, type of expense, etc.)				
				\$ -
				\$ -
				\$ -
D. Subtotal =			0	\$ -
E. Professional and Consultant Services				
Name of Consultant				
E. Subtotal =				\$ 824.55

IWVGA - Searles Valley Water District FSLD

Invoice Detail

***** Below should reflect all direct Technician Costs (costs tied to a Searles Valley WD Work Plan):

Date of Invoice or Receipt	Description	Rate	Hours	Amount this Invoice for PM and Admin
A. Personnel				
Name of Employee				
For All Dates within Invoice Period	<i>Michael Sims</i>	\$115	55	\$ 6,325.00
For All Dates within Invoice Period	<i>Abel Silva</i>	\$90	31	\$ 2,790.00
For All Dates within Invoice Period	<i>Mark Hardison</i>	\$90	52.5	\$ 4,725.00
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
For All Dates within Invoice Period				
A. Subtotal =			138.50	\$ 13,840.00
C. Equipment				
Description of Equipment				
<i>Reflective shirts (Invoice ID #13659)</i>	<i>Safety equipment</i>			\$94.22
B. Subtotal =				\$ 94.22
C. Travel Expenitures				
Description of Expendatures				
<i>Michael Sims</i>	<i>Meals, Lodging, Milage, Map coversion for Inyo CSD Systems</i>			\$ 1,398.44
<i>Abel Silva</i>	<i>Shipping equipment to Michael Sims</i>			\$ 664.63
<i>Mark Hardison</i>	<i>Meals, Lodging, Milage</i>			\$ 1,691.82
C. Subtotal =				\$ 3,754.89
D. Travel Hours				
Description of Travel (when, where, why, who, type of expense, etc.)				
<i>Michael Sims</i>	<i>Travel from home to system, from lodging to System, from system to home</i>	\$115	15.5	\$ 1,782.50
<i>Abel Silva</i>	<i>Travel from home to system, from lodging to System, from system to home</i>	\$90	8	\$ 720.00
<i>Mark Hardison</i>	<i>Travel from home to system, from lodging to System, from system to home</i>	\$90	18.25	\$ 1,642.50
D. Subtotal =			41.75	\$ 4,145.00
E. Professional and Consultant Services				
Name of Consultant				
E. Subtotal =				\$ 21,834.11

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IWVGA Board Meeting
April 14, 2021

Proposition 1 Status Update

- Invoice #8a
 - Covers July through September 2020
 - Total payment after retention: \$137,765.72
 - Modified per additional DWR comments
 - Status: Submitted November 30, 2020
 - Progress Reports combined for Prop 1 & Prop 68 submitted November 30, 2020
 - DWR provided additional minor comments on March 2; comments were addressed, and invoice resubmitted on March 29
 - DWR has required information on environmental and site clearance documents and an updated Environmental Information Form for Prop 1 monitoring wells, stream gages, and weather stations
 - Documents are currently being compiled for submission to DWR
- Invoice #9a
 - Covers October through December 2020
 - Total payment after retention: \$127,787.67
 - Status: Submitted February 26, 2021
 - Progress Reports combined for Prop 1 & Prop 68 submitted February 26, 2021

AGENDA ITEM 7a



IWVGA Board Meeting
April 14, 2021

Proposition 68 Status Update

- Invoice # 8b
 - Covers July through September 2020
 - Total payment after retention: \$3,412.40
 - Submitted November 30, 2020
 - Status: Payment received on March 8
- Invoice # 9b
 - Covers October through December 2020
 - Total payment after retention: \$4,348.28
 - Submitted February 26, 2021
 - Status: Approved on March 26; currently awaiting payment

AGENDA ITEM 7b

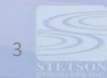


IWVGA Board Meeting
April 14, 2021

New Proposition 68 Grant Funding Application

- Round 1 grant application was submitted on January 8, 2021 for three (3) projects:
 - Project 1 – Imported Water Supply Alternatives Analysis
 - Project 2 – Recycled Water Use Alternatives Analysis
 - Project 3 – Recycled Water Project Phase 1: Treatment Design
- DWR received 15 eligible applications requesting over \$70 million in grant funds
 - Only \$26 million available in total Round 1 funding
- Draft funding list was released in mid-March 2021 for public review
- Meeting was held on March 25 with staff from DWR and IWVGA to discuss IWVGA's application

AGENDA ITEM 7c



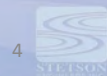
3

IWVGA Board Meeting
April 14, 2021

New Proposition 68 Grant Funding Application (cont.)

- Meeting Outcomes
 - PSP indicated that “planning, design, and environmental documentation” were eligible project activities “only as a task of a Project or Component of an overall project”
 - Project 3 was included as Phase I of a larger recycled water effort which would include construction at a later date; construction was not expected to begin during Round 1 work timeline
 - DWR indicated that IWVGA's application did not meet the Eligibility/Completeness review because no capital improvement/construction project was included
 - Planning and design were not eligible as standalone tasks
 - DWR indicated that IWVGA's application overall was well-organized and complete, and would score highly in a planning solicitation
 - **New PSP anticipated to be released in July 2021**
 - Funding from DWR's 2021 general fund for critically overdrafted basins
 - Up to \$60-65 million may be available for planning and/or construction projects

AGENDA ITEM 7c



4

IWVGA Board Meeting
April 14, 2021

Recycled Water Program Update

- Recycled Water Use Alternatives Analysis was authorized at January 2021 Board meeting
 - Evaluate the potential uses of recycled water in the Basin and identify those uses that achieve the highest and most cost-effective benefits towards sustainable Basin management and reduction of imported water requirements
- Alternatives Analysis Update
 - Scope of Work distributed to City and TAC members for review and comment on February 12
 - City/TAC comments on Scope of Work have been received and incorporated
 - Revised Scope of Work and draft write-up of existing WWTF facilities, existing recycled water uses, and City's plans to upgrade and expand the WWTF will be distributed during week of April 12
 - Work will continue on the Analysis with ongoing coordination with the City of Ridgecrest, the TAC, and the IWVGA Board

