

**Wheeler Ridge-Maricopa Water Storage District
Wheeler Ridge-Maricopa GSA
Regular Board Meeting**

Wednesday, February 14, 2024 @ 8:00 A.M.

District Headquarters Board Room

12109 Hwy 166, 6.5 miles west of Mettler, CA

Or via GoToMeeting

(Optional Remote Public Participation Only – See NOTICE Below)

Conference Line: +1 (872) 240-3212

Access Code: 211-452-397

<https://www.gotomeet.me/WRMWS>

NOTICE: Members of the public interested in participating remotely via GoToMeeting may do so using the call-in information above or by following this [link](#). Please note that this option is provided as a courtesy and at the participant's own risk. The District cannot guarantee that there will be no loss of connectivity or other technological obstacle to full participation through via GoToMeeting. By participating in this way, participants confirm that they understand this risk and that the Board is not obliged to delay any portion of the meeting due to such technological obstacles and thus via GoToMeeting participants may be unable to participate.

A G E N D A

8:00 1. Call to Order

2. Closed Session

Conference with Legal Counsel Re: Existing Litigation (Govt. Code § 54956.9(a)):

1. *DWR v. All Persons Interested, etc. "Complaint for Validation" Re: SWP Contract Extension Amendment (Sacramento County Sup. Ct., Case No. 34-2018-00246183, 3rd Appellate Dist., Case No. C096316, and related cases and appeals)*
2. *Sierra Club v. DWR v. All Persons Interested, etc., consolidated CEQA Case and "Complaint for Validation" Re: Delta Program Revenue Bonds, Sacramento County Sup. Ct., Case No. 34-2020-80003517*
3. *CDWR Environmental Impact [WaterFix] Cases, Sacramento County Sup. Ct., Case No. JCCP No. 4942*
4. *Rosedale-Rio Bravo Water Storage District v. Kern County Water Agency, et al., Kern County Superior Court, Case No. BCV-21-100418*
5. *KWBA, et al. v. Kern LAFCo, et al., Kern County Sup. Ct., Case No. BCV-21-101310-GP*
6. *Friends of the River, et al., v. Sites Project Authority, Yolo County Sup. Ct., Case No. CV2023-2626*

Conference with Legal Counsel - Anticipated Litigation: Initiation of Litigation (Govt. Code § 54956.9(d)(4)):

7. *Two Potential Cases*

Conference with Legal Counsel - Anticipated Litigation: Significant Exposure to Litigation (Govt. Code § 54956.9(d)(2)):

8. *Two Potential Cases*

9:15 Open Session Pledge of Allegiance

3. Attorney's Report

Torigiani (5 mins)

1. Report from Closed Session (Gov. Code § 54957.1)
2. Legislative, Executive, Regulatory, and Legal Matters

4. Minutes

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1. Approval of Minutes of the Regular Board Meeting January 10, 2024
2. Approval of Minutes of the Special Board Meeting January 18, 2024

Atkinson (2 mins)

5. Financial Reports

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1. Filing of Treasurer's Report
2. Approve Payment of Accounts Payable
- 2.1 Director Compensation and Expense

Mettler (5 mins)

Mettler (5 mins)

Mettler (2 mins)

6. **Controller's Report**
 1. Budget Expenditures Report for December 2023 *Mielke* (5 mins)
7. **President's Report** *Atkinson* (5 min)
8. **Engineer-Manager's Report**
 1. Filing of the Monthly Report *Nicholas* (5 mins)
 2. Water Supply – **2024 SWP Initial Allocation of 10%** *McDaris* (15 mins)
 a. 2024 Water Supply/Demand Estimate
 * b. Declaration of Water Shortage – 2024 User Input Program
 * c. WS5 Water Transfer Agreement -Exchange Contractors
 * d. 2024 Recovery Options
 e. Other Purchases/Exchanges
 * 3. Approval of Amendment No. 3 to Solar Services Agreement *Nicholas* (10 mins)
 with Tadashi Solar, LLC
 * 4. Commendation and Expression of Appreciation for Michael Pilatti *Nicholas* (10 mins)
 - **Resolution Required**
 * 5. Approval of Contract for SCADA Services for District System *Nicholas* (10 mins)
 * 6. Establishing the 2024 Groundwater Service Charge (GWSC) Rate *McDaris* (15 mins)
 * 7. Authorization to Support Produced Water Planning Grant Application *McDaris* (10 mins)
 - **Resolution Required**
 8. State Water Project / Delta Conveyance Project *Nicholas* (5 mins)
 9. Sites Reservoir *Kunde* (10 mins)
 10. WRMGSA - Projects & Management Actions Committee Report *Nicholas* (15 mins)
 a. Preliminary and Draft Groundwater Allocation Policy
 * b. Approval of GEI Consultants' Task Order for 2023 Cost Overrun
 * c. Approval of Kern Subbasin Exceedance Policy
 d. Discussion of GSA Administration Charge
9. **Reports**
 1. Director's Reports on Meetings Attended
 2. Kern County Water Agency *McDaris* (5 mins)
 3. Kern Water Bank Authority *Nicholas* (5 mins)
 4. South of Kern River GSP *Nicholas* (5 mins)
 5. White Wolf Groundwater Sustainability Agency *Nicholas* (5 mins)
 6. Kern River Watershed Coalition Authority *Blaine* (5 mins)
 7. Committee for Delta Reliability *Nicholas* (5 mins)
 8. South Valley Water Resource Authority *Nicholas* (5 mins)
10. **Unfinished and New Business**
 1. Form 700's – Due April 2, 2024 *Ruth* (2 mins)
 2. WAKC – Water Summit March 7, 2024 *Ruth* (2 mins)
11. **Public Comments**
12. **Adjournment**

*These items may require Board action and may be moved to earlier in the meeting to ensure the maximum number of Directors are present.

Posted pursuant to Government Code § 54954.2(a) at least 72 hours prior to said meeting.

By: Danyel Ruth

February 9, 2024

Per Govt. Code § 54953.2 and § 54961, requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in this meeting should be made to the Administrative Assistant (phone 661-527-6068) in advance of the meeting to ensure availability of the requested service or accommodation.

**Per Govt. Code § 54954.3(a), A member of the public may comment on any matter on the agenda, before or during the Board's consideration of the matter (and in the case of a closed session matter immediately before the Board goes into closed session) upon being recognized by the President and subject to any time constraints the President may impose from time to time.

**Minutes of the Regular Board Meeting
of the Board of Directors of the
Wheeler Ridge-Maricopa Water Storage District and
Wheeler Ridge-Maricopa Groundwater Sustainability Agency
Convened at 8:00 A.M., January 10, 2024**

The meeting of the Board of Directors of the Wheeler Ridge-Maricopa Water Storage District and Wheeler Ridge-Maricopa Groundwater Sustainability Agency was held at the District's office, with optional public participation made available through teleconference via GoToMeeting on Wednesday January 10, 2024, at the hour of 8:00 A.M. President Atkinson declared a quorum was present and called the meeting to order.

Directors Present in Person. Atkinson, Blaine, Fry, Lyda, Marin, Mettler, Reiter, Richardson, Valpredo.

Directors Absent. None.

Others Present at 8:00 A.M. Engineer-Manager Sheridan Nicholas and Attorney for the District Steve Torigiani.

Others Present at 9:03 A.M. Engineer-Manager Sheridan Nicholas, Attorney for the District Steve Torigiani, Water Resource Manager Eric McDaris, Staff Engineer Tom Suggs, Contract Administrator Flower Duenas, Staff Accountant Kelly Mielke, Retired Annuitant Rob Kunde, Executive Assistant Danyel Ruth, Trey Irwin with Tejon Ranch, and Nicole Bonna with Manulife.

8:00 A.M. Closed Session. The Board convened in Closed Session to consider the following matters:

Conference with Legal Counsel Re: Existing Litigation (Govt. Code § 54956.9(a)):

1. *DWR v. All Persons Interested, etc. "Complaint for Validation" Re: SWP Contract Extension Amendment (Sacramento County Sup. Ct., Case No. 34-2018-00246183)*
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Conference with Legal Counsel - Anticipated Litigation: Initiation of Litigation (Govt. Code § 54956.9(d)(4)):

7. *Two Potential Cases*

Conference with Legal Counsel - Anticipated Litigation: Significant Exposure to Litigation (Govt. Code § 54956.9(d)(2)):

8. *Two Potential Cases*

9:03 A.M. Open Session. Mr. Torigiani stated there was no reportable action taken in closed session.

Legislative Matters. Mr. Torigiani noted that California legislative session has just begun, and there was little to report at this time. He did note the ACWA State Legislature Committee would be meeting soon, and he would have more information for the Board in February.

Minutes. Upon motion from Director Fry, seconded by Director Marin and unanimously carried with no abstentions, *The Minutes of the Regular Board Meeting of Directors ... Convened December 13, 2023* were approved and filed.

Filing of the Treasurer's Report. Treasurer Mettler presented and reviewed the *Treasurer's Report for*

the Month of December 2023. Upon motion from Director Mettler, seconded by Director Marin and unanimously carried with no abstentions, the *Treasurer's Report for the month of December 2023* was approved and filed.

Approve Payment of Accounts Payable. Treasurer Mettler presented and reviewed the *Accounts Payable for the month of December 2023*, and the *Reimbursements and Transfers for the month of December 2023*. Upon motion from Director Mettler, seconded by Director Marin and unanimously carried with no abstentions, the *Accounts Payable for the Month of December 2023* - and the *Reimbursements and Transfers for the Month of December 2023* was approved and filed.

Approval of Annual Investment Policy. Mr. Smith reviewed his January 10, 2024 memorandum to the Board entitled *Annual Investment Policy*, and the 3 attached Statement of Investment Policy. Upon motion from Director Lyda, seconded by Director Marin and unanimously carried with no abstentions, the Board Approved Resolution 2024-01 in the matter of:

**ADOPTING AN ANNUAL INVESTMENT POLICY FOR THE
WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT**

Delinquent Accounts Report. Mr. Smith reported that the District received payment from the final delinquent landowner at the end of December. All accounts are current going into 2024.

Budget Expenditures Report for November 2023. Ms. Mielke reviewed the Budget Expenditure Report for November 2023.

President's Report. Nothing to report.

Engineer-Manager's Report. Mr. Nicholas noted that 2023 irrigation deliveries were 157,125 acre-feet, which is considerably less than the long-term delivery amounts when the District had a full surface supply. He further noted that staff would be reviewing crop maps to determine the significant differences.

2024 Water/Supply Demand Estimate. Mr. McDaris reviewed the 2024 Water/Supply Demand Estimate.

Approval of KCWA Indemnification Agreement. Mr. McDaris reviewed his January 4, 2024 memorandum to the Board entitled *Kern County Water Agency - 2024 Indemnification Agreement*. Upon motion from Director Reiter, seconded by Director Marin and unanimously carried with no abstentions the Board authorized the Engineer-Manager to execute the attached indemnification agreement with the Kern County Water Agency for 2024 transfers and exchanges.

General Authorization for Water Purchases. Mr. Mc Daris reviewed his January 5, 2024 memorandum to the Board entitled *General Authorization for Water Purchases*. Upon motion from Director Reiter, seconded by Director Fry and unanimously carried with no abstentions the Board authorized the Engineer-Manager to execute any water agreements in 2024 (subject to review by Counsel and final approval of the Engineer-Manager) and purchase water supplies that fall in accordance with the following characterized criteria:

- (a) purchase any water supplies available at a cost not to exceed \$650 per acre-foot,
- (b) purchase any water supplies available at a cost not to exceed \$1,500 per acre-foot subject to Water User subscription requests, and
- (c) purchase any recharge water supplies available at a cost not to exceed \$400 per acre-foot.

Water supplies that cost more per acre-foot than the amounts categorized herein would require separate Board approval for authorization.

Other Purchases and Exchanges. Nothing to report.

Interim District Policy for Landowner Recharge and GWSC. Mr. Nicholas reviewed his January 8, 2024 memorandum to the Board entitled *Interim District Policy for Landowner Recharge and GWSC*. Upon motion from Director Lyda, seconded by Director Marin and unanimously carried with no abstentions the Board authorized the Interim District Policy for Landowner Recharge and Groundwater Service Charge as detailed and included in the January 8, 2024 memorandum, except for amending Rule 2 as follows: “The groundwater account is subject to a 10% loss factor. If at some time the applicable GSA modifies the loss factor, the revised loss factor will apply only on accounts recharged subsequent to said change.”

Commendation and Expression of Appreciation for Michael Pilatti. This item was tabled.

2024 Mobile Lab Funding and 2023 Annual Report. Mr. Nicholas reviewed his January 7, 2024 memorandum to the Board entitled *2024 Mobile Lab Funding and 2023 Annual Report*. He also stated that the District’s yearly contribution was included in this month’s Accounts Payables.

State Water Project/Delta Conveyance Project. Mr. Nicholas noted the DCP EIR was finalized, DWR certified the final EIR and approved the project, and that we should expect lawsuits soon challenging the EIR.

Mr. Kunde reviewed the State Water Contractors Annual Science Report.

Sites Reservoir. Mr. Kunde reviewed his portion of the Engineer-Manager Report.

WRMGSA - Projects and Management Actions Committee Report. Mr. Nicholas reported there was no meeting held in December, the next meeting was scheduled for January 18, 2024. He also stated that staff expect to have the revised Groundwater Allocation document available and distributed shortly.

WRMGSA - Approval of Costs for Todd Groundwater, Gei Consultants, and Rincon Consultants. Mr. Nicholas then reviewed his January 7, 2024 memorandum to the Board entitled *Approval of Costs for Todd Groundwater, GEI Consultants, and Rincon Consultants*. Upon motion from Director Fry, seconded by Director Marin and unanimously carried with no abstentions the Board authorized the Engineer-Manager to execute: Todd Groundwater’s Proposal for Preparation of WY 2023 Kern Subbasin Annual Report; GEI Consultant’s Task Order for Kern Subbasin Data Management System; and the Amendment to Rincon Consultants, Inc.’s Contract Agreement for Kern County SGMA Plan Manager Support.

Directors Meeting Attended. Nothing to report.

Kern County Water Agency. Mr. McDaris reported that the Agency had approved the one year lease of the Western Hills WD supply with the Kern westside districts.

Kern Water Bank. Mr. Nicholas reported that the KWB had a record recharge year in 2023, recharging an estimated 609 thousand acre-feet.

South of Kern River GSP. Mr. Nicholas reviewed the latest regarding the Kern Subbasin and the South of Kern River GSP group, noting the estimated SWRCB probationary hearing date for the Kern Subbasin has been moved from April 2024 to January 2025.

White Wolf Groundwater Sustainability Agency. No meeting.

Kern River Watershed Coalition Authority. No meeting. The next meeting will be held February 1, 2024.

Committee for Delta Reliability. No meeting.

South Valley Water Resource Authority. Mr. Nicholas reported on the December SVWRA meeting.

Unfinished and New Business. Executive Assistant Danyel Ruth announced that Form 700's had been sent out and were due in April.

Public Comments. None.

Adjournment. With no further business the meeting was adjourned at 10:23 a.m.

Respectfully submitted:
[Seal]

Secretary of the Board

List of Abbreviations:

ACWA	Association of California Water Agencies
ADM SSC	Administrative Service Charge, for basic administrative costs, non-project in nature, benefiting both SWSA and groundwater service area
AECA	Agricultural Energy Consumers Association
Agency	Kern County Water Agency
AWMP	Agricultural Water Management Plan
BDCP	Bay Delta Conservation Plan
BDS	Bond Debt Service
CAW	Contract Amount of Water totaling 200,818 acre-feet between the District & Water Users
CEQA	California Environmental Quality Act
CFWC	California Farm Water Coalition
COBRA	Consolidated Omnibus Budget Reconciliation Act
CVC	Cross Valley Canal
CVP	Central Valley Project (operated by the U.S. Bureau of Reclamation)
CWF	California WaterFix delta conveyance program (previously DHCCP)
DCA	Delta Conveyance Authority
DCF	Delta Conveyance Facility
DCP	Delta Conveyance Project
DFW	California Department of Fish and Wildlife
DHCCP	Delta Habitat Conservation and Conveyance Program - the conveyance element of the BDCP - renamed the California
District	Wheeler Ridge-Maricopa Water Storage District
DOG	California Division of Oil & Gas
DWR	California Department of Water Resources
DYTP	Dry Year Transfer Program
EIR	Environmental Impact Report
FAA	Final Accounting Adjustment
FO	Fixed Obligation water rate
FWS	U.S. Fish and Wildlife Service
GEN	GSC General Service charge, for recovery of Bond Debt for general purposes in the District
GL	General Ledger
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GWSC	Groundwater Service Charge
ILRP	Irrigated Lands Regulatory Program
IRWMP	Integrated Regional Water Management Plan
ITRC	Irrigation Training and Research Center
JPIA	Joint Powers Insurance Authority
KCWA	Kern County Water Agency or Agency
KFMC	Kern Fan Monitoring Committee
KGA	Kern Groundwater Authority
KRGSA	Kern River Groundwater Sustainability Agency
KRWCA	Kern River Watershed Coalition Authority
KWB	Kern Water Bank
KWBA	Kern Water Bank Authority
ITP	Incidental Take Permit
MOU	Memorandum of Understanding
MWD	Metropolitan Water District
NoD	North of the Delta
NonC	Non-Contract Charges
OMR	Operations, Maintenance and Repair, not to be confused with OMR of Old Middle Rivers
OMR	Old and Middle Rivers in the Sacramento-San Joaquin Delta
OSHA	Occupational Safety and Health Administration
PEF	Pastoria Energy Facility
PoE	Probability of Exceedance
PROJ	SSC Project Service Charge, for project costs related to, but not specific to a particular system
RWQCB	Regional Water Quality Control Board
SGMA	Sustainable Groundwater Management Act
SLR	San Luis Reservoir
SoD	South of the Delta
SOKR	South of Kern River
SSC	Special Service Charge, consists of ADM SSC, GEN SSC and PRO SSC
SSJVWQC	Southern San Joaquin Valley Water Quality Coalition
SVWRA	South Valley Water Resources Authority
SWC	State Water Contractors
SWP	State Water Project (operated by DWR)
SWRCB	State Water Resources Control Board
SWSA	Surface Water Service Area or contracted acreages
WAC	Water Availability Charge, consists of BDS, OMR & FO
Water User	A landowner holding a Water Service Contract with the District
WD	Water District
WRMWSA	Wheeler Ridge-Maricopa Water Storage District
WSS	Westside 5 Water Districts - Belridge, Berrenda Mesa, Dudley Ridge, Lost Hills & Wheeler Ridge
WSC	Water Service Contract
WSD	Water Storage District
WUC	Water Use Charge, consists of State Pumping/Variable and District Pumping/Variable
WWGSA	White Wolf Groundwater Sustainability Agency

**Minutes of the Special Board Meeting
of the Board of Directors of the
Wheeler Ridge-Maricopa Water Storage District and
Wheeler Ridge-Maricopa Groundwater Sustainability Agency
Convened at 10:00 A.M., January 18, 2024**

The meeting of the Board of Directors of the Wheeler Ridge-Maricopa Water Storage District and Wheeler Ridge-Maricopa Groundwater Sustainability Agency was held at the District's office, with optional public participation made available through teleconference via GoToMeeting on Thursday January 18, 2024, at the hour of 10:00 A.M. President Atkinson declared a quorum was present and called the meeting to order.

Directors Present in Person. Atkinson, Blaine, Fry, Lyda, Marin, Valpredo.

Directors Absent. Mettler, Reiter, Richardson.

Others Present at 10:00 A.M. Engineer-Manager Sheridan Nicholas, Attorney for the District Steve Torigiani, Director of Water Resource Eric McDaris, Executive Assistant Danyel Ruth and Gary Romoff with Sun Pacific.

10:00 A.M. Open Session. Mr. McDaris presented and reviewed the revised draft and preliminary Groundwater Allocation document with the Board. After some discussion, questions and recommendations from the Board and the public, staff stated they would present the revised document to the Board at its regular February meeting. The Committee also requested that staff do a full public mailing to all landowners, and to schedule landowner workshops.

Unfinished and New Business. None.

Public Comments. None.

Adjournment to Closed Session.

10:49 A.M. Closed Session. The Board convened in Closed Session to consider the following matters:

Conference with Legal Counsel - Anticipated Litigation: Significant Exposure to Litigation (Govt. Code § 54956.9(d)(2)):

1. *One Potential Cases*

Adjournment. The Board reconvened to open session, it was reported that no action was taken in Closed Session, and with no further business the meeting was adjourned at 11:28 a.m.

Respectfully submitted:

[Seal]

Secretary of the Board

List of Abbreviations:

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CWF	California WaterFix delta conveyance program (previously DHCCP)
DCA	Delta Conveyance Authority
DCF	Delta Conveyance Facility
DCP	Delta Conveyance Project
DFW	California Department of Fish and Wildlife
DHCCP	Delta Habitat Conservation and Conveyance Program - the conveyance element of the BDCP - renamed the California
District	Wheeler Ridge-Maricopa Water Storage District
DOG	California Division of Oil & Gas
DWR	California Department of Water Resources
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EIR	Environmental Impact Report
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GSP	Groundwater Sustainability Plan
GWSC	Groundwater Service Charge
ILRP	Irrigated Lands Regulatory Program
IRWMP	Integrated Regional Water Management Plan
ITRC	Irrigation Training and Research Center
JPIA	Joint Powers Insurance Authority
KCWA	Kern County Water Agency or Agency
KFMC	Kern Fan Monitoring Committee
KGA	Kern Groundwater Authority
KRGSA	Kern River Groundwater Sustainability Agency
KRWCA	Kern River Watershed Coalition Authority
KWB	Kern Water Bank
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WWGSA	White Wolf Groundwater Sustainability Agency

**WHEELER RIDGE - MARICOPA WATER STORAGE DISTRICT
TREASURER'S REPORT FOR THE MONTH OF **JANUARY 2024****

**02/14/2024 - packet
GENERAL FUND**

FUNDS ON DEPOSIT:

BALANCE AS OF:	12/31/2023	43,856,720.12
PLUS CASH RECEIVED FOR: (cash receipts/laif/camp interest)	01/2024	904,992.19
LESS CASH EXPENDED DURING MONTH FOR:	01/2024	(1,987,705.71)
(dec, pr, ap, cdr, mnl, fees - jan pr burdens, ee net, taxes, inv)		

FUNDS ON RECONCILED DEPOSIT AT END OF MONTH:

42,774,006.60

THE ABOVE FUNDS ARE ON DEPOSIT AS FOLLOWS:

WELLS FARGO BANK NA - (GL) CASH BALANCE	255,256.68
KCT-POOLED INVESTMENTS - (G/L) CASH BALANCE	7,024,811.01
LAIF-POOLED INVESTMENTS - (GL) CASH BALANCE	1,990.28
CAMP-POOLED INVESTMENTS - (GL) CASH BALANCE	35,491,948.63

42,774,006.60

INTEREST APPORTIONMENT PERCENTAGE (ANNUALIZED)

MONTH ENDING JANUARY 31, 2024	-----	CAMP	5.540%
MONTH ENDING DECEMBER 31, 2023	-----		5.550%
MONTH ENDING NOVEMBER 30, 2023	-----		5.580%
MONTH ENDING OCTOBER 31, 2023	-----		5.560%

INTEREST APPORTIONMENT PERCENTAGE (ANNUALIZED)

QUARTER ENDING DEC 31,2023	-----	KCT	3.146%
QUARTER ENDING SEP 30,2023	-----		2.909%
QUARTER ENDING JUN 30,2023	-----		2.650%
QUARTER ENDING MAR 31,2023	-----		2.417%

ALL FUNDS ARE PLACED IN ACCORDANCE WITH THE DISTRICT'S INVESTMENT POLICY AND GUIDELINES. SUFFICIENT CASH FLOW EXISTS TO MEET BUDGETED OBLIGATIONS FOR THE NEXT SIX MONTHS.

CASH RECEIVED (KERN COUNTY TREASURER/LAIF/WELLS FARGO/CAMP) DURING MONTH AS FOLLOWS:

MANUAL INVOICES	298,667.37
CONTRACT WATER PAYMENTS	274,064.25
PROP 68 SGMA GRANT REIMBURSEMENT - kern grounwater authority	15,136.40
INTEREST QUARTER ENDING 12/31/2023 - kern county auditor/controller	151,491.52
LAIF - interest quarter ending 12/31/2023	19.80
CAMP - interest month ending 01/31/2024	165,612.85

Cash Receipts Summary for KCT & CAMP

904,992.19

OPERATING RESERVE FUND BALANCE: audited 12/31/2022

23,391,974.00

WHEELER RIDGE - MARICOPA WATER STORAGE DISTRICT
AUDITED RESERVE FUND BALANCES AS OF DECEMBER 31, 2022 PLUS ESTIMATED ADJUSTMENTS

2/14/2024 Board Packet

<u>INTERNALLY CONSTRAINED RESERVES</u>	DRAFT AUDIT <u>12/31/2022</u>	2023/2024 Adjustments		Adjusted <u>2/9/2024</u>
OPERATING RESERVE FUND	23,391,974	(14,817,206)	(1)	8,574,768
EQUIPMENT REPLACEMENT RESERVE FUND	3,430,967			3,430,967
GROUND WATER REPLENISHMENT RESERVE FUND	38,576,115	(22,108,972)	(2)	16,467,143
CONTINGENCY RESERVE FUND	10,953,195	(914,191) (197,088)	(3) (4)	9,841,916
WATER BANKING CAPITAL RESERVE FUND	4,280,676			4,280,676
WATER BANKING REPLACEMENT RESERVE FUND	10,597	46,708 50,645 147,073	(5) (6) (7)	255,023
WELL REPAIR RESERVE	548,286	(1,095,445)	(8)	(547,159)

TOTAL RESERVE FUNDS INTERNALLY CONSTRAINED	81,191,810	(38,888,476)		42,303,334
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THIS AMOUNT IS SHOWN AS AN UNCONSTRAINED RESERVE. THIS IS MISLEADING AS THE BOARD HAS NOT DESIGNATED SUCH A RESERVE, AND IT IS NOT A CASH ASSET (COMPARE THE \$92.9 MILLION OF TOTAL RESERVES TO THE \$49.5 MILLION OF CASH EQUIVALENTS ON PAGE 11 OF THE 2022 AUDIT.

	11,740,258	38,888,476		50,628,734
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UNRESTRICTED NET ASSETS	92,932,068	0		92,932,068
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- (1) Kern County Water Agency - January 2024 payment, less Water User 2024 installments received
- (2) Estimated Groundwater Replenishment expense in 2023
- (3) CalPERS - UAL (refund in 2024 with OM&R/SSC charges)
- (4) CDR 2023 Assessment
- (5) KWBA 2021 Capital Fee Reconciliation
- (6) KWBA 2021 Operations Distribution
- (7) KWBA 2019 4% Water
- (8) 2023 Well repairs to date

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

ACCOUNTS PAYABLE

JANUARY 2024

						5.2
ID	NAME	DATE	INVOICE	AMOUNT	DESCRIPTION	5,000+
B125	ROBERT CLAFFY	1/31/2024	01312024	25.00	JAN. WATER TREATMENT	
B136	MARK DELEON	1/31/2024	01312024	462.30	TRANSPORTATION	
B137	KEVIN EATON	1/31/2024	01312024	221.10	TRANSPORTATION	
B206	AUSTIN MONROE	2/12/2024	2122024	160.00	CAPCA MEMBERSHIP	
B210	KAIDEN MEADOWS	2/12/2024	2122024	225.00	BOOTS	
B207	CHRISTOPHER NICHOLAS	1/26/2024	01262024	40.00	SAN JOAQUIN AMPP CHAPTER MTG	
B211	ADRIAN MARTINEZ	1/31/2024	01312024	120.60	TRANSPORTATION	
B214	KELLY MIELKE	1/31/2024	01312024	442.20	TRANSPORTATION	
B222	ANGIE MONTES	1/10/2024	01102024	95.00	FOOD - BOARD MEETING	
B261	RICHARD RICE	12/31/2023	12312023	39.30	TRANSPORTATION	
B281	OSCAR SANDOVAL	1/24/2024	01242024	294.80	MILEAGE - SCADA TRAINING	
B301	COREY WILKERSON	1/31/2024	01312024	25.00	SAFETY MEETING - JAN. 2024	
C0930	661 COMMUNICATIONS	1/31/2024	1845	167.49	INSTALL RADIO #165	
C0930	661 COMMUNICATIONS	1/31/2024	1846	402.19	BATTERIES	
C1064	AFTW HOLDINGS, LLC	12/31/2023	"AFTW" 12-2023	38,246.43	WHEELER #1 SOLAR CHARGES	38,246.43
C1083	"ALL THAT LETTERING" SIGN CO.	1/24/2024	7412	216.50	DECALS	
C1111	AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION	11/1/2023	11012023	92.00	MEMBERSHIP RENEWAL	
C1116	APEX INDUSTRIAL SUPPLY INC.	1/15/2024	5105	135.39	PLIERS/COVERALLS	
C1116	APEX INDUSTRIAL SUPPLY INC.	2/5/2024	5117	2,406.82	GASKETS/GREASE	
C1116	APEX INDUSTRIAL SUPPLY INC.	1/16/2024	5107	253.28	BRASS HAMMERS	
C1183	ARVIN EDISON WATER STORAGE DISTRICT	12/31/2023	23-42	2,261.67	SOKR GSP	
C1192	AVADINE	1/31/2024	112962	1,000.00	LATIS - MAINTENANCE/SUPPORT	
C1210	B.S.& E. CO., INC.	1/11/2024	01112024	444.04	TRAILER RENTAL	
C1238	BAKERSFIELD DRUG TESTING	1/5/2024	WHEELERR10	50.00	DOT COLLECTION	
C1240	BAKERSFIELD ELECTRIC MOTOR REPAIR INC	1/29/2024	L80571	5,899.62	REWIND MOTOR/BEARINGS	
C1240	BAKERSFIELD ELECTRIC MOTOR REPAIR INC	1/18/2024	L80533	15,887.57	REWIND/REPAIR MOTOR	21,787.19
C1247	BAKERSFIELD ICE	1/31/2024	888902	718.99	RENTAL/ICE	
C1250	BAKERSFIELD PAINT AND WALLPAPER	1/31/2024	L0019136	44.03	PAINT SUPPLIES	
C1250	BAKERSFIELD PAINT AND WALLPAPER	1/5/2024	L0018053	142.83	PAINT SUPPLIES	
C1250	BAKERSFIELD PAINT AND WALLPAPER	2/6/2024	L0019347	842.49	PAINT SUPPLIES	
C1250	BAKERSFIELD PAINT AND WALLPAPER	2/7/2024	L0019393	20.84	PAINT SUPPLIES	
C1277	B & R SUPPLY, INC.	1/12/2024	1900996090	404.57	COUPLERS/PLUGS	
C1277	B & R SUPPLY, INC.	1/31/2024	1900996764	538.50	BATTERIES	
C1286	BARBICH HOOPER KING DILL HOFFMAN	1/1/2024	150623	4,020.00	INTERVIEWS - ASST CONTROLLER	
C1312	FOSTER & FOSTER, INC.	2/9/2024	29967	3,000.00	GASB 75 REPORT	
C1358	BOOT BARN INC.	1/10/2024	01102024	189.97	BOOTS - MELLO	
C1358	BOOT BARN INC.	1/6/2024	01062024	194.84	BOOTS - RAMIREZ	
C1358	BOOT BARN INC.	1/4/2024	01042024	225.00	BOOTS - MONROE	
C1390	JIM BURKE FORD	1/8/2024	01082024	103.24	REPLACE WINDOW #155	
C1431	CAL LOWBED SERVICE	1/29/2024	20174115	490.50	TRANSPORT EXCAVATOR	
C1431	CAL LOWBED SERVICE	2/5/2024	20174140	490.50	TRANSPORT EXCAVATOR	
C1433	CAL STATE COMMUNICATIONS	12/12/2023	1640	39.43	HARDWARE - FIBER	
C1433	CAL STATE COMMUNICATIONS	12/14/2023	1650	837.80	LABOR - FIBER	
C1433	CAL STATE COMMUNICATIONS	2/9/2024	1752	12,115.64	INSTALL SECURITY CAMERAS	
C1433	CAL STATE COMMUNICATIONS	1/19/2024	1716	4,124.92	REPAIR - FIBER OPTIC	17,117.79
C1439	CALI COATINGS LLC	1/23/2024	3883	487.13	SPRAY BEDLINER #165	
C1451	CALIFORNIA INDUSTRIAL RUBBER	1/15/2024	B-041327	1,811.82	PVC PIPE/AIR HOSES	
C1451	CALIFORNIA INDUSTRIAL RUBBER	1/8/2024	B-041428	1,039.20	BLACK UHMW	
C1456	CANON FINANCIAL SERVICES, INC.	2/14/2024	2142024	820.57	LEASE - 2 CANON COPIERS	
C1525	CNA SURETY	2/9/2024	64909318	126.66	BOND - LYDA	
C1530	COASTLINE EQUIPMENT	1/19/2024	1094651	110.63	BOLTS	
C1530	COASTLINE EQUIPMENT	1/17/2024	1093906	1,218.63	BOLTS/CUTTING EDGES	
C1530	COASTLINE EQUIPMENT	1/23/2024	1095822	2,089.59	SERVICE MINI EX - #797	
C1530	COASTLINE EQUIPMENT	1/29/2024	1097306	3,623.40	COMPRESSORATOR/COIL	7,042.25
C1576	CONEXUS SG	1/27/2024	240127WHEESU	750.00	BACKUP DATABASES	
C1583	CONSUMERS PIPE & SUPPLY CO.	2/5/2024	2052024	28,224.37	REM BALANCE - VALVES	28,224.37
C1601	CORE & MAIN LP	1/3/2024	T902730	86.60	10 - 1x3-1/2 NIPPLES	
C1601	CORE & MAIN LP	1/12/2024	U160710	5,520.75	3 - 14" COUPLINGS	5,607.35
C1625	DANIELS TIRE SERVICE	1/19/2024	240173680	1,425.58	TIRES	
C1625	DANIELS TIRE SERVICE	2/6/2024	240174497	1,555.48	8 TIRES- STOCK	
C1633	DAVID JANES COMPANY	1/24/2024	0426593-IN	262.01	HOOKS	
C1643	DELL BUSINESS CREDIT	1/11/2024	01112024	8,922.97	COMPUTERS & MONITORS	8,922.97
C1655	DEPARTMENT OF MOTOR VEHICLES R	1/1/2024	01012024	10.00	PTI SERVICE FEE	
C1692	EKI ENVIRONMENT & WATER, INC.	12/31/2023	C20055.02-11	10,261.68	SOKR GSP	
C1692	EKI ENVIRONMENT & WATER, INC.	12/31/2023	C20055.03-07	26,842.14	SOKR GSP DEFICIENCY RESPONSE	
C1692	EKI ENVIRONMENT & WATER, INC.	1/26/2024	B70103.02-34	2,540.72	CONSULTING/SGMA	39,644.54
C1755	FASTENAL	12/28/2023	CABGV1323	782.69	SCREWS/NUTS/BITS	
C1755	FASTENAL	1/18/2024	CABGV1344	1,110.85	NUTS/SCREWS	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