AGENDA ITEM 7d



IWVGA Board Meeting
April 14, 2021

Navy/COSO Royalty Fund 2021 Project(s)

- Three bids received.
- Two new wells to be drilled on BLM Land. One existing well to be rehabilitated.
- Biological Investigation to complete SF 299 completed in March 2021.
- Public and Tribal Consultation in progress
- Package delivered to Navy when Tribal consultation completed
- Drilling to commence in Fall 2021

AGENDA ITEM 7e



IWVGA Board Meeting April 14, 2021

Navy/COSO Royalty Fund 2021 Project(s)

- Comments from TAC received in early March. Recommended that additional investigation is required before siting location of monitoring wells.
- Recommended project is a two-year investigation to characterize and quantify mountain-front recharge
 - Year 1 (FY 22) – Geophysical and Geologic Study to define geometry and structure of mountain-front recharge areas along basin margin along Sierra Nevada Mountains. Focus will be on Indian Wells Canyon.
 - Year 2 (FY 23) – Installation of monitoring wells to measure water level gradient and perform geochemical analyses for isotopes and trace elements. Quantify mountain front recharge to support sustainability.
- Currently preparing Year 1 (FY 22) scope of work and costs.

AGENDA ITEM 7e



IWVGA Board Meeting April 14, 2021

GSP Project #4: Shallow Well Mitigation Program

- Shallow Well Impacts Report Form
 - Draft finalized for Board approval (Agenda Item 8)
 - Comments received from Staff and TAC members incorporated into final draft



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Phone: (626) 967-6202 • Fax: (626) 331-7065 • Website: www.stetsonengineers.com

Northern California • Southern California • Arizona • Colorado • Oregon

(DRAFT DATE MARCH 3, 2021)
(REDRAFT DATE MARCH 29, 2021)

**INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
(IWVGA)
REPORT FORM
FOR A
SHALLOW WATER SUPPLY WELL
NEGATIVELY IMPACTED BY CHRONIC
OVERDRAFTING OF GROUNDWATER
IN THE IWV BASIN**

AGENDA ITEM 7f



IWVGA Board Meeting
April 14, 2021

GSP Planned Projects - Project No. 1 Surface Percolation Replenishment Update

- Organizing team to commence study
- Perform Initial GIS Investigation in April

AGENDA ITEM 7g



9

IWVGA Board Meeting
April 14, 2021

Preliminary 2021 Allotment of Sustainable Yield

**ESTIMATED CY-2021 PUMPING ALLOTMENT AVAILABLE
TO IWVWD BASED UPON ACTUAL 2020 PUMPING
BY NAVY, DE MINIMIS AND SMALL MUNICIPAL
(AVAILABLE CY-2021 SUSTAINABLE YIELD IS 7,650 AF)**

Methodology

Totalize actual 2020 pumping by NAWS/China Lake, De Minimis Pumpers (estimated) City of Ridgecrest, Kern County, Inyokern, CSD, Small Mutuals, and Trona-Domestic, and then deduct the "total pumping" from available CY-2021, sustainable yield of 7,650 AF. This is the CY-2021 sustainable yield (estimated) available for IWVWD pumping without incurring the Replenishment Fee.

AGENDA ITEM 7h



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Preliminary 2021 Allotment of Sustainable Yield

CALCULATION OF ESTIMATED IWVWD CY-2021 ALLOTMENT OF SUSTAINABLE YIELD

<u>PUMPER GROUP</u>	<u>CY-2020 PUMPING</u> <u>(REPORTED/ESTIMATED (AF))</u>	
Navy	1,436	Navy
Domestic Wells	800	(Estimated)
City of Ridgecrest	187	(Reported)
Kern County	24	(Reported)
Inyokern CSD	175	(Reported)
Small Mutuals	322	(Reported)
Trona-Domestic	217	(Ordinance/Staff Report)
 Total 2020 Navy/Municipal Pumping - Less IWVWD	 3,161	
 Calculation (estimation) of IWVWD CY-2021 Sustainable Yield Allotment to be free of IWVGA Replenishment Fee		
Available CY-2021 Sustainable Yield	-	Total Navy/Municipal CY-2020 Pumping
(7,650 AF)	-	3,161 AF
		=
		Estimated Available CY-2021 Sustainable Yield for IWVWD
		= 4,489 AF
 (Note - IWVWD CY2020 pumping reported was 6,289 AF)		

AGENDA ITEM 7h



IWVGA Board Meeting
April 14, 2021

GSP Annual Report 2021

Water Year 2020 (October 2019 to September 2020)

AGENDA ITEM 7i



Background

- **SGMA Requirement**
 - Submit annual report to DWR by April 1, reporting on the previous Water Year
 - Major Components:
 - Progress Toward Sustainability
 - Groundwater Elevation Data
 - Water Supply Data
- **Status of Annual Reports**
 - First report submitted in May 2020 (WY 2019)
 - Extension given to all GSAs for COVID-19 delays
 - No comments received from DWR yet
 - Current Report (WY 2020) submitted on April 1, 2021
 - First since GSP has been adopted
 - Provided to IWVGA Staff and TAC members for review



Report Organization

- Executive Summary
- Background Information
- Progress Towards Sustainability
- Hydrologic Conditions
- Groundwater Elevation Data
- Water Supply Data
- Other Data Collection



Progress Towards Sustainability

- **Projects and Management Actions**
 - **Management Action #1: Allocations, Transient Pool, Following Program**
 - Resolution Number 06-20: Adopted report documenting sustainable yield of 7,650 AFY. Entire Basin sustainable yield is subject to the Navy's Federal Reserve Water Right.
 - Ordinance 03-30: Established Basin Replenishment Fee.
 - Resolution 05-20: Adopted Transient Pool and Following program.