ACCOUNTS PAYABLE

JANUARY 2024

ID	NAME	DATE	INVOICE	AMOUNT	DESCRIPTION	5,000+
C1765	FAST UNDERCAR	1/18/2024	08PH5008	713.12	DEKA BATTERIES	
C1765	FAST UNDERCAR	1/18/2024	08PH6062	(108.25)	CORE RETURN	
C1765	FAST UNDERCAR	1/1/2024	08KJ1485	(113.18)	CORE RETURN	
C1775	FERGUSON ENTERPRISES, INC.	1/16/2024	1774094	49,803.66	2 - 20" CHECK VALVES	
C1775	FERGUSON ENTERPRISES, INC.	1/15/2024	1774092-1	35,540.64	2 - 16" CHECK VALVES	
C1775	FERGUSON ENTERPRISES, INC.	11/1/2023	1820750	6,125.75	GATE VALVE	91,470.05
C1815	FLYERS ENERGY, LLC	1/24/2024	24-014136	24,829.48	FUEL	24,829.48
C1960	GRAINGER	1/8/2024	9955362745	62.01	RUBBER BOOTS	
C1960	GRAINGER	1/31/2024	9004966884	18.57	EDGING/BUMPER	
C1969	GRAPEVINE MSP	1/23/2024	01232024	3,136.83	SMART BOARD - BRD ROOM	
C1969	GRAPEVINE MSP	1/15/2024	39280	4,837.50	IT SERVICE/BACKUP/SECURITY	
C1969	GRAPEVINE MSP	1/18/2024	39358	1,470.00	SECURITY AWARENESS SOFTWARE	
C1969	GRAPEVINE MSP	1/29/2024	39455	2,504.00	FIREWALL RENEWAL	11,948.33
C2022	HADDAD DODGE	1/9/2024	DOCS246452	2,088.79	REPLACE HEATER #147	
C2106	IGS SOLAR	1/11/2024	240110006777236	15,473.81	850 CANAL SOLAR CHARGES	15,473.81
C2108	IMPERIAL SUPPLIES LLC	1/26/2024	I001956576	998.52	BOLTS/NUTS	
C2125	INTERNATIONAL WATER SCREENS	1/23/2024	Z-1689	2,165.00	SUPPLIES	
C2125	INTERNATIONAL WATER SCREENS	1/16/2024	Z-1684	11,745.23	REPAIR WATER SCREEN - WRM 9	13,910.23
C2220	KERN COUNTY AUDITOR CONTROLLER	1/9/2024	1110-07354	117.57	VOUCHER PROCESSING	
C2250	KERN COUNTY WATER AGENCY	2/2/2024	41068	750.00	SETUP/HANDLING FEE #23-058	
C2275	KERN PRINT SERVICES	1/30/2024	52039	275.37	ENVELOPES	
C2310	KERN WATER BANK AUTHORITY	12/31/2023	RCHG 2023-12W	103,378.00	DEC 2023 RECHARGE FROM WEST	
C2310	KERN WATER BANK AUTHORITY	12/31/2023	RCHG 2023-12E	32,281.00	DEC 2023 RECHARGE FROM EAST	135,659.00
C2312	KIMBALL MIDWEST	1/22/2024	101837327	424.33	SUPPLIES	
C2330	KNIGHTS PUMPING SERVICE	1/12/2024	188680	252.46	PORTABLE TOILET SERVICE	
C2330	KNIGHTS PUMPING SERVICE	1/19/2024	189281	252.46	PORTABLE TOILET SERVICES	
C2330	KNIGHTS PUMPING SERVICE	1/26/2024	189806	229.66	PORTABLE TOILET SERVICES	
C2412	LOWE'S BUSINESS ACCOUNT	2/3/2024	2032024	984.14	SUPPLIES	
C2449	THE MARCOM GROUP	1/15/2024	62913	95.00	WORDPRESS SECURITY MONITORING	
C2487	MOTION INDUSTRIES INC	1/12/2024	CA06-00725813	6,161.61	BEARINGS	6,161.61
C2500	MOTOR CITY AUTO CENTER	1/22/2024	01222024	24,405.34	2024 GMC SIERRA 1500 #165	
C2500	MOTOR CITY AUTO CENTER	2/8/2024	2082024	36,448.94	2024 GMC TERRAIN #38	60,854.28
C2505	MSC INDUSTRIAL SUPPLY CO.	1/10/2024	32785728	159.22	LEATHER SHEATH/MULTI TOOL	
C2505	MSC INDUSTRIAL SUPPLY CO.	1/29/2024	3882482	553.63	FIRST AID BOX SUPPLIES	
C2505	MSC INDUSTRIAL SUPPLY CO.	1/30/2024	3882486	3.22	FIRST AID BOX SUPPLIES	
C2505	MSC INDUSTRIAL SUPPLY CO.	1/30/2024	3911258	186.71	FIRST AID BOX SUPPLIES	
C2505	MSC INDUSTRIAL SUPPLY CO.	1/31/2024	3930046	19.49	FIRST AID BOX SUPPLIES	
C2505	MSC INDUSTRIAL SUPPLY CO.	1/31/2024	3950815	359.91	FIRST AID BOX SUPPLIES	
C2540	N B SALES & SERVICES	1/26/2024	86643	2,519.10	GEAR BOX	
C2540	N B SALES & SERVICES	1/22/2024	86621	881.05	BEARINGS	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO.	1/12/2024	684985	207.71	OIL	
C2657	ONSET COMPUTER CORPORATION	1/16/2024	271248	13,721.97	SENSORS/CABLES	13,721.97
C2690	P G & E #1	1/31/2024	01312024	130,250.22	JANUARY POWER	
C2691	P G & E #2	1/31/2024	01312024	39,845.23	JANUARY POWER	
C2692	P G & E #3	1/31/2024	01312024	2,456.90	JANUARY POWER	
C2693	P G & E #4	1/31/2024	01312024	453.24	JANUARY POWER	
C2694	P G & E #5	1/31/2024	01312024	3,107.13	JANUARY POWER	176,112.72
C2710	PETTY CASH	1/30/2024	01302024	111.98	REPLENISH PETTY CASH	
C2800	LINDE GAS & EQUIPMENT INC.	1/23/2024	40647270	1,092.21	DEMURRAGE	
C2800	LINDE GAS & EQUIPMENT INC.	1/9/2024	40443379	140.61	SHIELD/ELECTRODE/NOZZLE	
C2800	LINDE GAS & EQUIPMENT INC.	12/31/2023	40354254	386.63	ACETYLENE	
C2754	PNEUMATIC CONTROL, INC.	1/25/2024	92063	1,497.02	BATTERY BACKUP SYSTEM	
C2808	PRICE DISPOSAL INC	1/10/2024	735248	398.89	40 YD ROLL OFF	
C2812	PROVOST & PRITCHARD	1/9/2024	106423	108.80	WS5 WATER SUPPLY	
C2812	PROVOST & PRITCHARD	1/10/2024	106456	198.00	MONITORING WELL WORK	
C2829	QUALITY POWDER COATING	1/22/2024	9393	2,354.44	COAT CONVEYOR FRAME	
C2840	QUINN COMPANY	1/30/2024	PC080533925	608.56	BUCKET PLATES	
C2890	RAIN FOR RENT - BAKERSFIELD	1/24/2024	1967214	2.96	PVC CAP	
C2893	RINGCENTRAL INC.	1/30/2024	CD_000743025	1,289.79	SUBSCRIPTION - PHONES	
C2898	READY REFRESH by NESTLE	1/30/2024	14A0028964179	345.19	DRINKING WATER	
C2924	ROYAL INDUSTRIAL SOLUTIONS	1/3/2024	0332-1090549	2,702.07	CUTTING REELS	
C2924	ROYAL INDUSTRIAL SOLUTIONS	12/21/2023	0332-1089701	1,883.67	CONDUITS/ADAPTERS	
C2924	ROYAL INDUSTRIAL SOLUTIONS	1/25/2024	0332-9011086389	28.25	FINANCE CHARGE	
C3020	INDUSTRIAL SHOEWORKS	1/10/2024	01102024	184.03	BOOTS - CHASE	
C3020	INDUSTRIAL SHOEWORKS	2/5/2024	02052024	201.67	BOOTS - FERNANDEZ	
C3036	SAN JOAQUIN VALLEY AG WATER COMMITTEE	1/3/2024	2024-112	200.00	2024 CONTRIBUTION	
C3074	SGMA COORDINATION COMMITTEE	1/2/2024	FUNDING REQUEST#8	9,805.90	FUNDING REQUEST #8	
C3074	SGMA COORDINATION COMMITTEE	1/2/2024	FUNDING REQUEST #7	3,150.00	FUNDING REQUEST #7	
C3074	SGMA COORDINATION COMMITTEE	1/2/2024	FUNDING REQUEST #6	8,085.89	FUNDING REQUEST #6	21,041.79
C3082	SPARKLE UNIFORM & LINEN SERVICE	12/14/2023	0952003	788.83	UNIFORMS	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 ACCOUNTS PAYABLE
 JANUARY 2024

ID	NAME	DATE	INVOICE	AMOUNT	DESCRIPTION	5,000+
C3082	SPARKLE UNIFORM & LINEN SERVICE	1/18/2024	0956998	589.07	UNIFORMS	
C3082	SPARKLE UNIFORM & LINEN SERVICE	1/11/2024	0955993	641.98	UNIFORMS	
C3082	SPARKLE UNIFORM & LINEN SERVICE	2/8/2024	0960076	621.13	UNIFORMS	
C3082	SPARKLE UNIFORM & LINEN SERVICE	2/1/2024	0958954	718.82	UNIFORMS	
C3082	SPARKLE UNIFORM & LINEN SERVICE	1/25/2024	0958007	580.07	UNIFORMS	
C3094	SITES PROJECT JOINT POWERS AUTHORITY	1/3/2024	SPA-2024-20	488,000.00	PHASE 2C - 3RD INSTALLMENT	488,000.00
C3100	SMART & FINAL	1/24/2024	755422	8.64	SUPPLIES	
C3100	SMART & FINAL	1/24/2024	398155	38.27	SUPPLIES	
C3100	SMART & FINAL	1/10/2024	524233	106.64	SUPPLIES	
C3100	SMART & FINAL	1/31/2024	784355	68.53	SUPPLIES	
C3100	SMART & FINAL	2/7/2024	216433	52.51	SUPPLIES	
C3120	SNIDERS	2/5/2024	02052024	514.19	KEYS	
C3170	SOUTHERN CALIFORNIA GAS COMPANY	1/24/2024	1242024	1,392.11	NATURAL GAS	
C3189	SSD ALARM	2/1/2024	8076139	132.30	ALARM MONITORING	
C3200	STINSON'S	1/17/2024	266341-0	456.50	SUPPLIES	
C3200	STINSON'S	2/2/2024	269079-1	15.13	SUPPLIES	
C3200	STINSON'S	2/1/2024	269079-0	421.94	SUPPLIES	
C3214	S.T.S. , INC.	1/14/2024	102	3,750.00	HAULING MUD - 850 CANAL	
C3267	THE HOME DEPOT PRO	1/10/2024	783910755	815.57	TOWELS/PAPER TOWELS/TISSUE	
C3280	THREE WAY CHEVROLET	1/24/2024	60755CVW	55.38	RECEPTACLE	
C3420	VALLEY AG WATER COALITION	1/3/2024	2024-39	4,900.00	2024 MEMBERSHIP DUES	
C3430	VALLEY DECAL, INC	1/23/2024	24D1381	669.63	LOGOS	
C3458	VANGUARD CLEANING SYSTEMS OF THE S. VALLEY	2/1/2024	74117	1,565.00	WEEKLY CLEANING SERVICE	
C3461	VERIZON WIRELESS	2/1/2024	9955552812	276.28	IPAD DATA	
C3461	VERIZON WIRELESS	2/1/2024	9955552813	177.67	CELL PHONE/SIM CARDS	
C3549	WELLS FARGO - LOVELESS	2/2/2024	2022024	3,930.53	LODGING/SUPPLIES	
C3552	WELLS FARGO - OFFICE CARD	2/2/2024	2022024	1,705.06	SUPPLIES	
C3555	WELLS FARGO - SUGGS	2/2/2024	2022024	261.24	ADOBE/SUPPLIES	
C3558	WELLS FARGO - OFFICE CARD TWO	2/2/2024	2022024	3,556.34	TRAVEL/SUPPLIES	
C3559	WELLS FARGO - NICHOLAS	2/2/2024	2022024	5,827.48	SUBSCRIPTIONS/MEALS/LODGING	
C3562	WELLS FARGO - SMITH	2/2/2024	2022024	349.00	CALCPA	15,629.65
C3588	WESTERN EXTERMINATOR COMPANY	1/8/2024	56381784	225.65	PEST CONTROL	
C3613	WHITE CAP	1/11/2024	50025102177	549.89	SAW/RECEIVER	
C3613	WHITE CAP	1/12/2024	50025123488	65.92	STAKES	
C3670	YOUNG WOOLDRIDGE	1/31/2024	01312024	16,420.71	LEGAL SERVICES	16,420.71
D10133	ANDY HESTAND	12/31/2023	01172024	1,803.32	2023 CREDIT BALANCE REFUND	
D10162	MANJIT SINGH	12/31/2023	01172024	7,318.93	2023 CREDIT BALANCE REFUND	7,318.93
			SUBTOTAL	1,343,999.77		
				2,570.36	MANUAL CHECKS ATTACHED	
			VOUCHER TOTAL	1,346,570.13		

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
MANUAL CHECKS/ACH PAYMENTS
JANUARY 2024

						5.2
JAN	NAME	DATE	INVOICE #	AMOUNT	DESCRIPTION	5,000+
3-Jan	CANON	01/03/2024	12122023	107.98	LEASE 2 COPIERS	
9-Jan	ATT	01/09/2024	01092024	643.95	FIRE ALARM	
11-Jan	SOCALGAS	01/11/2024	01112024	2.78	NATURAL GAS	
17-Jan	CANON	01/17/2024	01172024	820.57	LEASE 2 COPIERS	
26-Jan	ATT	01/26/2024	01262024	646.78	FIRE ALARM	
8-Dec	CANON	12/08/2023	12082023	348.30	LEASE 2 COPIERS	
			grand total	2,570.36		

**WHEELER RIDGE-MARICOPA WSD
FISCAL AGENT FOR COMMITTEE FOR DELTA RELIABILITY
CUSTODIAL FUNDS-REPORT OF EXPENDITURES AND TRANSFERS
JANUARY 2024 FOR THE FEBRUARY 14, 2024 BOARD MEETING**

NAME	INVOICE NUMBER	DESCRIPTION	AMOUNT
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TRANSFERS AUTHORIZED BY WRMWSO BOARD

JANUARY 10, 2024 BOARD MEETING	JANUARY	VOUCHER	124,205.75
VOUCHER TOTAL REQUESTED			124,205.75

EXPENDITURES AUTHORIZED BY COMMITTEE AND PAID BY WRMWSO MANUAL CHECK

Center for CA Water Resources	295	Murphy - October/November 2023	12,950.00
Cramer Fish Sciences	SIN008276	Science Program - Dec 2023	3,799.00
Nossaman	556760	ESA/Water Quality Counseling - Nov 2023	86,415.90
Water & Land Solutions, LLC	3551	Representation - Oct 2023 (balance)	3,515.63
Water & Land Solutions, LLC	3606	Representation - Nov 2023	9,101.77
Water & Land Solutions, LLC	3662	Representation - Dec 2023	3,000.00
West Coast Advisors	13856	Consulting - Jan 2024	5,000.00
West Coast Advisors	13843	Expenses - Nov 2023	423.45
TOTAL PAID			124,205.75

INVOICES AWAITING COMMITTEE APPROVAL

INVOICES APPROVED BY WRMWSO BOARD @ FEBRUARY 14, 2024 BOARD MEETING (VOUCHER)

Center for CA Water Resources	296	Hamilton - December 2023	294.50
Cramer Fish Sciences	SIN008389	Science Program - Jan 2024	5,437.15
Nossaman	557789	ESA/Water Quality Counseling - Dec 2023	27,565.90
Water & Land Solutions, LLC	3709	Representation - Jan 2024	3,895.69
West Coast Advisors	13881	Consulting - Feb 2024	5,000.00
West Coast Advisors	13870	Expenses - Dec 2023	502.05
VOUCHER TOTAL REQUEST			42,695.29

Wheeler Ridge-Maricopa Water Storage District
Revolving Account Check Listing

JANUARY 2024

Check	Date	Payee	Amount	Description
			BALANCE AS OF 12/31/2023	7,000.00
			Deposit (date)	0.00
			7,000.00	
3390	1/17/2024	Wells Fargo Credit Card - Office Card #2	1,099.90	Training - Maintenance Dept
ACH	1/29/2024	Dell Computer	276.00	Computer Supplies
3391	1/31/2024	State Water Resource Control Board	60.00	T2 Cert. Renewal - Claffy
Total Checks Issued			1,435.90	
Ending Balance			<u>5,564.10</u>	
Balance Limit			<u>7,000.00</u>	
Replenish Amount			1,435.90	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BOARD OF DIRECTORS/MANAGEMENT **BENEFITS** BREAKDOWN
 January 2024 FOR THE February 14, 2024 BOARD MEETING

5.2.1

NAME	ACWA BLUE CROSS OF CA			DENTAL-HEALTHEDGE		HARTFORD	TOTAL
	MED	VISION	LIFE/AD &D	CLAIMS	ADM	DISABILITY	
ATKINSON	1,644.92	17.21	9.77	***	18.15	0.00	***
BLAINE	2,179.52	17.21	5.50	***	18.15	0.00	***
FRY	2,179.52	17.21	4.30	***	18.15	0.00	***
LYDA	1,644.92	17.21	9.50	***	18.15	0.00	***
MARIN	1,946.00	17.21	5.50	***	18.15	0.00	***
METTLER	1,644.92	17.21	5.50	***	18.15	0.00	***
REITER	822.46	17.21	3.60	***	18.15	0.00	***
RICHARDSON	2,179.52	17.21	2.80	***	18.15	0.00	***
VALPREDO	2,179.52	17.21	4.30	***	18.15	0.00	***
LOVELESS	2,179.92	17.21	26.00	***	18.15	71.29	***
MCDARIS	1,644.92	17.21	12.50	***	18.15	71.29	***
NICHOLAS	2,179.92	17.21	26.00	***	18.15	71.29	***
SMITH	2,179.92	17.21	78.50	***	18.15	71.29	***
SUGGS	2,179.92	17.21	78.50	***	18.15	71.29	***
<div style="display: flex; justify-content: space-between;"> 26,785.90 240.94 272.27 1,117.00 254.10 356.45 </div>							
TOTAL						BENEFITS	29,026.66

*** INDIVIDUAL CLAIM AMOUNTS ARE CONFIDENTIAL PER THE HEALTH INSURANCE PORTABILITY ACCOUNTABILITY ACT (HIPAA)
 THE HEALTH INSURANCE PORTABILITY ACCOUNTABILITY ACT (HIPAA)

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BOARD OF DIRECTORS/MANAGEMENT *COMPENSATION & EXPENSE* BREAKDOWN
 JANUARY 2024 for the FEBRUARY 14, 2024 BOARD

NAME	DATE	TOTAL	PAYEE	MEMO
Atkinson	01/10/2024	129.00	Atkinson	Regular Board Meeting
Atkinson	01/18/2024	129.00	Wells Fargo	P/MA Committee Meeting
Blaine	01/10/2024	128.00	Blaine	Regular Board Meeting
Blaine	01/16/2024	125.00	Blaine	SOKR Executive Committee Meeting
Blaine	01/18/2024	128.00	Blaine	P/MA Committee Meeting
Blaine	01/24/2024	125.00	Blaine	KRWCA Document Committee Meeting
Fry	01/10/2024	125.00	Fry	Regular Board Meeting
Fry	01/18/2024	125.00	Fry	P/MA Committee Meeting
Lyda	01/10/2024	129.00	Lyda	Regular Board Meeting
Lyda	01/18/2024	125.00	Lyda	P/MA Committee Meeting
Marin	01/10/2024	125.00	Marin	Regular Board Meeting
Marin	01/18/2024	125.00	Marin	P/MA Committee Meeting
Mettler	01/10/2024	128.00	Mettler	Regular Board Meeting
Reiter	01/10/2024	139.00	Reiter	Regular Board Meeting
Reiter	01/08/2024	125.00	Reiter	KCWA Member Unit Call
Richardson	01/10/2024	128.00	Richardson	Regular Board Meeting
Valpredo	01/10/2024	129.00	Valpredo	Regular Board Meeting
Valpredo	01/18/2024	129.00	Valpredo	P/MA Committee Meeting
DIRECTORS		2,296.00		

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BOARD OF DIRECTORS/MANAGEMENT *COMPENSATION & EXPENSE* BREAKDOWN
 JANUARY 2024 for the FEBRUARY 14, 2024 BOARD

NAME	DATE	TOTAL	PAYEE	MEMO
------	------	-------	-------	------

Loveless McDaris Nicholas Smith Suggs	01/01/2024	94.49	Verizon	Communication - cell
		MANAGEMENT	94.49	

Kunde				
*** note: retired annuitant costs are expense reimbursements not compensation				
		RETIRED ANNUITANT	0.00	

Board	1/10/2024	95.00	Montes	December 13, 2023 Board Meeting - burritos
		BOARD	95.00	
		TOTAL EXPENSE	2,485.49	

WHEELER RIDGE - MARICOPA WSD
 PAYROLL FUND
 JANUARY 2024
 FEBRUARY 14, 2024 BOARD MEETING

	EMPLOYEES	DIRECTORS	RETIREES	COBRA	SUPPLEMENTAL	TOTALS
SALARIES Pay Period Ended: (Jan 06, 2024/ee)-(Dec 31, 2023/dir)	110,706.43	1,751.97				112,458.40
SALARIES Pay Period Ended:	0.00					0.00
SALARIES Pay Period Ended: (January 20, 2024)	107,249.72					107,249.72
PAYROLL PEOPLE Federal, SSI, Medicare Taxes	78,175.66	293.80				78,469.46
PAYROLL PEOPLE State Tax / SDI / SUI	20,601.34	51.88				20,653.22
PERS (EMPLOYEE PORTION) RETIREMENT	23,122.81					23,122.81
PERS (EMPLOYER PORTION) RETIREMENT	37,290.17					37,290.17
PERS (UAL,GASB 68 reports, SSSA fees) RETIREMENT	0.00					0.00
NATIONWIDE DEFERRED COMPENSATION Deferred Compensation #1 Deductions	20.00					20.00
LINCOLN LIFE Deferred Compensation #2 Deductions	3,790.00					3,790.00
WRM WSD EMPLOYEES' FUND Employees' Fund Deductions	415.00					415.00
ACWA-HEALTH BENEFITS Medical/Vision Insurance Premium (+cobra)	82,633.16	16,275.11	19,906.02	0.00		118,814.29
ACWA-LIFE/AD&D Life/supplemental Insurance Premium	1,419.88	52.67			101.40	1,573.95
HEALTH EDGE ADMINISTRATORS INC Dental Insurance Administrative Fees (+cobra)	798.60	163.35	490.05	0.00		1,452.00
HEALTH EDGE ADMINISTRATORS INC Dental Insurance Claims	2,006.81	192.00	3,976.80	0.00		6,175.61
THE HARTFORD GROUP Long Term Disability Insurance	3,136.81					3,136.81
IWO (income withholding orders)	2,856.12					2,856.12
PAYROLL PEOPLE P/R Processing Fees	866.22	163.10				1,029.32
TOTAL PAYROLL FUND:	475,088.73	18,943.88	24,372.87	0.00	101.40	518,506.88

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
REIMBURSEMENTS AND TRANSFERS
FEBRUARY 14, 2024 BOARD MEETING
JANUARY/FEBRUARY/MARCH 2024

GENERAL/REVOLVING ACCOUNT:

FUND #			
60710	WRM-WSD WELLS FARGO BANK GENERAL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: January 2024 Accounts Payable	1	\$ 1,346,570.13
60710	WRM-WSD WELLS FARGO BANK GENERAL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: Accounts Payable	1.1	\$ 0.00
60710	WRM-WSD WELLS FARGO BANK GENERAL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: January 2024 Accounts Payable		1,346,570.13 \$
60710	WRM-WSD WELLS FARGO BANK GENERAL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: Committee for Delta Reliability	2	\$ 42,695.29
60710	WRM-WSD WELLS FARGO BANK REVOLVING ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: January 2024 Revolving Account	3	\$ 1,435.90
TOTAL GENERAL/REVOLVING ACCOUNT:			\$ 1,390,701.32

PAYROLL ACCOUNT:

FUND #			
60710	WRM-WSD WELLS FARGO BANK PAYROLL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR PPE: Mar 02, 2024	4	321,000.00
60710	WRM-WSD WELLS FARGO BANK PAYROLL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR PPE: Mar 16, 2024	5	199,000.00
60710	WRM-WSD WELLS FARGO BANK PAYROLL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR PPE: Mar 30, 2024	6	0.00
TOTAL PAYROLL ACCOUNT:			\$ 520,000.00 520,000.00

KCWA COUNTY TRANSFERS: 0.00

TOTAL REIMBURSEMENTS AND TRANSFERS: **\$ 1,910,701.32**

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BUDGET EXPENDITURES REPORT
 PERIOD ENDING DECEMBER 2023
 (UNAUDITED)

BUDGET CLASS	ANNUAL BUDGET	ANTICIPATED TO DATE	ACTUAL SPENT TO DATE	UNDER/(OVER) BUDGET TO ACTUAL DIFFERENCE	% OF ANTICIPATED TO DATE
PAYROLL SALARIES	3,808,790	3,808,790	3,706,167	102,623	97.31%
PAYROLL TAX	287,764	287,764	283,608	4,156	98.56%
PAYROLL PERS	526,615 (1)	526,615	498,214	28,401	94.61%
PAYROLL HEALTH	983,672	983,672	965,612 (a)	18,060	98.16%
TOTAL PAYROLL & BENEFITS	5,606,841	5,606,841	5,453,601	153,240	97.27%
FUEL & OIL	495,800	495,800	289,006	206,794	58.29%
MATERIALS & SUPPLIES	1,169,160	1,169,160	847,518	321,642	72.49%
SMALL TOOLS & INSTRUMENTS	41,050	41,050	2,625	38,425	6.39%
COMMUNICATIONS	60,716	60,716	66,911	(6,195)	110.20%
DIRECTORS FEES & EXPENSES	36,000	36,000	28,701	7,299	79.73%
DIRECTORS HEALTH	193,000	193,000	189,955 (a)	3,045	98.42%
INSURANCE & BONDS	275,600	275,600	269,910	5,690	97.94%
RETIREEES-OPEB	300,000	300,000	270,469 (a)	29,531	90.16%
MEMBERSHIPS	99,455	99,455	93,381	6,074	93.89%
MISC SERVICES & SUPPLIES	252,030	252,030	168,940	83,090	67.03%
OFFICE SERVICES & SUPPLIES	52,125	52,125	23,949	28,176	45.95%
COMPUTER SUPPLIES	40,200	40,200	34,495	5,705	85.81%
MAINT. & REPAIR BY OTHERS	262,114	262,114	182,030	80,084	69.45%
PROFESSIONAL & SPECIALIZED-LEGAL	125,000	125,000	89,277	35,723	71.42%
PROFESSIONAL & SPECIALIZED-ACCT:					
AUDIT	47,000	47,000	48,300	(1,300)	102.77%
WELLS FARGO FEES	1,200	1,200	0	1,200	0.00%
PROFESSIONAL & SPECIALIZED-OTHER	151,550	151,550	101,533	50,017	67.00%
SGMA - SOKR/KERN GW AUTHORITY	135,000	135,000	141,123 (2)	(6,123)	104.54%
SGMA - WHITE WOLF GSA	75,000	75,000	124,631	(49,631)	166.17%
LEGAL NOTICES & PUBLICATIONS	20,840	20,840	8,353	12,487	40.08%
RENTED EQUIPMENT	52,300	52,300	55,960	(3,660)	107.00%
SPECIAL DEPARTMENT EXPENSE	34,100	34,100	23,757	10,343	69.67%
TRANSP & TRAVEL EXPENSE	58,695	58,695	39,065	19,630	66.56%
UTILITIES	95,500	95,500	96,747	(1,247)	101.31%
JUDGEMENTS & CLAIMS EXPENSE	6,600		0	0	0.00%
CURRENTLY FUNDED ASSETS	1,118,265	795,069	795,069	0	100.00%
RESERVE FUNDED ASSETS	5,393,735	116,135	116,135	0	100.00%
TOTAL SERVICES AND SUPPLIES	10,592,035	4,984,639	4,107,841	876,798	82.41%
KCWA F.O.	39,474,794	39,474,794	39,474,794 (3)	0	100.00%
KCWA VARIABLE	11,333,149	11,333,149	11,333,149 (3)	0	100.00%
DISTRICT POWER-PUMPS	14,447,116	14,447,116	14,447,116 (3)	0	100.00%
TOTAL WATER COSTS	65,255,059	65,255,059	65,255,059	0	100.00%
GRAND TOTAL	81,453,935	75,846,539	74,816,501	1,030,038	98.64%
(a) Health Insurance combined	1,476,672	1,476,672	1,426,036	50,636	96.57%

(1) Includes \$50,000 CalPers Pepra UAL
 (2) Includes \$9,618 Remote Sensor grant LandIQ
 (3) Budget Revised 5/10/2023

CAPITAL EXPENDITURES BUDGET - PERIOD ENDING DECEMBER 2023										
		BUDGET				ACTUAL			# of ITEMS	
QTY	DESCRIPTION	BGT COST PER ITEM	TOTAL BUDGET	CURRENT FUNDED	RESERVE FUNDED	(net of trade or sale)	CURRENT FUNDED	RESERVE FUNDED	% OF BGT.	PURCH of BUDGET
ADMINISTRATION:										
1	Server Replacement	35,000	35,000	35,000		18,845	18,845		54%	Deposit only
	SUBTOTAL		35,000	35,000	-	18,845	18,845	-		
ENGINEERING:										
1	EM Inspection of 10P Lateral	200,000	200,000	200,000		127,637	127,637		64%	(1)
1	10P Lateral Repair Kit	120,000	120,000	120,000		4,536	4,536		4%	(1)
1	Capacity Improvement - 4P Lateral	50,000	50,000	50,000						
1	A5X/B5X Intertie Facilities	460,000	460,000		460,000	16,282		16,282	4%	(1)
1	High Efficiency Electric Motor Replacement	600,000	600,000	167,000	433,000	167,686	167,686		28%	(2)
1	Intertie with Kern Delta WD	100,000	100,000	100,000		50,375	50,375		50%	(1)
1	Drilling Two Replacement Supply Wells	3,570,000	3,570,000		3,570,000	20,139		20,139	1%	(3)
	SUBTOTAL		5,100,000	637,000	4,463,000	386,655	350,234	36,421		
OPERATIONS AND MAINTENANCE:										
1	4-Door Sedan (replaced by 1/2 ton crew cab 4x4)	30,000	30,000		30,000	56,469		56,469	188%	1 of 1
2	1/2 Ton Reg Cab Pickup	25,000	50,000	50,000		46,739	46,739		93%	2 of 2
1	1/2 Ton Reg Cab Pickup (w/o trade) <i>*did use trade</i>	35,000	35,000		35,000	23,245		23,245	66%	1 of 1
1	Mid Size Crew Cab 4x4 Pickup <i>*did not have trade</i>	32,000	32,000	32,000		35,125	35,125		110%	1 of 1
2	1 Ton Cab/Chassis Utility	50,000	100,000	100,000		73,802	73,802		74%	2 of 2
1	Portable Air Compressor	30,000	30,000	30,000		24,956	24,956		83%	1 of 1
1	SCADA System	1,100,000	1,100,000	234,265	865,735	245,368	245,368		(4)	
	SUBTOTAL		1,377,000	446,265	930,735	505,704	425,990	79,714		
TOTAL CAPITAL EXPENDITURES			6,512,000	1,118,265	5,393,735	911,204	795,069	116,135		
(1)	Work Order balance as of 12/31/2023									
(2)	PG&E loan over 5 to 10 years									
(3)	Collected through water charges over multiple years									
(4)	Collected over 5 years - 1st year at 2.5% interest									



**WHEELER RIDGE – MARICOPA
WATER STORAGE DISTRICT**

12109 Highway 166, Bakersfield, CA 93313-9630, 661-858-2281

MEMORANDUM

TO: BOARD OF DIRECTORS

FROM: SHERIDAN NICHOLAS

DATE: FEBRUARY 2, 2024

SUBJECT: ENGINEER-MANAGER’S MONTHLY REPORT FOR JANUARY 2024

During the month of January, the District delivered 1,277 acre-feet of water consisting of the water types described below. Of the total quantity delivered, 185 acre-feet was delivered for industrial use, with the remainder being delivered for agricultural use. This compares to projected deliveries of approximately 800 acre-feet estimated in September 2023. The total quantities of water delivered during the month as well as the year-to-date water supply by source and type of water delivery are summarized in the following tabulation:

Source of Supply	Quantities (Acre- Feet)	
	-	Jan YTD
2024 SWP Entitlement (a)	-	-
2023 Carryover (estimate) (b)	1,094	1,094
Pastoria/TRC	182	182
Granite/TRC	1	1
Kern Water Bank Recovery (c)	-	-
Kern Water Bank - 2nd Priority Recovery	-	-
Pioneer Project Recovery (c)	-	-
Berrenda Mesa Recovery (c)	-	-
Pumpback to Storage	-	-
Landowner Water Transfer	-	-
User Input-District Wells	-	-
User Input-Private	-	-
Type of Delivery		
Irrigation	1,093	1,093
Industrial Contract	183	183
Other Industrial	2	2
Deliveries Total	-	1,277 1,277

(a) Assumes a 2024 allocation of 200,818 acre-feet (100%)

(b) At 01/01/2024, an estimated 20,000 acre-feet of 2023 Carryover was available; 8,041 acre-feet represents Water User Carryover. These figures are subject to further reconciliation as additional information becomes available.

(c) Estimates based on KCWA daily Summary of Deliveries

Engineer-Manager's Report – S. Nicholas

January 2024

Solar Update. The construction report for Wheeler #2 is attached.

White Wolf GSA. Board meeting on February 6. Items of note include:

- Discussion on status of White Wolf subbasin
- Discussion of 2024 goals
- Monitoring Network update
- Update on Annual Report submissions
- Discussion on Recharge leave behind requirements

South of Kern River GSP. Items of note include:

- **Coordination between SOKR districts**
January 16 – SOKR Executive Committee meeting
 - Basin Coordination Committee and Technical Workgroup (TWG) updates
 - Monitoring Network update
 - Recommended approval of Kern Subbasin funding requests - 2023 GEI cost overruns
 - Recommended approval of Minimum Threshold Exceedance Policy
 - February 20 – next Executive Committee meeting
- **Basin Coordination** - Coordination Committee meeting every Monday and Managers meeting every Friday. Met with SWRCB Staff on Jan. 24 to present water quality plan.

Meetings in addition to weekly Member Unit and Westside 5 calls, (held either in person or via teleconference):

Jan 04 ACWA Board of Directors Meeting	Jan 19 Kern Subbasin Managers Meeting
Jan 05 Kern Subbasin Managers Meeting	Jan 19 Kern Water Bank Authority Special Board Meeting
Jan 08 Member Unit Policy Meeting	Jan 22 Gianquito, McCarthy, Gilkey
Jan 08 Kern Coordination Committee	Jan 22 Kern Coordination Committee Meeting
Jan 09 DMS Workshop	Jan 24 Kern Groundwater Authority Board Meeting
Jan 09 Kern Water Bank Board Meeting	Jan 24 Kern Subbasin Meeting w/SWRCB
Jan 10 WRMWSD Board Meeting	Jan 25 South Valley Water Resources Authority Board Meeting
Jan 10 SOKR Managers Meeting	Jan 25 SOKR Managers Meeting
Jan 10 Valley Water	Jan 25 KCWA Board Meeting
Jan 10 KCWA and TCWD	Jan 26 Kern Subbasin Managers Meeting
Jan 11 WRMWSD/AEWSD	Jan 29 Valley Water
Jan 11 White Wolf Technical Committee Meeting	Jan 29 Kern Coordination Committee Meeting
Jan 11 Member Unit Managers Meeting	Jan 30 Landowner Meeting
Jan 12 Kern Subbasin Managers Meeting	Jan 31 Landowner Meeting
Jan 15 Kern Coordination Committee Meeting	Jan 31 SOKR Managers Meeting
Jan 17 Renovo Resources	
Jan 17 SOKR Managers Meeting	
Jan 18 Projects/Management Actions Committee / Special Board Meeting	

Tadashi Solar (WR2)



Construction Report
 Project Manager: Bob Brady
 Construction Manager: Craig Spahn
 Date: 1/25/24



Temp Low/High (°F): 42/54
 Precipitation: 1.26"
 Forecast: Rain next Wed pm

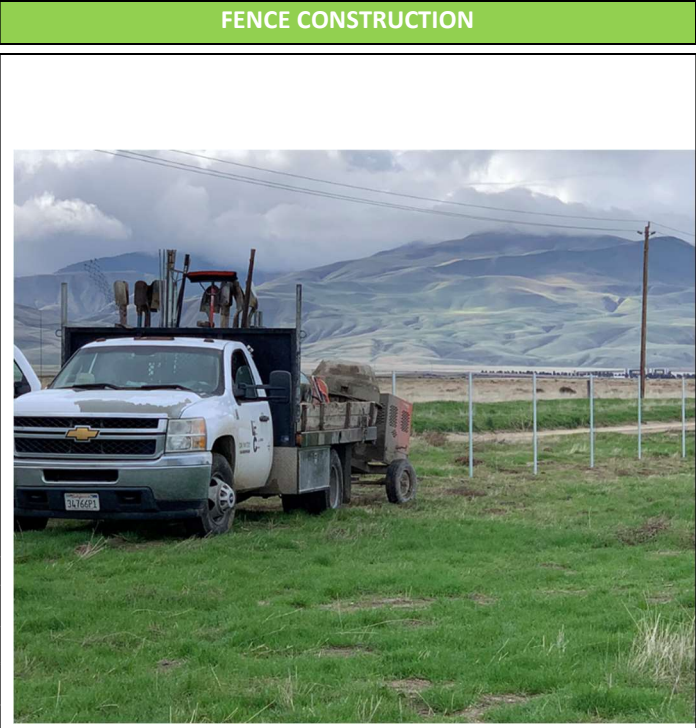


CONSTRUCTION ACTIVITIES	
Safety:	Electrical:
PPE in place and being used: <ul style="list-style-type: none"> • High Visibility Vest • Hard Hat • Safety Glasses • Gloves • Hearing protection • Fire Extinguishers No accidents, incidents or near misses occurred / reported.	
Racking:	Civil:
	Fencing installation in progress. Site mowed.
	Inspections:

RECEIVING – LONG LEAD & MAJOR ITEMS				
Material	Total	Rec'd	Balance	% Comp
Inverters CPS125	42	0		0%
ATI tracker		0		0%
Switchgear	2	0		0%
Transformer	1	0		0%
DAS – Also Energy	1	0		0%
Recloser	1	0		0%
GOAB – Air Switch	1	0		0%
Modules – NESE 550w	14,308	0		0%

ON SITE WORKFORCE	
Summit Energy	1
Lamont Fence	2

PG&E



2 WEEK LOOK AHEAD PROJECTION
Activity
Fence construction
Tracker Delivery
Site Prep

Tadashi Solar Project (WR2)