Progress Towards Sustainability

- **Projects and Management Actions**

- **Project #1: Imported Water Supply**
 - Capitol Core Group identified option for water transfers, began coordination on interconnection opportunities, and identified potential funding sources.
 - Ordinance 03-30: Established Basin Replenishment Fee.
- **Project #2: Optimize Recycled Water Use**
 - Initial program development and coordination between IWVGA and City of Ridgecrest
- **Project #3: Conservation**
 - Implementation of SDAC conservation program
 - Additional Water District conservation efforts



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Progress Towards Sustainability

- **Projects and Management Actions**


- **Project #4: Shallow Well Mitigation Program**
 - Initial program development
 - Ordinance 03-30: Established Basin Replenishment Fee.
- **Project #5: Dust Control Mitigation**
 - No work completed in WY 2020 (other than GSP program development)
- **Project #6: Pumping Optimization**
 - No work completed in WY 2020 (other than GSP program development)



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Progress Towards Sustainability

- Sustainable Management Criteria
 - Chronic Lowering of Groundwater Levels
 - 4 key sites are above the measurable objective
 - 4 key sites are within the operating range between the measurable objective and minimum threshold
 - 2 key sites do not have recent data and need sustainable management criteria to be established
 - Current data do not indicate concern that the first interim milestones will not be met in 2025.

 **GROUNDWATER LEVELS OBJECTIVE**

Groundwater elevation (feet NAVD 88)

Monitoring Site	Last Measurement	Measurable Objective	Minimum Threshold	2025 Milestone	2025 Milestone	2025 Milestone
USBR-01	2,668	2,664	2,659	2,667	2,667	2,666
USBR-03	2,143	-	-	-	-	-
USBR-04	2,123	2,126	2,110	2,118	2,123	2,125
USBR-05	2,162	2,156	2,151	2,157	2,155	2,156
USBR-06	2,170	2,171	2,166	2,179	2,175	2,173
MW 32	2,125	2,134	2,119	2,125	2,131	2,132
Kerr McGee	2,154	2,145	2,138	2,145	2,144	2,144
Sandquist Spa	2,172	2,167	2,162	2,168	2,167	2,167
Inyo	2,147	-	-	-	-	-
George Air Corridor	2,160	-	-	-	-	-

The representative monitoring well network was selected to have good spatial distribution throughout the IWVGB and across the pumping centers and good predictive ability to monitor the effectiveness of projects and management actions that will be implemented to limit the decline of groundwater levels.

- indicates criteria not determined at this time.



Progress Towards Sustainability

- Sustainable Management Criteria
 - Loss of Groundwater in Storage
 - Sustainable Management Criteria measured as loss of storage since WY 2020 in 5-year increments



Progress Towards Sustainability

- Sustainable Management Criteria
 - Degraded Water Quality (TDS concentrations)
 - 5 key sites are below the measurable objective
 - 1 key site is within the operating range between the measurable objective and minimum threshold
 - 4 key sites have limited data and need sustainable management criteria to be established
 - Current data do not indicate concern that the first interim milestones will not be met in 2025.

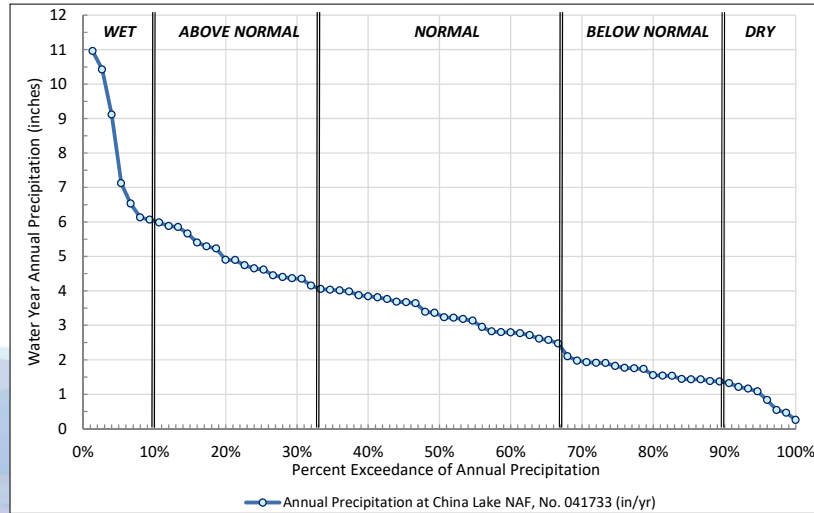
Monitoring Site	Salinity - Total Dissolved Solids (mg/L)					
	Last Measurement	Measurable Objective	Minimum Threshold	2025 Milestone	2025 Milestone	2025 Milestone
AB 303-5	190	-	-	-	-	-
IWVWD Well 33	280	310	500	310	310	310
Owens Peak South Well 01	290	300	500	300	300	300
IWVWD Well 30	200	240	500	341	341	341
Hometown Water Association Well 01	330	370	500	448	448	448
IWVWD Well 11	580	530	600	546	546	530
Sandquist Spa	410	-	-	-	-	-
West Valley Mutual 01	490	500	600	511	511	511
26S/38E-01M05	540	-	-	-	-	-
26S/39E-06P01	500	-	-	-	-	-

- indicates criteria not determined at this time.

Progress Towards Sustainability

- Sustainable Management Criteria
 - Land Subsidence
 - Due to implementation of projects and management actions that will result in stabilization of groundwater levels, the current rate of land subsidence is not anticipated to increase from the most recent available data period (2005-2010).
 - No representative monitoring sites outside of the SNORT alignment at NAWS China Lake have been established at this time.
 - Land subsidence will be monitored periodically as datasets become available and as necessary to ensure no undesirable groundwater conditions are occurring.
 - The IWVA will request land subsidence data from NAWS China Lake periodically.

Hydrologic Conditions



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Hydrologic Conditions

Water Year Types based on Precipitation at China Lake NAF Station (No. 041733)

WY	Annual Precipitation (in/yr)	Water Year Type
2015	3.67	N
2016	1.38	BN
2017	4.61	AN
2018	1.43	BN
2019	6.13	W
2020	5.57	AN

Notes: W = Wet, AN = Above Normal; N = Normal; BN = Below Normal; D = Dry.