Installation Completion Status

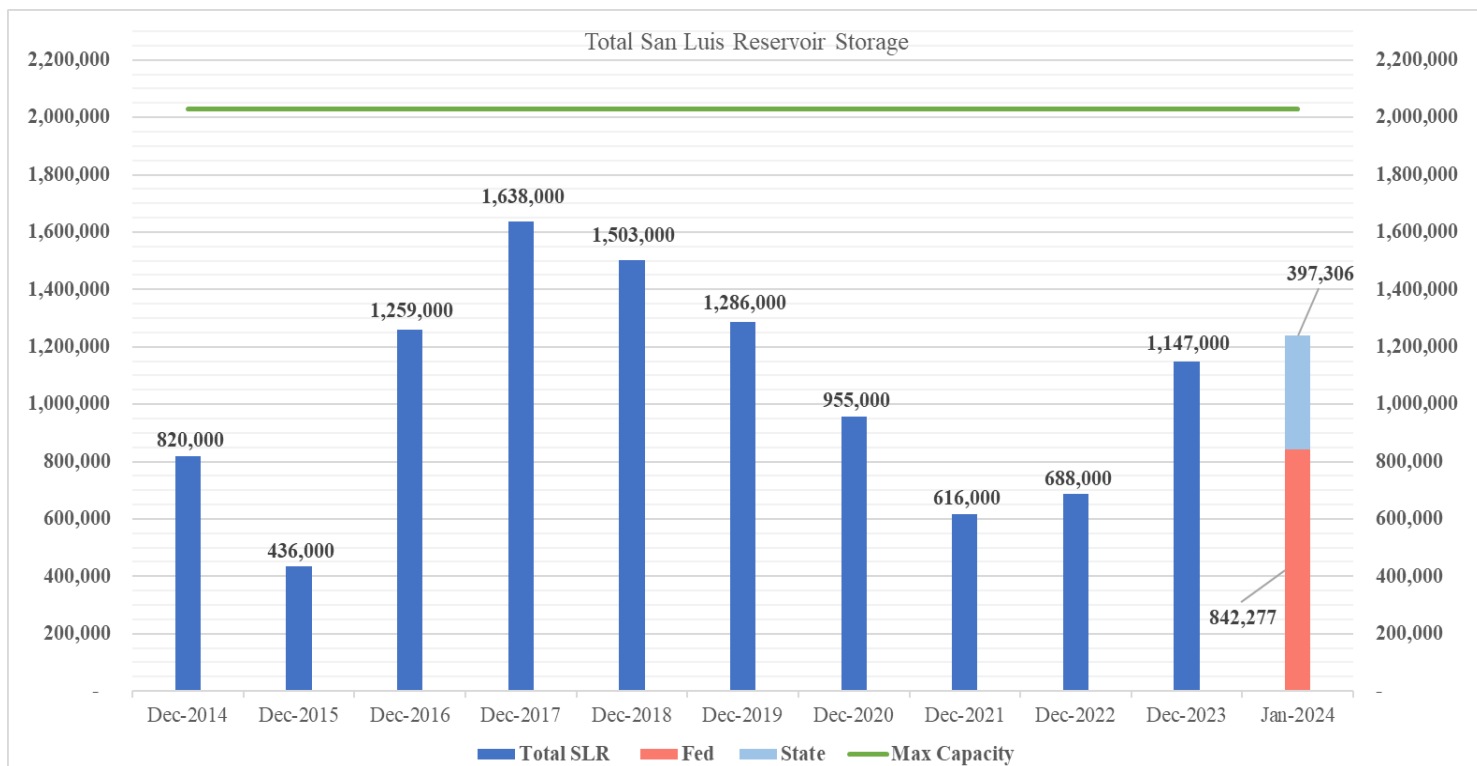
Status:	Total Quantity	Installed to date	% Complete
			0%
Equipment Pad (Ea)			0%
Fence Install (LF)			20%
Tracker Piles Installed (Ea)			0%
Auxiliary Piles Installed (Ea)			0%
Tracker Installed (Row)			0%
Modules Installed (Row)			0%
Plug & Play = Mod to Mod (Row)			0%
Wire Management (Row)			0%
Inverters Set (Ea)			0%
Combiner Box Set (Ea)			0%
Combiner Box Terminations (Ea)			0%
Concrete Slab Switchboard			0%
Transformer Pad			0%
Switchboards			0%
Transformer			0%
Recloser - Viper			0%
Controller - Beckwith			0%
PG&E Meter Enclosure			0%
GOAB / Air Switch			0%
DAS / Also Energy			0%
Tracker Controllers			0%
Auxiliary Transformer			0%
MV Trench Opened (LF)			0%
MV Wire Installed (LF)			0%
MV Trench Backfilled (LF)			0%
MV Terms (Ea)			0%
DC Trench Open (LF)			0%
DC Conduit (LF)			0%
DC Trench Backfill (LF)			0%
DC Cable HR String Wire (Row)			0%
DC Cable Combiner Output (LF)			0%
AC Trench Open (LF)			0%
AC Trench Backfill (LF)			0%
AC Wire Pulled in (Ea)			0%
Terminations Switchboard (%)			0%
Terminations Inverters (Ea)			0%
RS-485 Cable (LF)			0%
RS-485 Terminations (Ea)			0%

FENCE CONSTRUCTION IN PROGRESS



Carryover and Spill Conditions.

The District continually reviews current San Luis Reservoir (SLR) storage levels (January 31, -61% capacity, 81% of average) to determine optimum carryover amounts. End of month San Luis Reservoir conditions were as follows:



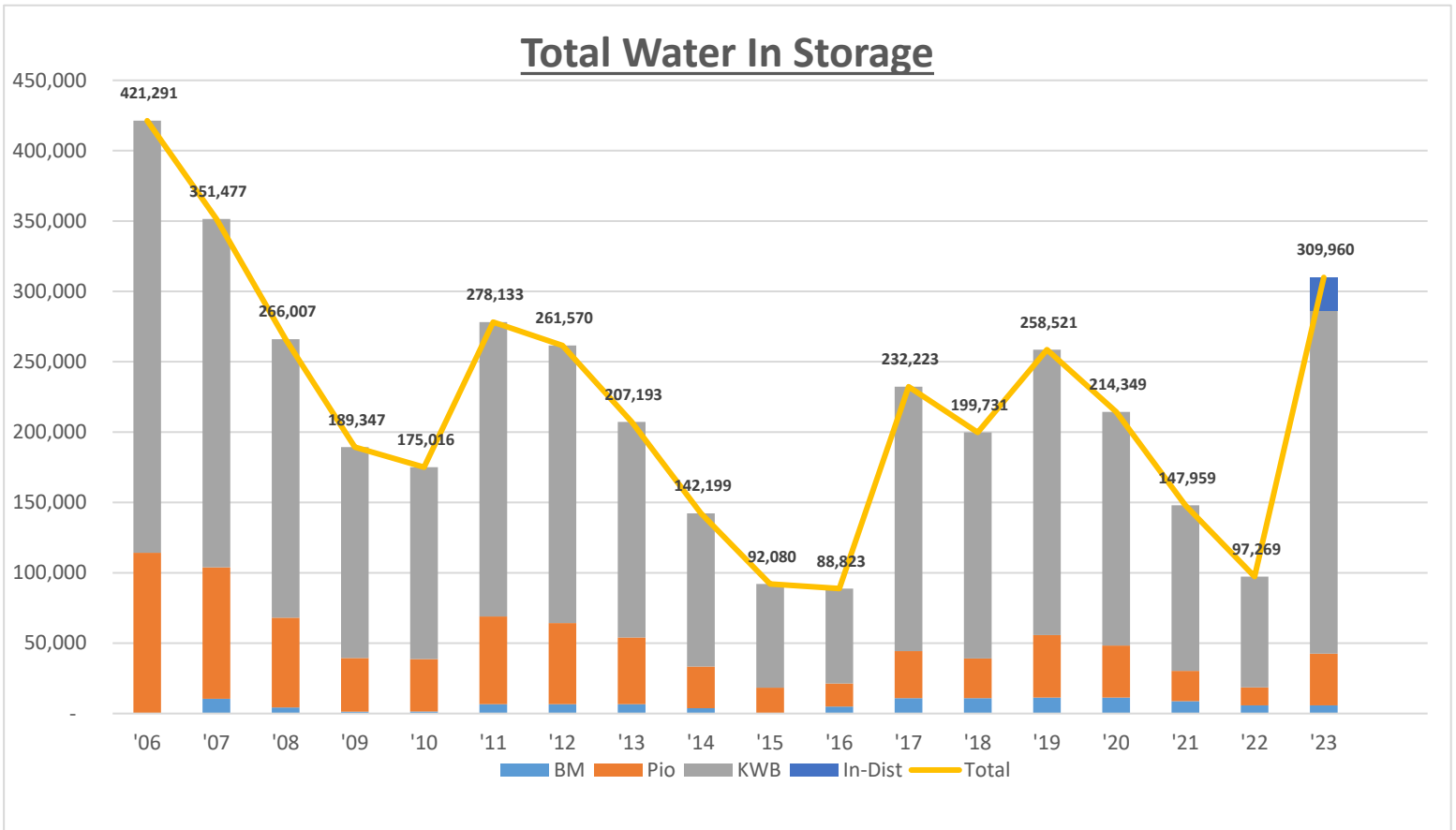
The amount of State Water Project water stored during the month of January increased approximately 28,609 acre-feet going from 368,649 acre-feet at the end of December to 397,258 acre-feet at the end of January. On January 31, SLR overall storage is approximately 788,000 acre-feet from full.

Carryover (Update). At present, staff estimates total District carryover to be approximately 20,000 acre-feet. Approximately 8,000 acre-feet of which is Water User carryover, with the remainder being District carryover. This volume is lower than the 25,000 acre-feet which was previously reported. This is due Water User deliveries being significantly higher in December than what was estimated, and the need to reduce some of our

These numbers are estimates only and subject to reconciliation as more information is received.

Banking Operations (Update). No additional banking operations have occurred since the District stopped recharging in all projects on December 31st. KCWA continues to reconcile and invoice for 2023 recharge operations; an estimated 212,000 gross acre-feet were recharged in 2023 as follows:

	B. Mesa	Pioneer*	Kern W.B.	In-District	Total
February	-	7,795	16,526	-	24,321
March	-	3,986	16,988	510	21,484
April	-	3,234	20,702	2,729	26,665
May	-	379	17,756	4,707	22,842
June	-	-	15,003	3,577	18,580
July	-	4,051	15,402	4,205	23,658
August	-	1,931	15,846	3,211	20,989
September	-	-	14,393	2,517	16,910
October	-	40	13,395	1,442	14,877
November	-	1,108	10,905	554	12,567
December	-	1,436	8,327	35	9,798
TOTAL	-	23,960	165,244	23,487	212,691
Carryover	-	11,154	26,180	-	37,334
Article 21	-	-	2,915	11,523	14,438
Lower River	-	7,448	83,345	-	90,793
SWP	-	5,359	52,803	11,964	70,126
TOTAL RECHARGE	-	23,961	165,243	23,487	212,691



RETIRED ANNUITANT REPORT (R. KUNDE)

Delta Conveyance Project (DCP) - CEQA Litigation. The 30 day period to file CEQA litigation on the Delta Conveyance Project Final Environmental Impact Report closed about January 23. At least nine lawsuits were filed against the California Department of Water Resources. The nine known Plaintiffs were the City of Stockton, County of Butte, County of Sacramento, County of San Joaquin et al., Sacramento Area Sewer District, San Francisco Baykeeper, et al., Sierra Club, et al., South Delta Water Agency, et al, and Tulare Lake Basin Water Storage District. DWR is the only named respondent/defendant. All cases alleged CEQA violations, and most allege violations of the Delta Reform Act, Public Trust Doctrine and Delta and Watershed Protection Acts. All but South Delta Water Agency's case were filed in Sacramento County Superior Court. The South Delta Water Agency filed in San Joaquin County Superior Court. *(Source: Metropolitan Water District Office of the General Counsel Monthly Activity Report - January 2024)*

Delta Conveyance Project - Schedule. *(Updated from the December Report.)* The schedule for DCP activities includes:

- early 2024: filing an application for a Change in Point of Diversion (CPOD) with the State Water Resources Control Board,
- 2024 Q2: preparation of a Class 4 cost estimate,
- 2024 Q2: a call for funds (not bond debt) from the State Water Contractors and Member Units,
- mid 2024: issuance of the final federal Environmental Impact Statement,
- 2024: issuance of federal Biological Opinions and the state Incidental Take Permit,
- 2024-26: continuing engineering design,
- 2026: obtain approval of the CPOD, and
- 2026-27: obtain a Consistency Determination with the Delta Plan.

The construction period is estimated at 13 years from start of construction. Start of construction is to be determined based on progress on the activities described above including litigation.

Delta Conveyance Project - Short-Term Funding. Additional funding from participating State Water Contractors and Member Units will be needed in 2024 to continue DCP permit activities, engineering, water right activities and other matters. More funding information is expected to become available in February to March. Board discussion is anticipated to occur at the March Board of Directors meeting.

Sites Reservoir - Final Environmental Impact Report Litigation. There is no new information on this matter that can be provided in open session.

Sites Reservoir - Water Right Application. During January, Sites staff continued to communicate with the 15 Protestants to the Application. The "Protest Resolution Period" ends on February 28, 2024. Some, but not all, of the Protests are expected to be resolved prior to the formal evidentiary hearing in 2024.

Sites Reservoir - Joint Meeting of Sites Project Authority (SPA) and Reservoir Project Committee (RPC). At its January 19, 2024 meeting, the SPA and/or RPC took actions as follows:

- approved the Consent Agenda (3 items);
- confirmed that the development of the Benefits and Obligations (B&O) Contract remains consistent with the Board adopted Guiding Principles and Preliminary Terms, and delegated development of further operational details to the Operations and Engineering Committee;
- reviewed the four policy recommendations of the Local Community Working Group (LCWG - see details below), and directed staff to proceed with implementing the recommendations as part of the project and in cooperation with the LCWG;
- authorized the Executive Director to submit the Project's Clean Water Act 404 and 401 Permit Application;
- authorized the Executive Director to submit the Project's Eagle Conservation Plan to the US Fish and Wildlife Service for a Bald and Golden Eagle Protection Act Permit for Project construction and operations; and
- approved the 2024 State and Federal Legislative Priorities.

The LCWG was established in the fall of 2022 to provide a forum for local community engagement in the development of the project. After seven meetings (two attended by the Retired Annuitant), the LCWG made four recommendations as follows.

1. Require all construction contractors to be responsive to the Maxwell community needs (due to the proximity to most of the project work) and develop standard provisions to be included in all Sites construction contract documents requiring all work to be performed in a manner compatible with local needs.
2. Establish goals and incentives for local hiring. Implement a program that trains and hires residents and set a goal for a specific percentage of the project workforce to reside in Colusa, Glenn, Yolo, Sutter, Butte, Tehama, Shasta, Placer, and Sacramento counties. Ensure that local businesses can compete for the contracts and purchase orders necessary to construct the project .
3. Since there will be long-term effects of the project on the provision of public services in the vicinity of the reservoir (e.g. emergency response, crime prevention, school population, etc.), the Sites Project should perform an analysis of the current public service staffing and equipment limitations and take steps in the Project planning to address these issues in the near term with the goal of achieving improved public service for all after the Project is in operation.
4. Conduct a study to determine the existing capacity of local infrastructure (broadband, water, sewer) and implement needed improvements in a manner that supports the project and also provides for potential improvements in service to the local community. This study should be conducted in conjunction with the Maxwell Community Plan that is required in the Colusa County General Plan.

Discussion items were as follows.

- A status report was provided on the scope and schedule for the federal Biological Assessments/Opinions and state Incidental Take Permit (ITP) covering Construction and

- Operations. This is the subject of a separate memo to the Board.
- An update on Project operations modeling was presented using the recently developed CalSim 3 model. This is a refinement of anticipated Project yield. Actual results are planned for presentation in March.
- A list was presented and discussed of the Lower Colusa Basin Drain System’s potential long-term agreements and related near-term actions to support the Benefits and Obligations Contract development process.

A lengthy closed session was held regarding the water right application, property acquisition and CEQA litigation.

The next regular joint Sites Project Authority/Reservoir Project Committee Meeting will be held on February 16, 2024.

Sites Reservoir - January 11 Grower Workshops. Two workshops were held on January 11 to brief participating growers on the status of the Project. Among other topics:

- Growers were provided with an estimate of the District Administrative Charge for 2025 since Phase 2 of the Project was extended through 2025 and the current Grower Participation Agreement terminates at the end of 2024. Growers were unanimously accepting of the estimate and agreed an Agreement amendment should be developed.
- An update to the ProForma 2.0 financial model was presented reflecting correction of an error in the prior estimate. The results were a higher accumulated cost per accumulated acre-foot values.

Meetings. The Retired Annuitant attended the following meetings during the month including 10 meetings for the Sites Project.

- Jan 11 Delta Conveyance Project - Policy Briefing at Kern County Water Agency
- Jan 23 Delta Conveyance Project - Policy Update
- Jan 05 Sites Reservoir - Benefits and Obligations Contract
- Jan 12 Sites Reservoir - Budget and Finance Committee
- Jan 10 Sites Reservoir - Coordination Committee
- Jan 11 Sites Reservoir - District Grower Workshop #1
- Jan 11 Sites Reservoir - District Grower Workshop #2
- Jan 16 Sites Reservoir - DWR/BuRec/Sites Operations Agreement
- Jan 19 Sites Reservoir - Joint Authority/Reservoir Committee Board of Directors
- Jan 18 Sites Reservoir - Operations Agreement Technical Team
- Jan 10 Sites Reservoir - Operations and Engineering Work Group
- Jan 04 Sites Reservoir - South of Delta Participant Group - Planning Meeting
- Jan 18 State Water Contractors - Board of Directors
- Jan 10 WRMWSD - Board of Directors

DIRECTOR OF WATER RESOURCES REPORT - E. MCDARIS

2024 State Water Project Allocation

DWR announced the initial 2024 State Water Project allocation of 10% on December 1, 2023. DWR’s allocation analysis considered several factors including existing storage in SWP conservation reservoirs, SWP operational constraints such as the conditions of the Biological Opinions for Delta Smelt and Salmonids, and the Longfin Smelt Incidental Take Permit, and the 2023 contractor demands. DWR may revise the initial and subsequent allocations if warranted by the year’s developing hydrologic and water supply conditions.

The 10% allocation is consistent with the 90% probability of exceedance study with moderate Old and Middle River (OMR) restrictions in DWR’s most recent “*Allocation Analysis for 2024*” (Analysis). The *Analysis* includes different ranges of impacts from the Delta Smelt and Salmon Biological Opinions as well as the Longfin Incidental Take Permit (the *Analysis* uses existing Delta Smelt Biological Opinion standards). Key points of the *Analysis* include:

The January 22, DWR analysis results for 2024 are as follows (values in acre-feet).

Source/SVI	Critically Dry	Dry	Below Normal	Above Normal
SWP Allocation	9%	25%	37%	51%
OMR Restriction [a]	Moderate	Moderate	Moderate	Moderate
Prob. Of Exceedance [b]	90%	75%	50%	25%
District Supply	17,738	49,272	72,923	100,515

- [a] Average Old and Middle River reverse flow restrictions (cfs) from December 2023 to July 2024.
- [b] Example: a 90% Probability of Exceedance means there is a 9 in 10 chance conditions will be wetter than assumed, and 1 in 10 chance conditions will be conditions will be drier than assumed.

Note that precipitation is not runoff, and runoff is not Delta export pumping for the District. Under normal conditions, an average precipitation year equates to a 65% to 75% SWP allocation depending on timing and proportions of snow and rain.

Water and Snowpack Conditions.

The “*Northern Sierra 8-Station Precipitation Tabulation*” index of rain and snow water content for the Sacramento, Feather, Yuba and American River Basins in January was 10.0 inches of the monthly average of 9.1 inches. *Accumulation* for the season is as follows:

Current Amount – October 1, 2023 – September 30, 2024,	20.8”
Seasonal Average to Date	27.3”
Seasonal Percent of Average to Date	76%
Average (historic) for the entire Water Year (Oct. 1 through Sep. 30)	53.2”

The “*San Joaquin 5-Station Precipitation Tabulation*” index for the month of January was 5.6 inches, which is 72% of historical average (7.7 inches). *Accumulation* for the season is 10.0 inches, which is 50% of the seasonal average of 19.9 inches.

THE CONTRACT ADMINISTRATOR'S WORK INCLUDED:

Contract/ Water Allocation Work.

- Contract 22B & 124A13
 - Received Grant Deed
 - Grant Deed Review/Verification
- Contract 62, 63, & 160
 - Completed and Mailed Assumption Agreement to Landowner
 - Pending Landowner's Notarized signatures
- Contract 2.01B & 12102
 - Received notarized Board Signatures
 - Pending recording at the Kern County's Recorder's Office
- Contract 86G
 - Received signed Amendment Agreement back from the Landowner.
 - Ready and pending notarized Board signatures.
- Contract 51 & 51C
 - Completed Cover Letters for agreements to send by mail.
 - Completed Assumption Agreement
 - Completed Combined Turnout Agreement/Pending review
- Contract 22F, 56, 104A, & 124A20
 - Completed Post Recording Procedures
- Other Contract work
 - 03 Drafted/Completed Farming Unit Operation Agreements

Landowner Assistance.

- Assisted Water Users with information regarding water ledger—YTD use, acre-feet remaining, carryover, user input agreement questions/balances, water allocations/costs, water returns, etc.
 - Assisted 04 Water User (s) with 2024 SWP Allocation/Pool/Return Water questions.
 - Assisted 11 Water User (s) with Carryover/Water/Usage
 - Assisted 08 Water User (s) with 2024 Water Costs/Allocation/Other questions.
 - Assisted 03 Water User (s) with APN District verification (Appraiser Requests)
 - Assisted 04 Non-contract User (s) with general allocation/cost associated with The District.
 - Assisted 04 Water User (s) with Farming Unit Operation Agreement questions.
 - Assisted 17 Water User (s) with Second Priority Sub-Account Program
 - Assisted 04 Water User (s) with GWSC Questions/Information
 - Assisted 02 Water User (s) with Current Contract Transfer Updates
 - Assisted 03 Potential Water User (s) with Water District Information/Water Allocations/Costs
- Processed 01 Title Demand Request
- Processed 01 Water Transfer Agreement
- Processed 03 Returns to Place Water in the District Pool

Other Tasks.

- Important Notices via email to Landowners/Water Users
 - KWB Sub-Account Subscription Supply Reminder
- Completed weekly water schedule updates, reconciling variances with Dispatch and Controller.
 - Worked with Controller & Operations on End of Month Water Reports & Non-Contract Accounts.
- 2023 Delinquencies

- Assisted the District Controller with the post-delinquent tasks for previous delinquent accounts.
 - Updated Delinquent Calendar for Procedures
 - 1/10/24 – Collected the Secretary of the Board of Directors signature for the Delinquency Release
 - 1/10/24 - Filed Release of Delinquency on List of Delinquent Tolls & Charges at the Kern County Recorder's Office
- Reviewed the monthly Accounts Payable and distributed Board and Annuitant payables.
 - Managed Petty Cash Fund and EC stamp cash fund
 - 1/10/24 Attended Board Meeting
 - 1/03/24, 1/02/24, 1/10/24, 1/12/24, 1/23/24 Landowner Phone Call/In-Person Meeting(s)
 - Prepared monthly report for Board Meeting packet.

ACCOUNTING ACTIVITIES – J. SMITH

January 2024

Controller's Report:

2024 Water Allocations, Deliveries, and Billings. The January water reports were mailed on February 1. On December 1, 2023, DWR announced an initial SWP allocation of 10% of CAW. The District's current allocation is 100%. If as expected, the State and Supplemental allocation does not reach 100%, a lower revised water supply will be allotted later this year. Current allocations are:

	<u>Acre-Feet</u>
• SWP	200,818.00
• Supplemental	0.00
• User Input (Jan-Dec)	0.00
• Carry Over	8,041.07
• TWS	0.00
• Pooling net of pool purchase	<u>-704.00</u>
• Total Supply	208,155.07
• Deliveries (Jan-Dec)	<u>1,092.92</u>
• Unused	<u>207,062.15</u>

- The first Contract billing statements were mailed on January 23.

Controller Report-Smith:

- Continued job search for assistant controller.
- **Meetings:**
- January 19-Assistant Controller interview at BHK
- January 19-CPA CPE Webinar
- January 22-Assistant Controller interview at BHK
- January 25-Assistant Controller interview at District
- January 30-California Family Leave update with District counsel
- February 7-Assistant Controller interviews at BHK
- February 8-Assistant Controller interviews at BHK

The Staff Accountant's activities included:

- Assisted 3 water users with year-end detail, payment history, and water cost breakdowns
- Processed one pool credit refund to a water user
- Coordinated the year-end update for the Great Plains software and installation on the Accounting Department computers
- Prepared the diesel fuel sales tax return
- Prepared 1099-NEC forms for 2023
- Produced Sites Reservoir income and expense reports for the Retired Annuitant
- Prepared trial balance reports requested by the Director of Water Resources
- Created a spreadsheet detailing the history of SGMA expenses paid by the District
- Revised the Safe Pay procedure to integrate with the new OneDrive file system
- Revised the Accounts Payable procedure for making electronic payments to vendors
- Published a new procedure for printing computer checks from the Revolving account
- Reviewed 2024 payroll tax withholding calculations by payroll processing company
- Reviewed the revised worker's comp report produced by the payroll processing company

- Responded to one industrial water request
- Prepared miscellaneous invoicing for industrial water contracts, Sites Reservoir participation, Setup/Handling Fees, closing work orders to water users, and South of Kern River shared expenses
- Followed up on outstanding miscellaneous A/R invoices
- Assisted Accountant with bank reconciliation issues
- Processed incoming checks and wire transfer cash receipts
- Entered payroll account transactions into Wells Fargo fraud software
- Recapped YTD work order expenses and compiled backup invoices
- Entered journal entries in the general ledger
- Reconciled general ledger accounts
- Completed the Budget, Capital Expenditure, and Reserve Reports
- Prepared a financial report for the South of Kern River GSP
- Prepared financial reports and accounts payable checks for Committee for Delta Reliability
- Reviewed paid A/P invoices for coding and budget expenditure results
- Continued training to back up Controller with water billing in Access and Latis
- Attended the WRMWSD Board meeting and assisted with recording minutes
- Participated in weekly accounting department meetings
- Participated in the audit walk-through by audit staff members
- Published the audit request list, assigning tasks to the appropriate staff members
- Began uploading audit responses to the audit sharefile as they are turned in by staff

The Accountant's activities included:

- Accounting/Payroll:
 - Reviewed Daily Kern County and Wells Fargo Fund Activity.
 - Prepared Bi-Weekly Burden Rate/Register Fund Worksheet.
 - Maintained District's Accounts Payable Fraud Protection Software.
 - Attended Monthly Board Meeting Remotely.
 - Prepared/filed governmental compliance reports.
 - Prepared Monthly Bank Reconciliations Balance to General Ledger.
 - Notified Contract Administrator of bank funds for AP.
 - Attended Weekly Accounting Meetings.
 - Prepared and Posted Monthly Journal Entries.
 - Reviewed Banking Client Analysis Statement for validity of charges.
 - Prepared Monthly Miscellaneous Invoices for Cattle, Short Run, and Industrial.
 - Prepared Expense Reports for Operations and Maintenance Training.
 - Verified KCWA Transfer processed with County and the Agency.
 - Prepared and submitted 4th Quarter Worker's Compensation.
 - Prepared and Posted 2023 OSHA 300A Report.
 - Prepared and submitted Audit Schedule Requests.
 - Prepared and submitted OPEB Requests to auditors and Foster & Foster.
- Board Preparations:
 - Prepared Treasurer's Report and Supporting schedules and Documents.
 - Maintained Burden Distribution by employee for Budget Expenditure Report.
 - Assisted Operations Superintendent with Safety Incentives.
 - Prepared Monthly Expenditure Report.
 - Prepared Monthly Board Certification.
 - Assisted with Board preparations and set up.

- Prepared Estimated PR voucher worksheet for board.
- Prepared & Sent Board Vouchers for AP, CDR, and Payroll.
- Prepared Monthly Cell Tax Worksheet.
- Prepared Board Bank Balances for Kern County, LAIF, and Wells Fargo.
- Prepared Board A/P Reconciliation worksheet.
- Prepared Board Payroll Reconciliation worksheet.
- Prepared Monthly PR Fund Report.
- CalPERS/Benefits/Miscellaneous:
 - Review CalPERS annual evaluation reports.
 - Prepared CalPERS payroll data transmitted along with payments.
 - Reviewed CalPERS correspondence.
 - Reviewed CalPERS PEPR Actuarial Report.
 - Review CalPERS annual evaluation reports.
 - Prepared CALPERS Audit Schedule Requests.
 - Submitted CALPERS GASB 68 Report to Auditors.
 - Attended Pregnancy Disability Leave Meeting
 - Code of Safe Practices: Close Call-Near Misses.
 - Assisted Controller and Engineer-Manager with Director Benefits.
 - Maintained Life Insurance Supplemental Worksheet.

The Junior Accountant's activities included:

- Accounts Payable: code, obtain approvals, and post all invoices to the District's accounting program
- Prepared payroll
- Prepared burden payments
- Prepared Director's payroll
- Daily desktop deposits of cash receipts
- Manual checks report for January
- Attended Accounting Department meetings
- Packed up old AP files
- Made new vendor folders for 2024
- Filed and organized invoices
- Attended payroll meetings
- Attended Employee Committee Meeting
- Trained employees on our payroll system

ENGINEERING ACTIVITIES - T. SUGGS

January 2024

South of Kern River (SOKR) GSP:

- During January, water levels were recorded in 14 out of 14 monitoring wells.
- An order was placed for 11 water level dataloggers; this expense will be submitted for reimbursement under a Proposition 68 grant.
- All 2023 water transactions, i.e., water deliveries for irrigation, industrial use, and landowner recharge, were tabulated and uploaded to the Kern Subbasin data management system (DMS) on January 17th. This was the target set by the KGA to enable Todd Groundwater time to prepare a combined 2023 Water Year Annual Report for the entire Kern Subbasin.
- A brief narrative report of progress made toward SGMA implementation during 2023 was drafted with the assistance of the Director of Water Resources.

White Wolf Basin GSA:

- Water levels were observed in 10 SGMA monitoring wells and conveyed to EKI.
- A malfunctioning datalogger was replaced under warranty in one monitoring well.
- Laboratory analytical reports of oxygen¹⁸-deuterium isotopes in 10 samples from the Mettler ponds were also provided EKI in furtherance of an attempt to estimate the travel time between the ponds and the underlying aquifer.
- EKI was provided with certain summary tables of 2022-2023 water deliveries to enable them to prepare the 2023 Water Year Report for the White Wolf Subbasin. These included:
 - Infiltration and evaporative losses at the Mettler recharge ponds
 - Water deliveries for irrigation and landowner recharge
 - User Input groundwater produced

850A-850B System Interconnection:

- Draft easement maps were revised for the three affected parcels and approximate property boundaries were field further marked in the vicinity of the site.
- Staff worked with Tejon Ranch's GIS Department to try to research the true boundaries and chain of title for one affected parcel.
- Calculations were conveyed to PG&E's consultant on January 8th showing the District's estimate of the kilowatt hours that can be avoided by connecting the 850A and 850B systems.

Groundwater Service Charges:

- The Assistant Engineer prepared various input files for use in calculating the GWSC charges to get familiar with the process. Although the Board has not directed staff to assess charges at this time, bills will be calculated each month until such time as they are needed.
- The Staff Engineer drafted a memorandum on considerations that would be involved in a program for measuring landowner groundwater extraction by well metering in lieu of remote sensing. Currently, groundwater extraction can only be estimated as the net of applied water and crop water use.
- Meter manufacturers and products were researched and discussions were held with meter vendors and a product demonstration was scheduled.

10P Lateral Repair Kit: District Officers executed a contract agreement with Northwest Pipe Company for furnishing a 78-inch-diameter pipe repair kit to help expedite repairs to the 10P main lateral on January 2nd and 3rd. A Notice to Proceed with production was subsequently issued to Northwest Pipe on January 5th.

Underground Facilities and Turnouts: The following field activities and/or research were conducted related to underground facilities:

- Engineering Department staff responded to 144 underground services alerts (USAs) during the month, eventually marking a total of 4.0 miles of District pipelines.
- Following the O&M Department’s successful efforts to drain the 10P Lateral, the entire Engineering Department staff walked through the empty pipe past the low point on January 12th, finding that the pipe was completely dewatered, very clean, and lacking in spalls and visible cracks.
- Big N Deep, Inc. struck an air valve on the District’s BR-C1 Lateral on January 21st. It was subsequently determined that:
 - At the time of the strike, the excavator was ripping inside of a 50-foot-wide buffer zone that was marked around the pipe centerline, contrary to Big N Deep’s written agreement.
 - The air valve was offset to the side of the lateral pipeline about 7-8 feet and was not shown on any drawings available to the District.
- A different deep ripping firm was advised about its obligation to notify the District of any changes to the ripping plans and to stay out of marked buffer zones in the WRM 13 Service Area.
- Field inspections were made while Water Users, oil companies, or communications companies constructed the following:
 - A valve new riser for an oil pipeline that happened to be located near the 5G Lateral.
 - A new fiber optic cable that was placed in parallel to the 9G-A Lateral by Camarillo Drilling
 - A 1-inch diameter filter station water conduit that crossed the 7P-7 Lateral

General Public: A Water User was provided with historical water level data in a SGMA monitoring well, which happens to be owned by the same Water User.

Corrosion Protection:

- A trouble report was made to correct a broken underground conduit to the 7P-P2 Plant rectifier station.
- The Corrosion Technician continued to pursue a known problem with slow corrosion in the manifold piping immediately below some hydropneumatic (HP) tanks. During the previous weeks several vendors of corrosion control services were contacted and varied responses were received.










Meetings Attended:

January 2	KCWA Operations Conference Call
January 9	Kern Subbasin DMS Working Meeting with GEI
January 11	White Wolf P/MA Committee
January 16	KCWA Operations Conference Call
January 17	Kern Fan Monitoring Committee
January 23	KCWA Operations Conference Call
January 30	KCWA Operations Conference Call

District Well Status Summary As of February 12, 2024

Well Name	Status / Description of the Problem	Most Recent Activity	Next Planned Activity
Not in Running Condition			
 <p>#C3</p>	Off line for vandalism; wires were stolen some time during November 2023. SWL was 637' on 1/24/2024.	Electrical wires were stolen in summer 2023, replaced in October 2023, and stolen again in November 2023. Tested 11/1/2023 and found to run very smoothly, producing 840 gpm with 9' of drawdown at good (71%) pump efficiency. L.O. Lynch completed installation of Goulds-made 12CLC, 13-stage pump assembly rated at 775 gpm 10/12/2023.	It is recommended that the well remain as is until it can be determined whether it will be needed during 2024. If needed, wires can be replaced within a few days.
Currently in Running Condition			
 <p>WRM7</p>	Currently off. SWL was 486' on 1/24/2024.	Redevelopment was completed 2/16/2023. FPI completed installing a new Flowise-made pump unit rated 950 gpm at 910' TDH 3/17/2023. Tested 5/17/2023 and found to produce 1007 gpm with 250' of drawdown.	
 <p>PA-1</p>	Currently off. SWL was 702' on 1/24/2024.	Tested 2/27/2023; found to produce 960 gpm with 21' of drawdown at good efficiency. New pump assembly rated 1007 gpm at 887' TDH was installed 6/28/2021.	
 <p>#A1</p>	Currently off. SWL was 665' on 1/24/2024.	Tested 11/8/2023 and found to produce 1500 gpm with 60' of drawdown at 77% efficiency. Motor was repaired and placed back in service 7/7/2021.	
 <p>#A2</p>	Currently off. Returned to service 11/14/2023. Known to have a dogleg in the borehole at about 760' of depth. SWL was 626' on 1/24/2024.	Tested 11/14/2023 and found to produce 420 gpm with 74' of drawdown at 72% efficiency. L.O. Lynch completed installation of a new submersible electric pump and motor unit on 10/12/2023 (Goulds 7CHC, 8-stage pump plus 150-hp, 3600-rpm electric motor).	
 <p>#A4</p>	Currently off. SWL was 585' on 1/24/2024.	Tested 2/28/2023; found to produce 690 gpm at 33' of drawdown but at relatively low (57%) efficiency. New bowl assembly rated 800 gpm was installed 2/22/2021. Placed back in service 4/13/2021.	
 <p>#B1</p>	Currently off. SWL was 736' on 1/24/2024.	Tested 2/28/2023 and found to produce 880 gpm with 22' of drawdown at 67% efficiency. New pump assembly (rated 1005 gpm at 868') installed 6/17/2021.	
 <p>#B2</p>	Currently off. SWL was 779' on 11/15/2023. Unable to sound well due to irrigation lines across the access road.	Redevelopment was completed 2/2/2023. On 3/2/2023 FPI completed installing a new Simflo-made pump unit rated at 950 gpm at 900' TDH. Tested 5/17/2023 and found to produce 974 gpm with 96' of drawdown.	

District Well Status Summary As of February 12, 2024

Well Name	Status / Description of the Problem	Most Recent Activity	Next Planned Activity
Currently in Running Condition			
 #C1	Currently off. SWL was 637' on 1/24/2024.	Tested 2/23/2023 and found to produce 1425 gpm with 25' of drawdown at 61% efficiency. Shock treated with chlorine 7/25/2022.	
 #C2	Currently off. SWL was 587' on 1/24/2024.	Tested 2/27/2023 and found to run at 860 gpm with 18' of drawdown at 61% efficiency.	
 #C5	Currently off. SWL was 568' on 1/24/2024.	Tested 2/21/2023; found to produce 1,565 gpm with 45' of drawdown at excellent (76%) overall plant efficiency. PG&E energized the transformer 9/2/2022.	
 #C6	Currently off. SWL was 725' on 1/24/2024.	Tested 2/27/2023; found to produce 1510 gpm at 104' of drawdown. A long-standing phase imbalance issue (i.e., low amperage on one leg) was partly resolved by PG&E in late July 2021.	
Out of Service			
 6P-P2	Off line for excessive drawdown. Appears to be even more clogged than it was in 2018. Has a new Simflo SR10C-20-stage pump ass'bly, but found to draw down to 1000' at 100-200 gpm 3/15/2021. SWL was 490' on 10/9/2023.	Listed in the SOKR GSP as a SGMA water level monitoring well.	Should probably remain unequipped until a substitute monitoring well can be found. It is likely that any viable option to improve the well will involve significant expense for little water.
 7P-P2	Currently unequipped. Shut down 7/9/2018 for vibration and low PWL (926') and a sudden loss of flow rate. Pump removed 8/13/2018. Upon inspection, impellers showed clear signs of cavitation. SWL was 609' on 10/12/2023.	Listed in the SOKR GSP as a SGMA water level monitoring well.	Should probably remain unequipped until a substitute monitoring well can be found.
 PB-1	All of the old column pipe was removed 3/23/2022. Part of the old pump assembly was also removed, but the bottom eight pump stages broke off and the hole remains full of sand fill below 785' of depth. SWL was 687' on 4/27/22.	Kaweah Pump air lifted approx. 2-3 feet of sand on 10/22/2022 before encountering a hard obstruction at 785'. Video logged 10/26/2022, revealing only a sandy bottom; nothing could be seen sticking up.	The chances of removing the stuck bowls are very small. Nevertheless, the site location is very favorable and it is recommended that the well be properly abandoned by grouting and that a replacement well be drilled in 2024.
 #A3	Began pumping sand and gravel on 4/21/2016. Video logged on 7/27/2016 and again 11/2/2016. A large casing split measuring up to 5" wide x 20' long was seen at 613' of depth together with 240' of sand fill.	Per advice of the GW Committee, staff began pursuing replacement of this well in June 2021. GEI Consultants was retained to assist in August 2021. So far, GEI has focused work on investigating local conditions, drafting bid documents, and developing a well design.	It is recommended that this well be converted to a monitoring well and that a replacement well be drilled in 2024.
 #C4	Failed 4/17/04. Equipment stuck down hole. Suspect collapsed casing at about 120'.	Same as above.	The hole should be properly abandoned by grouting. It is believed that it may not be economic to replace this well due to the limited pumping season in C Reach of the 850 Canal. Moreover, the site is located within one half mile of two active District wells.