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Groundwater Elevation Data

- **Contours**

- KCWA produced Fall 2019 and Spring 2020 groundwater elevation contours
- Groundwater flows from Rose Valley, Sierras, Argus Range, and El Paso subarea towards the playa at center of the basin
- Pumping centers form depressions
- Little seasonal variation shown between Fall 2019 and Spring 2020 contours

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Groundwater Elevation Data

- **Hydrographs**

- Hydrographs have been developed for all wells in the IWV Groundwater Monitoring Program (GWMP)
- Posted on the DMS website (www.iwvgsp.com)
- COVID-19 caused difficulties with access and availability to sample
- USBR-03
 - Discrepancy observed between the shallow and mid-level piezometers
 - Origin of error appears to have occurred immediately after well construction
 - A tech memo was prepared to explain the issue and steps take to remedy the inconsistency (Attachment D)

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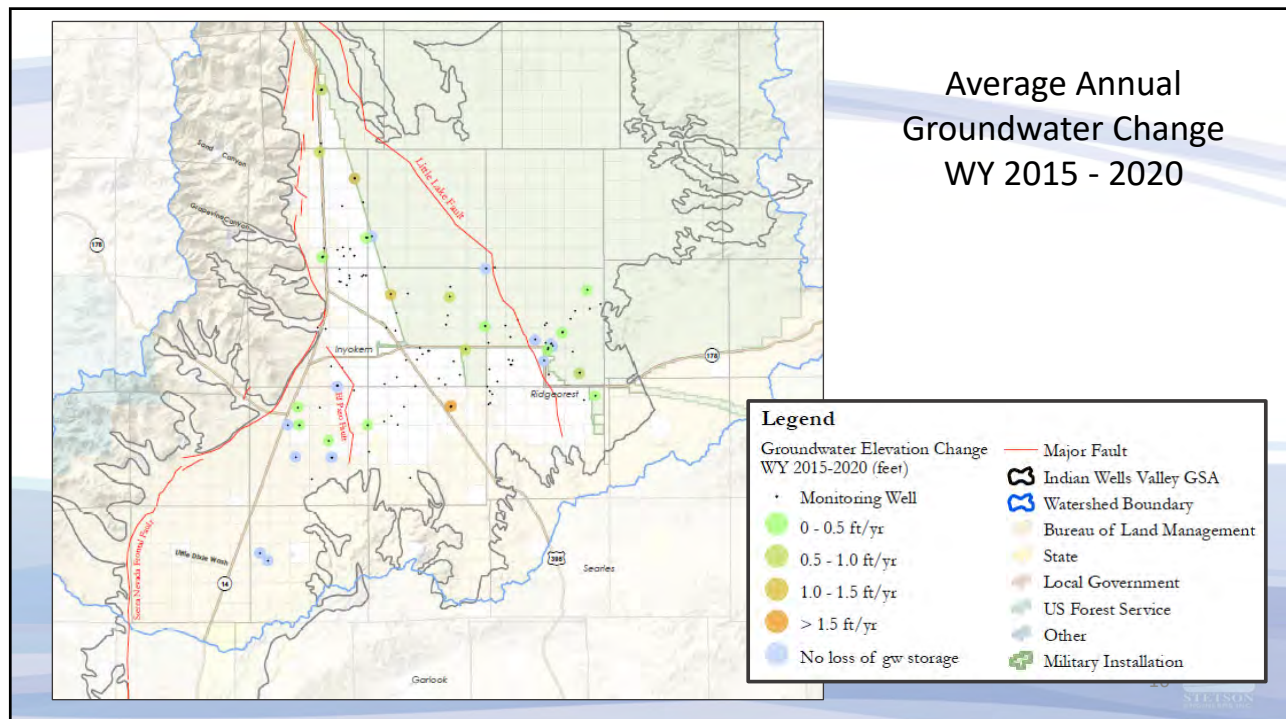
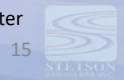
Groundwater Elevation Data