CLIMATOLOGICAL DATA FOR GREENLEE'S PASTURE

Parameter	1/1/2024	Since 10/01/2023	Days Occurred in January
Maximum Temperature	74°	101°	29th
Minimum Temperature	30°	38°	8th, 9th, 12th
No. Days at or over 100° F	0	1	N/A
No. Days at or under 32° F	4	12	8th, 9th, 12th, 15th
Precipitation (inches)	1.45	3.26	3rd, 7th, 17th, 21nd-23th
Evaporation (inches)	1.79	12.02	----
Wind Run	1,845	6,437	----

STORAGE IN MAJOR RESERVOIRS (Acre-Feet)

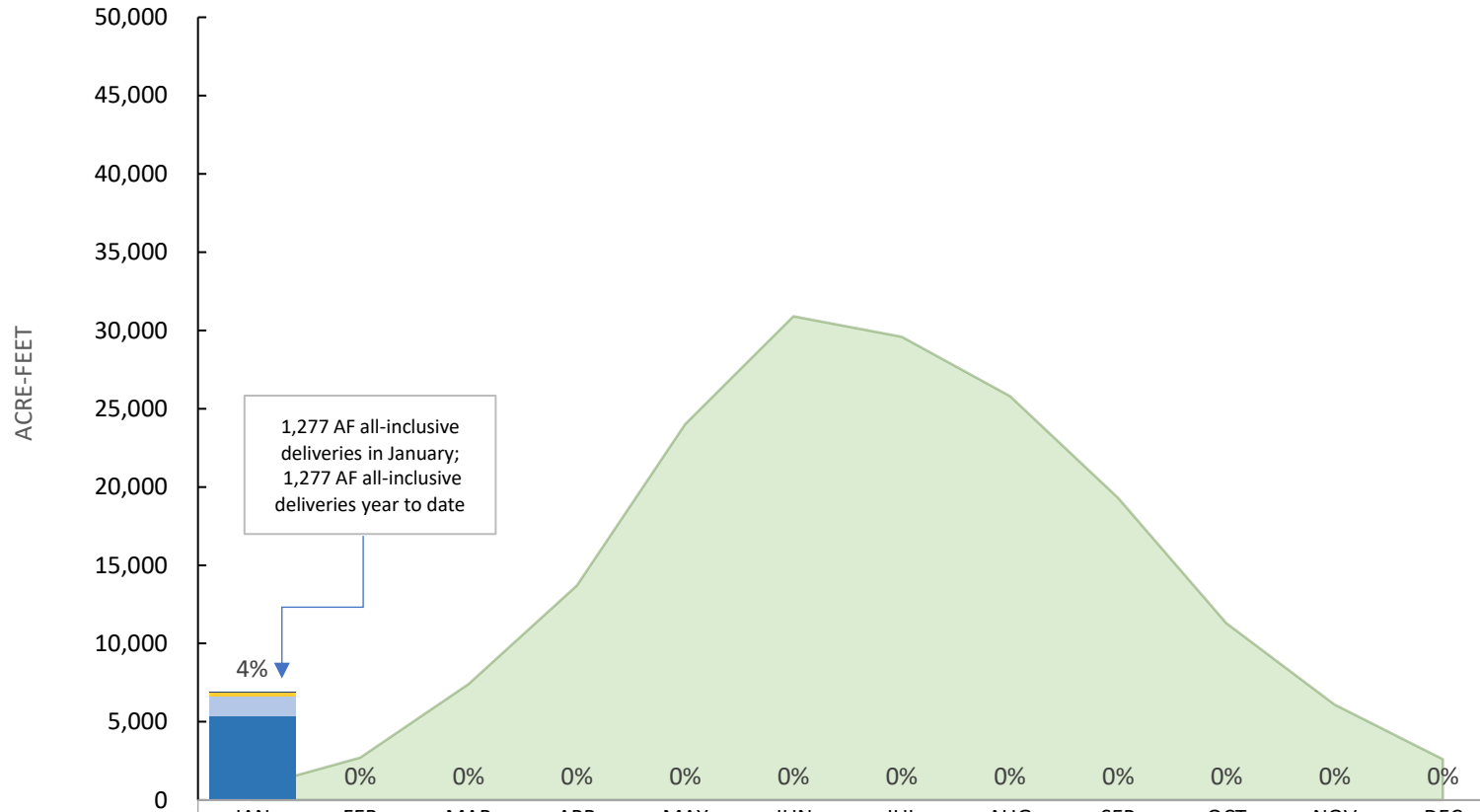
Reservoir	Capacity	Storage at End of January	
		2023	2024
Shasta	4,552,000	2,570,345	3,623,764
Oroville	3,538,000	2,297,971	2,704,434
San Luis (Total)	2,028,000	1,277,608	1,239,583
San Luis (State Share)	1,062,000 (a)	780,799	397,258
Folsom	977,000	500,500	537,794
Isabella	361,250 (b)	116,748	206,668
Millerton	520,000	364,107	285,682
TOTALS	11,976,250	7,127,279	8,597,925

(a) The San Luis (State Share) is included in San Luis (Total) but not included in total capacity or storage.

(b) US Army Corps Of Engineers' authorized capacity = 568,075 AF on May 1, 170,000 AF November 1 - January 1

NR Not reported as of this publication

IN-DISTRICT WATER DEMANDS AND SURFACE WATER DELIVERIES THROUGH January 2024



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Typical average SW demand (AF)	800	2,700	7,400	13,700	24,000	30,900	29,600	25,800	19,300	11,300	6,100	2,600
Est. % of crop water dem. from GW	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Est. add'l landowner GW pumping (AF)	257							0				
User Input GW Incl. District Wells (AF)	0	0	0	0	0	0	0	0	0	0	0	0
District Non-GW Deliveries (AF)	1,227	0	0	0	0	0	0	0	0	0	0	0
Effective Precipitation (AF)	5400											

Wheeler Ridge-Maricopa Water Storage District

(Includes water from the State Water Project, banking projects, District wells, and User input.)

Monthly Deliveries in Acre-Feet

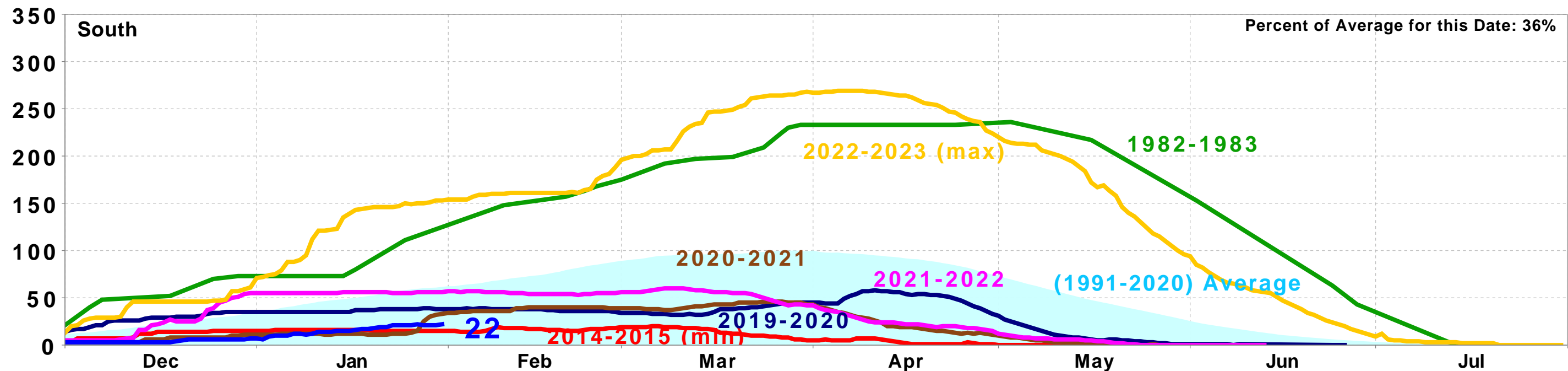
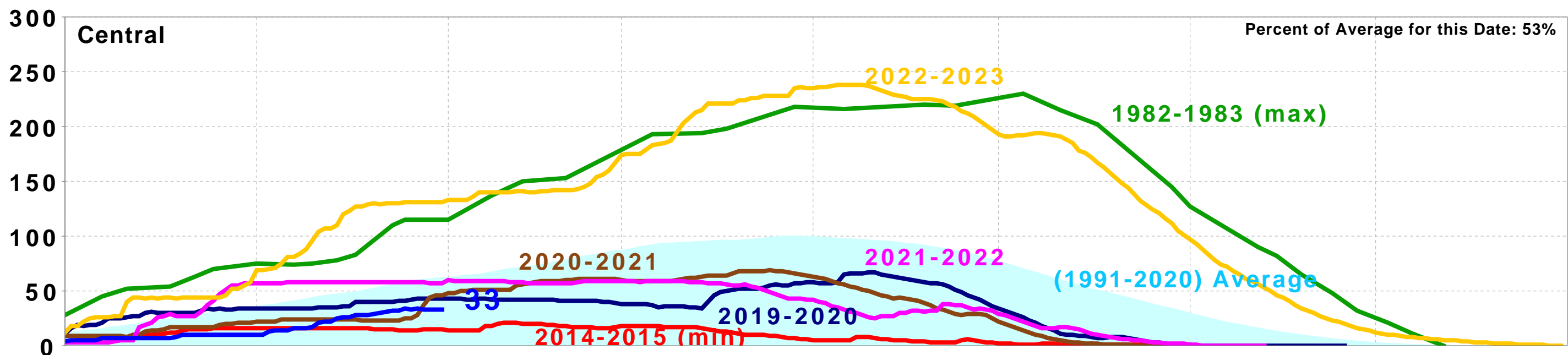
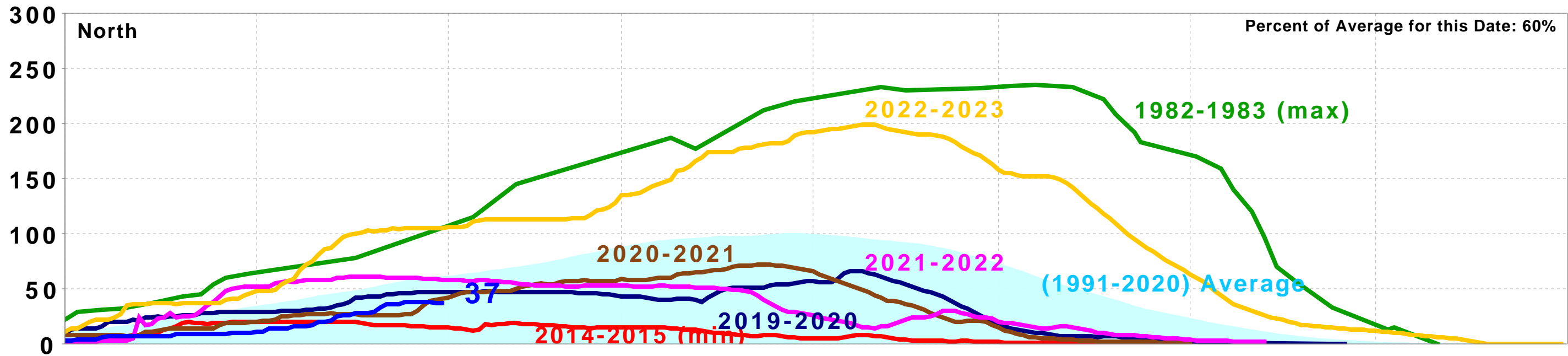
Month	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017*	2018	2019	2020	2021	2022	2023	2024
January	1,962	5,258	1,615	1,265	894	1,613	6,108	2,213	3,367	2,210	1,223	2,425	1,785	3,055	1,386	1,785	1,094	1,357	1,277
February	7,588	7,269	6,933	2,952	3,440	5,333	8,128	6,387	6,380	4,666	3,077	1,454	7,704	1,667	4,641	4,188	4,131	2,204	
March	9,315	12,557	12,392	10,151	8,440	7,938	10,696	10,695	9,627	10,157	10,218	8,184	3,174	5,494	5,170	6,838	6,387	2,572	
April	10,572	15,665	17,770	17,717	12,966	13,935	10,521	16,999	13,994	17,102	13,133	14,731	13,500	14,824	7,084	13,797	11,546	8,606	
May	20,700	25,488	24,384	24,151	20,664	21,545	23,320	25,754	23,317	20,936	21,496	25,759	21,858	16,441	20,278	19,202	17,606	21,338	
June	26,542	29,940	27,348	26,379	29,411	27,534	29,261	29,894	25,128	24,540	29,390	32,629	28,802	27,146	24,279	26,995	23,445	25,453	
July	29,107	28,394	29,661	30,156	32,124	29,719	28,259	28,599	23,476	21,401	29,546	33,290	28,233	30,633	26,042	26,560	23,709	32,167	
August	25,078	21,817	22,680	22,153	23,873	24,461	25,027	24,554	17,490	18,220	26,948	26,639	26,029	27,793	22,464	18,539	17,855	23,440	
September	16,897	13,924	16,050	17,453	18,335	17,923	16,678	17,090	15,244	14,908	15,452	17,376	17,705	18,343	15,043	13,169	12,837	16,813	
October	9,033	9,385	10,797	11,953	8,156	12,343	13,075	13,440	13,394	10,715	11,135	14,974	13,896	12,444	10,551	7,351	7,179	11,992	
November	5,438	5,609	6,093	5,669	5,872	4,699	4,895	6,485	5,412	4,862	4,957	5,351	5,867	6,300	5,171	2,689	3,190	6,035	
December	4,788	7,424	3,245	2,739	2,515	6,315	3,354	6,615	4,231	3,055	2,520	4,449	4,626	5,266	3,796	1,569	1,557	5,155	

Accumulated Monthly Deliveries in Acre-Feet

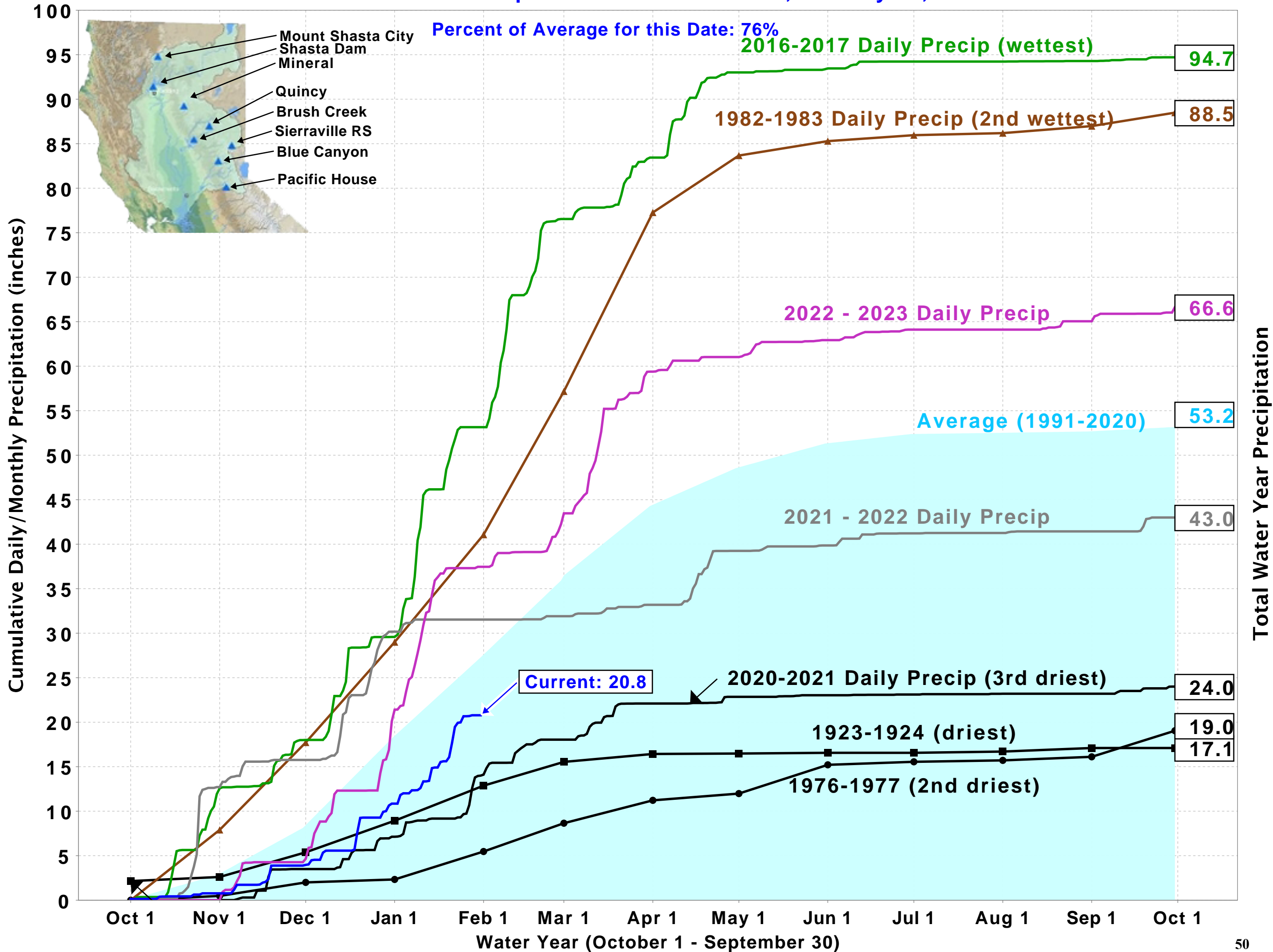
Month	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
January	1,962	5,258	1,615	1,265	894	1,613	6,108	2,213	3,367	2,210	1,223	2,534	1,785	3,055	1,386	1,785	1,094	1,357	1,277
February	9,550	12,527	8,548	4,217	4,334	6,946	14,236	8,600	9,747	6,876	4,300	3,879	9,489	4,722	6,027	5,973	5,225	3,561	
March	18,865	25,084	20,940	14,368	12,774	14,884	24,932	19,295	19,373	18,191	14,518	12,063	12,663	10,216	11,197	12,811	11,612	6,132	
April	29,437	40,749	38,710	32,085	25,740	28,819	35,453	36,294	33,367	35,293	27,651	26,794	26,163	25,040	18,281	26,608	23,158	14,738	
May	50,137	66,237	63,094	56,236	46,404	50,364	58,773	62,048	56,684	55,071	49,147	52,553	48,021	41,481	38,559	45,810	40,764	36,076	
June	76,679	96,177	90,442	82,615	75,815	63,014	88,034	91,942	81,812	79,611	78,537	85,182	76,823	68,627	62,838	72,805	64,209	61,529	
July	105,786	124,571	120,103	112,771	107,939	107,617	116,293	120,541	105,288	101,012	108,082	118,472	105,056	99,260	88,880	99,365	87,918	93,696	
August	130,864	146,388	142,783	134,924	131,812	132,078	141,320	145,096	122,778	119,232	135,030	145,111	131,085	127,053	111,344	117,904	105,773	117,136	
September	147,761	160,312	158,833	152,377	150,147	150,001	157,998	162,186	138,022	134,140	150,482	162,487	148,790	145,396	126,387	131,073	118,610	133,950	
October	156,794	169,697	169,630	164,330	158,303	162,344	171,073	175,626	151,416	144,855	161,617	177,461	162,686	157,840	136,938	138,424	125,789	145,941	
November	162,232	175,306	175,723	169,999	164,175	167,043	175,968	182,111	156,828	149,717	166,574	182,812	168,553	164,140	142,109	141,113	128,979	151,976	
December	167,020	182,730	178,968	172,738	166,690	173,358	179,322	188,726	161,059	152,772	169,094	187,261	173,179	169,406	145,905	142,682	130,536	157,131	
SWP Allocation%	100%	60%	35%	40%	50%	80%	65%	35%	5%	20%	60%	85%	35%	75%	20%	5%	5%	100%	10%
SWP Allocation (AF)	197,088	118,253	68,981	78,835	98,544	157,670	128,107	68,981	9,854	39,418	118,253	167,525	68,981	147,816	39,418	9,854	9,854	197,088	19,709