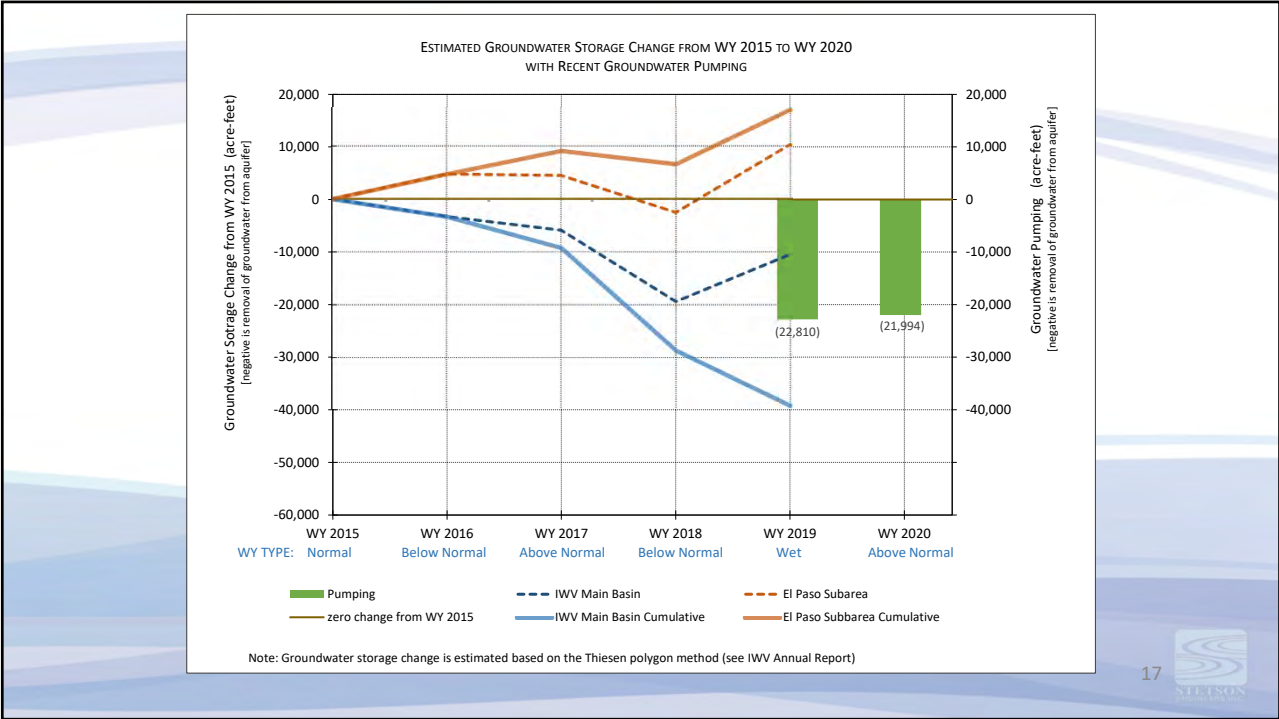
- Groundwater in Storage

- Thiessen Polygon Method used to estimate annual groundwater storage change
- Based on observed spring water levels at 41 wells from WY 2016 to WY 2020

	Thiessen Area (acres)	WY 2016 (AF)	WY 2017 (AF)	WY 2018 (AF)	WY 2019 (AF)	WY 2020* (AF)	5-Year Cumulative Change (AF)
IWV Main Basin	238,088	-3,316	-5,927	-19,382	-10,459	-18,274	-57,358
El Paso Subarea	66,638	4,702	4,432	-2,554	10,326	1,767	18,673
Total	304,726	1,387	-1,495	-21,936	-133	-16,508	-38,685
<i>Hydrologic Condition</i>		<i>BN</i>	<i>AN</i>	<i>BN</i>	<i>W</i>	<i>AN</i>	

*WY 2020 change in storage cannot be accurately calculated due to COVID-19 restrictions impacting spring 2020 groundwater level sampling. Available spring 2020 groundwater levels are not static water levels and are influenced by early seasonal agricultural pumping.





Water Supply Data

- **Groundwater Extraction Data**
 - Based on reported groundwater pumping data for extraction fees and best available data from on sources available to the IWVGA
 - Current methods of measuring groundwater extractions:
 - Water meters
 - Electrical meters
 - Estimates based on land use
 - Estimates based on population served by groundwater production well
 - Ordinance 01-20 (adopted March 2020) requires water meters on all non-de minimis groundwater extractors



Water Supply Data

• Groundwater Extraction Data

Water Use Sector	WY 2020 Reported Pumping (AF)	WY 2020 Estimated Pumping (AF)
Urban	6,510	6,510
Industrial	2,820	2,820
Agriculture	9,470	9,850
Other – Federal	--	1,410
Other – Domestic/ Mutuals/Co-Ops	550	1,410
TOTAL	(incomplete)	22,000

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Water Supply Data

• Recycled Water Use

- Landscape irrigation (urban)
- Agricultural irrigation
- Partial maintenance of the Mojave Tui Chub habitat
- Discharge to evaporation/percolation ponds

Recycled Water Use Sector	WY 2020 Estimated Use (AF)
Urban	480
Agriculture	110
Other	740
TOTAL	1,330

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Water Supply Data

- Total Water Use Summary

Use Category	WY 2020 Estimated Total
	Water Use (AF)
Groundwater Production	22,000
Recycled Water	1,330
TOTAL	23,330

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Other Data Collection

- Prop 1 Funding Data Collection Tasks

- Water Quality Sampling
- Isotope Sampling
- Installation of two precipitation stations
- Retrofit of two existing stream gages
- Aquifer testing
- Installation of remote monitoring and telemetry equipment at seven key wells
- Video logging of four monitoring wells (in kind services provided by Searles Valley Minerals)

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Water Year 2021 Tasks

- Continued DMS improvements for better basin management
- Re-evaluation of representative monitoring sites and establishment of sustainable management criteria
- Continued progress on developing and implementing Projects and Management Actions
- Additional data collection to fill data gaps
- Installation of additional dataloggers

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IWVGA ADMINISTRATIVE OFFICE

STAFF REPORT

TO: IWVGA Board Members **DATE:** April 14, 2021

FROM: IWVGA Staff

SUBJECT: **Agenda Item No. 8 – Board Consideration of the Shallow Well (Impacts) Mitigation Report Form**

DISCUSSION

It was estimated during development of the Groundwater Sustainability Plan (GSP) that as many as 97 shallow wells may have experienced impacts through 2018 as a result of overdraft conditions in the Indian Wells Valley Groundwater Basin (Basin). As discussed in GSP Section 4.3.1.2 and in GSP Appendix 3-E, the groundwater modeling results of GSP Management Scenario 6.2 indicated that even with implementation of GSP Projects and Management Actions—potentially 22 shallow wells could be impacted before other GSP Projects and Management Actions are fully implemented to achieve Basin sustainability. GSP Project No. 4 is to develop a “Shallow Well Mitigation Program” intended to address the potential overdraft-related impacts to shallow wells located within the Basin. The Shallow Well Mitigation Program is intended to provide direct benefits to groundwater users in the basin who have, or will have, experienced unreasonable water supply impacts as a result of overdraft conditions in the Basin.

The Shallow Well Mitigation Program was approved by IWVGA Board at its February 10, 2021 meeting. The approved Program included development of the Shallow Well Impacts Identification, Eradication, and Mitigation Plan, which is underway, and development of a Shallow Well Impacts – Report Form.

The first draft of the Report Form was released to the Staff Team and to the TAC in early March 2021, with comments requested by March 24th (about 3 weeks). Comments were received and incorporated, as appropriate, and a final draft has been prepared by Staff and is included in the Board packet.

ACTION(S) REQUIRED BY THE BOARD

Staff recommends the Board authorize staff to finalize the Report Form based upon Board direction, approve the final Report Form, and post the Report Form on the IWVGA website.



(DRAFT DATE MARCH 3, 2021)
(REDRAFT DATE MARCH 29, 2021)

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
(IWVGA)
REPORT FORM
FOR A
SHALLOW WATER SUPPLY WELL
NEGATIVELY IMPACTED BY CHRONIC
OVERDRAFTING OF GROUNDWATER
IN THE IWV BASIN

The IWVGA has approved the first phase of the “Shallow Well (Impacts) Mitigation Program”, Project No. 4 of the Authority’s Groundwater Sustainability Plan (GSP), January 2020. Phase one includes development of the “Program” and initial “Outreach, Identification and Evaluation.”

This “Report Form” is part of the “Outreach, Identification and Evaluation” for potentially negatively impacted shallow wells, occurring “after February 1, 2020”, per the GSP. This Mitigation program is intended to apply only to a qualified well failure due to negative impacts related to the Basin overdraft. This program will not provide funds or other support for the routine maintenance of a well, such as pump motor, drop pipe or drop wire replacement. All of the surface-related pumps, controllers, and storage tanks remain the sole responsibility of the owner.



The written Shallow Well (Impacts) Mitigation Program is being prepared by the IWVGA staff, it will be reviewed by the TAC and reviewed for adoption by the IWVGA Board. In accordance with the GSP, the evaluation process will include but not be limited to, an analysis of the following: (Note: (WO) indicates Well Owner responsibility and (GA) indicates Groundwater Authority responsibility.)

a) “Well Owner, Well and Well Hardware Identification and Description” (WO) Identification of the well owner, well location, well pump hardware and well pumping history. Well depth as drilled and casing and screen lengths installed? Depth of the pump intake as last installed? Depth to top of Screen, any unusual formation materials noted in the driller’s log, at the depth of the screen installation? Is this well declared to be de minimis?

b) “Nature of the Subject Well Failure” (WO) What is the nature of the well failure? Is the well failure a pumping failure or of a water quality nature? Has the well been inspected by a qualified well maintenance technician? Has the pumping unit been pulled and inspected? Is a recent water quality report available from a certified laboratory? What findings have been made?”

c) “Historical and Current Groundwater Levels and Quality and Potential Nearby Well Influences at the Subject Well Site” (GA) Establishment of the past and current groundwater levels, quality and trends in the area of the well under consideration. Where are other nearby wells located in relationship to this well? Are any of these production wells? If there are nearby production well(s) what is their pumping schedule and groundwater level effects? How much of the negative impacts observed are Basin wide effects?

d) “Relationship Between the Observed Well Failure and Groundwater levels and Quality Changes” (GA) Given the stated well failure noted in b) above and the circumstances found in the groundwater level and water quality noted in c) above, what



is the likely loss of efficiency or performance reduction to be expected? How does this behavior relate to the observed failure?

e) “Written Technical Analysis of the GA Responsibility to Effect a Repair of the Subject Well” (GA) How does the original well design, construction and age affect the findings of b), c) and d) above? What is the percentage of the owner’s responsibility for this failure? What is the GA recommendation for repair of this well failure?

DISCLAIMER: The IWVGA is under no legal obligation to fund or mitigate any negatively impacted wells in the Indian Wells Valley, regardless of the cause of the impact(s). Submission of this Report Form is for information purposes only and does not obligate the IWVGA to any mitigation costs or other support. The IWVGA may request additional information to supplement your completed Report Form, if it is not deemed complete. All information and data submitted to the IWVGA, related to this Report Form will remain confidential as permitted pursuant to the California Public Records Act , unless release is authorized, or the IWVGA addresses potential mitigation at a public meeting. Any shallow well mitigation plans addressed by the IWVGA will be held at a public meeting and will require public release of information and data related to your completed Report Form. The information requested below is consistent with the Notice of Groundwater Extraction Reporting for Pumping Verification – Questionnaire 1. In addition, the State of California Household Water Supply Shortage Report Form was used.

Please provide as much complete information as possible to expedite IWVGA review.

1. Please provide information on (at least one):
 - a. The legal fee title owner of the property in which the subject well is located.
 - b. The legal address of the subject property.
 - c. The Assessor’s Parcel Number (APN)



2. Is your well registered with the State of California? If so, please provide registration information.
3. Is your well registered with the IWVGA? If not, you must register your well before the IWVGA will review or consider your Shallow Well Impact Report.
4. Please provide as much information as you can about your well.
 - a. Date of well construction
 - b. Is your well declared de minimis?
 - c. Written description of well and photographs
 - d. Well log and driller's log, screen lengths, depth of top of first screen, current depth of pump intake
 - e. All available water level measurements
 - f. All available water quality information
 - g. All available pumping quantity information, including any available meter readings – monthly and annual
5. Please provide information on any and all maintenance, repair and improvements to your well since original construction and operation, and who performed to work.
 - a. Well casing refurbished, cleaning, scraping, jetting, redeveloping
 - b. Well casing modified or deepened
 - c. Pumping equipment maintenance, repair, improvements and replacements (size, intake depth, year)
 - d. Pumping equipment and pump bowl modifications and relocation (year and depth)
 - e. All other well and pumping equipment work, including any treatment or filters.
6. Please describe in detail the issues/problems your well is experiencing.
 - a. Well water and household fixtures contain sand, sediment, mud, other
 - b. Well pumps air (pump intake may/may not be lowered)
 - c. Well water quality has deteriorated – explain and provide available water quality data (period of water quality deterioration)
 - d. Well water static water levels have reduced or are reducing



- e. Well pumping flow rate has reduced – provide the amount of reduction and period of time
- f. Any other negative well impacts you can provide

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(DRAFT DATE MARCH 3, 2021)
(REDRAFT DATE MARCH 29, 2021)

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY
(IWVGA)
REPORT FORM
FOR A
SHALLOW WATER SUPPLY WELL
NEGATIVELY IMPACTED BY CHRONIC
OVERDRAFTING OF GROUNDWATER
IN THE IWV BASIN



REPORT FORM

- The IWVGA has approved the first phase of the “Shallow Well (Impacts) Mitigation Program”, Project No. 4 of the Authority’s Groundwater Sustainability Plan (GSP), January 2020. Phase one includes development of the “Program” and initial “Outreach, Identification and Evaluation.”
- This “Report Form” is part of the “Outreach, Identification and Evaluation” for potentially negatively impacted shallow wells, occurring “after February 1, 2020”, per the GSP. This Mitigation program is intended to apply only to a well failure due to negative impacts related to the Basin overdraft. This program will not provide funds or other support for the routine maintenance of a well, such as pump motor, drop pipe or drop wire replacement. All of the surface-related pumps, controllers, and storage tanks remain the sole responsibility of the owner.
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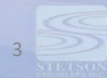
AGENDA ITEM 8



REPORT FORM (continued)

- **a) “Well Owner, Well and Well Hardware Identification and Description”** (WO) Identification of the well owner, well location, well pump hardware and well pumping history. Well depth as drilled and casing and screen lengths installed? Depth of the pump intake as last installed? Depth to top of Screen, any unusual formation materials noted in the driller’s log, at the depth of the screen installation? Is this well declared to be de minimis?
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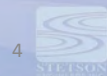
AGENDA ITEM 8



REPORT FORM (continued)

- **c) “Historical and Current Groundwater Levels and Quality and Potential Nearby Well Influences at the Subject Well Site”** (GA) Establishment of the past and current groundwater levels, quality and trends in the area of the well under consideration. Where are other nearby wells located in relationship to this well? Are any of these production wells? If there are nearby production well(s) what is their pumping schedule and groundwater level effects? How much of the negative impacts observed are Basin wide effects?

AGENDA ITEM 8



REPORT FORM (continued)

- **d) “Relationship Between the Observed Well Failure and Groundwater levels and Quality Changes”** (GA) Given the stated well failure noted in b) above and the circumstances found in the groundwater level and quality behavior noted in c) above, what is the likely loss of efficiency or performance reduction to be expected? How does this behavior relate to the observed failure?
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AGENDA ITEM 8



REPORT FORM (continued)

5. Please provide information on any and all maintenance, repair and improvements to your well since original construction and operation, and who performed to work.
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 - d. Well water static water levels have reduced or are reducing
 - e. Well pumping flow rate has reduced – provide the amount of reduction and period of time
 - f. Any other negative well impacts you can provide

AGENDA ITEM 8



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To: Carol Thomas, General Manager – IWVGA

From: Jeff Simonetti, Senior Vice President

cc: Michael McKinney
Todd Tatum
Steve Johnson, Stetson Engineering
Members of the IWVGA Board of Directors

Date: April 14, 2021

Subject: Project Update Memorandum for March 2021 activities

The following memo will serve as Capitol Core's update for activities that we completed in March:

2021 NDAA Priorities

In January, we worked with IWVGA staff and Minority Leader McCarthy's office to begin discussions regarding the 2021 National Defense Authorization Act (NDAA). Though the bill likely will not pass until later in the session, the initial bill markups will likely begin in April. We discussed our priorities with Rep. McCarthy's staff for the 2021 bill. They specifically include:

- 1) Secure programmatic annual funding for the Defense Community Infrastructure Program and prioritize resiliency projects.
- 2) Determine whether there are potential funding sources for authorization of the wastewater treatment plant.
- 3) Explore ways that the Department of Defense can work collaboratively with its existing water resource portfolio in California.

We will continue these discussions with Rep. McCarthy's staff in early April and we anticipate that the markup hearings will begin in late April or early May. We will also be briefing key members of the House and Senate Armed Services Committees on these priorities to determine their thoughts and comments on our proposed language.

2021 DCIP Funding Round

Capitol Core is monitoring the 2021 round of Defense Community Infrastructure Program (DCIP) funds coming from the DoD's Office of Local Defense Community Cooperation (OLDCC). The DoD renamed this Office from the Office of Economic Adjustment in the 2020 NDAA. As you will recall from the Annual Report discussion on the topic, the 2020 Congressional spending bill appropriated \$60 million to the DCIP for 2021, a \$10 million increase from the amount available in 2020. The 2020 NDAA also reprioritized the DCIP application "buckets" to the following order for 2021:

- 1) **Military Value:** Projects which have a direct impact on the mission status and readiness of the installation
- 2) **Resiliency:** Projects which address a scarcity issue that encroaches on military installation readiness or enhances the resiliency of the installation (e.g., infrastructure, transportation, communication)
- 3) **Military Family Quality of Life:** Projects affecting the value or quality of life of military personnel and dependent families (e.g., educational, recreational, cost reducing, physical wellbeing)

If the DCIP follows the same timing as last year, we anticipate that the program will likely release guidance and application procedures in April and have a call for applications in the May/June timeframe. We had initial coordination with Base Command (specifically Commander Benson) in March, and we plan to conduct further outreach with them as the DCIP application gets closer. We also met with the leadership of the Association of Defense Communities (ADC), the original authors of the DCIP. They are supportive of the request for increased programmatic funding for the program, and we will keep in regular contact with them to augment our advocacy for further DCIP funding.

Federal Legislation We are Monitoring – WIIN ACT Renewal

The Water Infrastructure Improvements for the Nation Act (S.612, 114th Congress, Cornyn R-TX) passed in 2016. The bill provided for a host of infrastructure projects in California including funding for major water storage projects. The bill did not include programmatic funding, and as such the departments that received funds expended most all of them. In February, California Congressmen Mike Garcia (R-Santa Clarita) and David Valadao (R-Hanford) introduced new legislation to reauthorize the WIIN Act. Since our last update on this bill, all Republican members of the California Congressional delegation including Minority Leader McCarthy have expressed their support for this bill. We will continue to brief the sponsors of this bill on its importance and to see if there are ways where we can potentially receive funding through it towards our programs.

Federal Legislation We are Monitoring – Infrastructure Bill and Potential Wastewater Funding

The status of the infrastructure bill remains in flux. As of now, the Biden Administration and Congressional Leadership continue to push for a \$2 trillion infrastructure funding bill. House and Senate Republicans indicate that they would like to see the infrastructure bill pared back to \$621 billion in spending. They contend that much of the infrastructure projects that President Biden proposed do not follow the traditional definition of infrastructure such as roads, bridges, transit improvements, etc. President Biden has indicated that he is willing to negotiate with Republicans, but he is also not ruling out the use of the Reconciliation process to pass this bill (as he did with the last round of stimulus). Senator Joe Manchin, who the Democrats need to make good on their Reconciliation procedure, has indicated a hesitancy to move forward with the process without involving Republicans.

As such, the bill is currently in a holding pattern until leadership makes a decision on how they want to proceed and what will be included in the bill. The appropriations cycle has also slowed. Congressional offices have indicated to us that they can accept appropriations requests until the end of the month. We will continue to monitor the progress on the infrastructure bill particularly related to the water provisions and will keep the Board and staff apprised on any necessary actions.

State Programs We are Monitoring – State Infrastructure Budget Line Items

Capitol Core had a productive meeting with the Governor’s Deputy Legislative Secretary for water issues specifically pertaining to the budget. The 2021 state budget likely will include two potential areas that we want to consider regarding funding sources. First, the proposed budget reinstates the \$60 million in monies to go towards assisting GSAs (particularly those in critical overdraft) in SGMA compliance. This provision was originally in the 2020 budget but got pulled during the May revise once the Governor knew the potential impact of the COVID economic downturn. The downturn did not affect state revenues nearly as significantly as initially feared, so the proposed budget reinstates this spending.

Second, the State received a significant amount of money from the latest federal stimulus bill. The bill includes monies that the state has pretty broad discretion as to how to spend. As such, the Governor’s staff anticipates that the May budget revise will include some monies given to the State Department of Water Resources for infrastructure projects. If the Legislature designates this money to DWR, DWR will disperse this funding through a competitive grant process. We are awaiting the details of the May revise to know for certain what is proposed. We will monitor the budget and keep you informed of any opportunities that may arise.

Other Activities in March

In addition to the items discussed above, we attended parts of the March Board meeting and continued to assist staff with determining and monitoring potential water supplies for the Groundwater Authority. We also had a productive initial meeting with Navy base command to discuss the DCIP process and to bring them up to speed on our timing of potential infrastructure.

Should you have any questions, please feel free to reach me at 909-568-5645.

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IWVGA March 2021 Report- Michael Sims (Lead Leak Detection Specialist-CRWA)

March 2: Conference call-CRWA SDAC Grant Status general discussion of work done thus far as well as the RSDAC work plan to use the rest of the budget allocated for this program.

March 9: Onsite full day system leak audit at Trona.

March 10: Onsite full day system leak audit at Trona. Team Strategy Dinner Meeting.

March 11: Onsite half day system leak audit at Trona.

March 11 Continued: Waiting for Jack GM at Inyokern CSD to find the missing meter boxes for us. Ask to mark with blue spray paint. So, we can finish the listening and map.

March 12: RSDAC Updated work plan for the additional systems identified within IWVGA for full system leak detection work plan revised with Stetson comments. I've highlighted the deliverable dates, beginning on page 5, for Jacob to review and enter the timeframe in which our team can complete each task.

March 19: Mapped boundaries for the additional six SDAC System on Diamond Maps.

March 23: Onsite full day system leak audit at Trona.

CRWA Leak Detection Team have been given the go ahead with the additional SDAC's work plan. I asked Jacob to contact each system, he sent out an email to all six systems with a follow up call. West Valley MWC reached out and I spoke with Kurt and gave him a timeline when we could schedule the systems visit. I also reached out to South Desert MWC and scheduled this system in April. The remainder I will wait to here if they reach out before I do.

March 24: Onsite full day system leak audit at Trona. Team Strategy Dinner Meeting.

March 25: Onsite half day system leak audit at Trona.

I've been in contacted with Tony Helton (Master Water Tech,) when I left on the 25th asking him if he could get an updated larger version map for Pioneer Point. Hopefully I get it at our next visit in April. The reason is the map I received from Audrey Schuyler is a very small print map with tiny writing. We would like/need a larger map to be able to see the information needed. This helps tremendously to have the correct locations of pipe diameter, valves, hydrants, backflow, etc.

March 29-31: Gathering data from team and inputting into Trona folder.

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WaterWise
Consulting, Inc.

"Conserving our natural resources for future generations"

WATER CONSERVATION REBATE PROGRAM

Indian Wells Valley Groundwater Authority Monthly Report

March 2021

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Rebecca Shields Moose

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Month Nine Summary

Overview

In June 2020 Indian Wells Valley Groundwater Authority (IWVGA) and WaterWise Consulting (WWC) entered into a contract to provide a rebate program to Severely Disadvantaged Communities (SDACs) within the IWVGA area. This water conservation program provides rebates to both residential and commercial sites for the installation of high-efficiency water devices. The program is funded for 10 months of administration, and is set to conclude in May 2021. In March work continued on managing response to marketing of the program.

Marketing and Outreach

The program launched in August. Program marketing began at launch and continued through March. The ad run placed in the weekly Swap Sheet finished after 4 weeks. These efforts generated some interest and two applications.

Program Applicants and Customer Service

Response to the program marketing remains low. Three incoming customer calls regarding the program came in response to the second postcard mailing and the swap sheet ad. Two applications were received, one of which came from a customer in the eligible area. The eligible applicant from February declined to participate in the program further, and the eligible applicant in March is still submitting materials for a complete application. Staff were available during business hours Monday through Friday for incoming calls, emails, and to mail out printed copies of applications or postcards as needed.

Budget

Total costs in January were \$5,250. This consisted of the \$5,000 monthly administration fee and hourly fees for program management. Remaining program budget at the end of March was \$90,750.

In Closing

Month Nine

With continued lack of applications and the end of the program approaching, month nine saw final outreach efforts to reach eligible customers. A second direct mailing to customers paired with the Swap Sheet ad produced some responses and two submitted applications, one of which was eligible for the program. The deadline for applications at the end of March left the program with one eligible customer in process. The intent of our service in April will be to continue to assist any further interested customers apply and receive rebates if possible during the month.

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