7 a/f difference

California Snow Water Content, January 31, 2024, Percent of April 1 Average



Northern Sierra Precipitation: 8-Station Index, January 31, 2024



WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
2024 WATER SUPPLY/DEMAND ESTIMATE
 As of Feb 01, 2024

	Capacity Values in acre-feet	10% SWP ALLOCATION		25% SWP ALLOCATION		37% SWP ALLOCATION		51% SWP ALLOCATION	
		Supply	Shortage or (Excess)	Supply	Shortage or (Excess)	Supply	Shortage or (Excess)	Supply	Shortage or (Excess)
Sacramento Valley Water Year Index (40-30-30)		Critically Dry		Below Normal		Wet		Wet	
Probability of Exceedance		90%	P.O.E.	75%	P.O.E.	50%	P.O.E.	25%	P.O.E.
Assumptions		10% Allocation		25% Allocation		37% Allocation		51% Allocation	
Estimated Demand									
-- WRMWS in-District deliveries (b)			181,200		181,200		181,200		181,200
-- less demands over the CAW			-		-		-		-
-- Common Landowner Transfer from WRM			-		-		-		-
-- Actual Groundwater Recharge			-		-		-		-
-- SWP Table A Banking Deliveries			-		-		-		-
Total Estimated Demand			181,200		181,200		181,200		181,200
Surface Supplies									
SWP Table A Entitlement	197,088	19,709	161,491	49,272	131,928	72,923	108,277	100,515	80,685
SWP Supply		19,709	10%	49,272	25%	72,923	37%	100,515	51%
Lyndal Water	-	-	161,491	-	131,928	-	108,277	-	80,685
Supplemental 1 Supplies - District									
District Carryover (estimate)	11,789	11,789	149,702	11,789	120,139	11,789	96,488	11,789	68,896
Long Term- Butte County **	15,800	-	149,702	1,065	119,074	1,577	94,912	20,591	48,305
Long Term- Western Hills Water District**	8,000	298	149,404	745	118,329	1,103	93,809	28,383	19,922
Long Term- Mojave Water Agency**	25,000	-	149,404	-	118,329	4,046	89,764	6,743	13,179
Long Term- Palmdale Water District **	8,000	-	149,404	-	118,329	-	89,764	-	13,179
Kern Water Bank - estimate to date (c)	-	-	149,404	-	118,329	-	89,764	-	13,179
Kern Water Bank - estimated through end of year	52,385	17,913	131,491	16,401	101,928	11,486	78,277	-	13,179
Pioneer Project - estimate to date (c)	-	-	131,491	-	101,928	-	78,277	-	13,179
Pioneer Project - estimated through end of year	10,000	-	131,491	-	101,928	-	78,277	-	13,179
District & BRID Wells - actual	-	-	131,491	-	101,928	-	78,277	-	13,179
District & BRID Wells - estimated through EOY	10,000	10,000	121,491	10,000	91,928	10,000	68,277	10,000	3,179
Supplemental 1 Water Capacity	140,974								
DISTRICT ALLOCATION (b)		59,709	29.73%	89,272	44.45%	112,923	56.23%	178,021	88.65%
		0.84	AF/Alloc Ac	1.26	AF/Alloc Ac	1.59	AF/Alloc Ac	2.51	AF/Alloc Ac
Supplemental Supplies - Water User									
Water User - Carryover from 2023 (estimate)	8,041	8,041	113,450	8,041	83,887	8,041	60,236	8,041	(4,862)
Kern Water Bank Second Priority - estimate to date (Recharge)/Recover	-	-	113,450	-	83,887	-	60,236	-	(4,862)
Kern Water Bank Second Priority - estimated through EOY	-	-	113,450	-	83,887	-	60,236	-	(4,862)
User Input - actual	-	-	113,450	-	83,887	-	60,236	-	(4,862)
User Input - estimated through EOY	-	-	113,450	-	83,887	-	60,236	-	(4,862)
Landowner Transfer	-	-	113,450	-	83,887	-	60,236	-	(4,862)
Available Supply		67,750		97,313		120,964		186,062	
Estimated Demand		181,200		181,200		181,200		181,200	
Shortage (Excess)		113,450		83,887		60,236		(4,862)	

** WS5 Deal

(b) Based upon estimated average deliveries. Lyndal Water not yet calculated.

(c) Based on KCWA daily Summary of Water Supply Rights

WATER IN STORAGE @ 12-Feb-24	
LOCATION	AF
Kern Water Bank	
District	216,599
Water User 2nd Priority	27,318
KWB Tot	243,917
KCWA	42,556
In-District	23,487
SemiTropic	7,500
TOTAL KERN FAN	317,460
PRELIMINARY	
SUBJECT TO REVISION	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: February 5, 2024

SUBJECT: 2024 User Input Program – Declaration of Water Shortage

Relative to the District’s User Input Program, Rule 8.d. of the Wheeler Ridge-Maricopa Water Storage District Rules and Regulations for Distribution of Water (Water Shortages – Conveyance of Ground Water) states, in part:

“8.d. Conveyance of Groundwater (or User Input Program): In any year the District declares a water shortage exists, District facilities may be used to convey ground water for use upon land within the District for agricultural purposes so long as the lands to be served are within the common ownership or Farming Operation of the land from which the water is pumped, provided the affected parties enter into an Agreement in a form provided by the District which shall include but not be limited to the following provisions: ...”

Recommendation: District Staff recommends that, due to the December 1, 2023, DWR announcement of a 10% 2024 SWP Table A Allocation, the Board declare a water shortage exists and authorize the conveyance of groundwater utilizing the District’s system, all in accordance with Rule 8.d. of the District’s Rules and Regulations, subject to the District’s recovery operations on behalf of all Water Users, which may supersede individual User Input operations.

Attachments: None

Filename: 8.2.a Declaration of Water Shortage

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors
 FROM: Eric McDaris, Jim Smith
 DATE: February 9, 2024
 SUBJECT: WS5 Water Transfer Agreement -Exchange Contractors

Central California Irrigation District, San Luis Canal Company, Firebaugh Canal Water District, and Columbia Canal Company (“Exchange Contactors”) have proposed making up to 7,000 acre-feet available per year, to the Westside Districts for transfer in 2024-2025.

The total supply available under the agreement is contingent on the 2024 CVP South of Delta allocation being a non-critical year. The Westside would be required to take any volumes available under this program up to 7,000 AF, but unlike some of the District’s other water transfer agreements, this agreement does not obligate the Exchange Contractors to make a minimum volume available for transfer; a trend that is becoming more prevalent in all water transfer discussions. The table below outlines the pricing scale as it relates to the CVP SOD allocation. These prices differ only slightly from those of the Palmdale and Mojave long-term water transfer agreements in similar allocation years.

CVP SOD Allocation	2024 \$/AF	2025 \$/AF	CVP SOD Allocation	2024 \$/AF	2025 \$/AF
0%	\$645	\$670	55%	\$376	\$390
5%	\$645	\$670	60%	\$318	\$329
10%	\$616	\$640	65%	\$271	\$281
15%	\$587	\$609	70%	\$247	\$256
20%	\$553	\$575	75%	\$230	\$238
25%	\$533	\$553	80%	\$212	\$220
30%	\$514	\$533	85%	\$183	\$189
35%	\$493	\$512	90%	\$154	\$159
40%	\$464	\$482	95%	\$136	\$141
45%	\$464	\$482	100%	\$119	\$122
50%	\$400	\$415			

Both the Exchange Contractors and Westside Water Authority have already approved and executed the attached agreement.

Recommendation. Staff recommends the Board authorize the Engineer-Manager to execute the attached 2024-2025 Water Transfer Agreement between the Westside Districts and the Exchange Contractors, subject to review by counsel as to form and final approval of the Engineer-Manager.

Attachments: WS5- Exchange Contractors Water Transfer Agreement
 Filename: 8.2.c WS5 Water Transfer Agreement -Exchange Contractors

WATER TRANSFER AGREEMENT

This Water Transfer Agreement ("Agreement") is made and entered into between the San Joaquin River Exchange Contractors Water Authority, a California Joint Powers Authority formed and existing under the laws of the State of California on behalf of its members Central California Irrigation District, San Luis Canal Company, Firebaugh Canal Water District, and Columbia Canal Company ("Exchange Contractors"), and Westside Water Authority, a California Joint Powers Authority formed and existing under the laws of the State of California on behalf of its members Belridge Water Storage District, Berrenda Mesa Water District, Lost Hills Water District and Dudley Ridge Water District, together by Memorandum of Understanding with Wheeler Ridge-Maricopa Water Storage District (collectively, "Westside Districts").

RECITALS

1.0 Together with the United States Bureau of Reclamation ("Reclamation") the Exchange Contractors prepared the Final Environmental Impact Statement/Environmental Impact Report Dated March 1, 2013, with the Record of Decision being adopted July 30, 2013, analyzing the environmental effects of the transfer of water for refuge use, irrigation and certain specified M&I uses within a defined geographic region for the Water Transfer Program for the San Joaquin River Exchange Contractors Water Authority 2014-2038 ("Long Term EIR/ EIS").

2.0 The boundaries of the Westside Districts are located within the geographic region approved for conserved water transfers pursuant to the Long Term EIR/EIS.

3.0 Westside Districts seek transfer water for use for agricultural purposes within the boundaries of the Westside Districts for calendar years 2024 and 2025.

4.0 Exchange Contractors possess water available for transfer in accordance with the Long Term EIR/ EIS and the terms and conditions of this Agreement.

IN WITNESS of the foregoing Recitals and in accordance with the following terms and conditions, the parties agree as follows:

5.0 Term. This Agreement shall be effective on the date last signed by the parties below and shall terminate on December 31, 2025 (each calendar year a "Year"), or upon any earlier termination provided hereunder.

6.0 Water to Be Transferred. Subject to the terms of this Agreement, Exchange Contractors shall make available for transfer to and purchase by the Westside Districts in non-Critical years (as described in Article 6 of the Second Amended Contract for Exchange of Waters), a maximum of seven thousand (7,000) acre feet of water per year, and the Westside Districts shall purchase all water made available to it for transfer ("Transfer Water").

//

6.1. Critical Years. The Exchange Contractors shall not be obligated to provide to the Westside Districts any quantity of Transfer Water during any Year in which Reclamation fails, for any reason, to be ready, willing, and able to deliver to the Exchange Contractors 840,000 Acre Feet of Substitute Supply, or when any other provision of this Agreement provides for the interruption or termination of the delivery of Transfer Water.

6.2. Re-transfer by Westside Districts. All Transfer Water delivered to the Westside Districts is solely for use within their respective service area boundaries and the Central Valley Project/ State Water Project Consolidated Place of Use. The Westside Districts shall not transfer or deliver Transfer Water outside of their respective service area boundaries, nor sell Transfer Water to any entity at a price exceeding the Transfer Price set forth herein without the Exchange Contractors written consent.

6.3. Allocation Between Westside Districts. The responsibility for the allocation of Transfer Water between the Westside Districts rests wholly on them. When Exchange Contractors have delivered Transfer Water to the Point of Delivery, Exchange Contractors shall have no further legal interest therein, and no obligation to distribute said water between or among the Westside Districts.

7.0 Notice of Water Availability. Exchange Contractors shall notify the Westside Districts of the quantity of Transfer Water to be made available in any Year by not later than February 15 of the Year in which the Transfer will occur. If, for any reason, Reclamation delays its allocation of Substitute Water pursuant to Article 7 of the Exchange Contract, the notification of water availability shall be made within 15 days of said announcement.

7.1. Delivery of Transfer Water. Transfer Water shall be delivered between March 1 and December 31 of each Year.

8.0 Price of Transfer Water. Westside Districts shall pay the Exchange Contractors for all Transfer Water as set forth in this article 8:

8.1 The price for Transfer Water shall be at the rates set forth in Appendix A, attached hereto and incorporated herein, based upon the June CVP SoD Contract allocation for “Ag” announced by Reclamation.

8.2. Reclamation Administrative Costs. The Exchange Contractors shall pay directly to Reclamation the administrative costs incurred by Reclamation to process the transfer applications contemplated by this Agreement. The Exchange Contractors shall make such payment of administrative costs at the time the transfer application is submitted to Reclamation. The Westside Districts shall have no obligation to pay such administrative costs.

9.0 Invoices and Payment. The Exchange Contractors shall submit appropriate invoices to the Westside Districts subsequent to the last day of each month in which Transfer Water has been delivered to the Westside Districts by the Exchange Contractors. Payment for all

Transfer Water delivered during such month shall be paid within 45 days upon receipt of the Exchange Contractors invoice.

10.0 Reclamation Approval. The Westside Districts recognize that the transfer contemplated in this Agreement is subject to written approval by Reclamation. If Reclamation denies approval of the transfer, neither party shall be liable to the other and this Agreement shall become null and void.

If Reclamation imposes conditions on the transfer not contemplated by this Agreement, the Westside Districts shall have 30 days after receipt of notice of such conditions to consider whether the conditions are acceptable. If the Westside Districts find the conditions unacceptable, the Westside Districts may terminate this Agreement without incurring any further obligation to the Exchange Contractors. If the Westside Districts do not exercise their option to terminate this Agreement within thirty (30) days of notice of conditions of approval, this Agreement shall remain in full force and effect.

11.0 Point of Delivery. The Point of Delivery is O'Neill Forebay or San Luis Reservoir.

11.1. The Exchange Contractors shall deliver Transfer Water to either Point of Delivery, as directed by the Westside Districts, and shall pay any associated charges to the San Luis Delta Mendota Water Authority.

11.2. The Westside Districts shall be responsible to provide and pay for all arrangements for the conveyance and conveyance pumping required to deliver and/or wheel Transfer Water past the Point of Delivery.

11.3. The Exchange Contractors shall not be responsible for the control, carriage, handling, use, disposal, or distribution of Transfer Water past the Point of Delivery, but shall be responsible for the control, carriage, handling, use, disposal, or distribution of Transfer Water up to the Point of Delivery. The Westside Districts shall be solely responsible for all claims, demands, or actions arising from its actions to convey and deliver Transfer Water from and past the Point of Delivery.

11.4. To the extent such efforts do not result in additional costs or burdens to the Exchange Contractors, are consistent with the Long Term EIR/ EIS and other provisions of this Agreement and are necessary to accomplish the purposes of this Agreement, the Exchange Contractors shall cooperate with third party exchange partners designated by the Westside Districts to facilitate the delivery of Transfer Water.

12.0 Water Quality. The Exchange Contractors are not responsible for the quality of Transfer Water transferred and the Exchange Contractors do not warrant its quality.

13.0 Water Rights Not Transferred. Nothing in this Agreement is intended to nor shall confer any appropriate, public trust or other right to water on any person or entity. The only rights granted to the parties as a result of this Agreement are those expressly set forth herein.

14.0 Permits and Approvals for the Westside Districts' Receipt and Use of Transfer Water. The Westside Districts shall be responsible, at their respective sole expense, to request, receive, and maintain all required permits and authorizations which may be necessary to receive and utilize Transfer Water, including compliance as lead agency, if required, with all procedures under the California Environmental Quality Act (CEQA). Without limiting the generality of the foregoing, the Westside Districts shall be responsible for obtaining any approvals necessary to facilitate the purposes of this Agreement from: (i) Kern County Water Agency, and (ii) California Department of Water Resources.

15.0 General Indemnity. Each party hereto agrees to defend, indemnify and hold harmless the other party, its officers, directors, employees and consultants from and against any and all losses, claims, liens, demands and causes of action arising directly or indirectly out of the performance or non-performance of the indemnifying party in connection with the subject matter set forth herein.

16.0 Westside Districts Obligations are Joint and Several. The liability of each of the Westside Districts to pay for Transfer Water and perform all other obligations hereunder shall be deemed joint and several. All notices, payments, and agreements given or made by, with or to any one of such districts, in accordance with the Notice provisions set forth in this Agreement, shall be deemed to have been given or made by, with or to all of them.

17.0 Governing Law. This Agreement shall be interpreted and enforced pursuant to the laws of the State of California.

18.0 Modifications. This Agreement may be modified only by a written instrument executed by both parties.

19.0 Entire Agreement. This Agreement contains the entire understanding between the parties relating to their interests, obligations and rights connected with the subject matters set forth herein. All prior communications, negotiations, stipulations or understandings, whether oral or in writing, are superseded by this Agreement.

20.0 Waiver. The waiver or failure to declare a breach as a result of a violation of any terms of this Agreement shall not constitute a waiver of that term or condition and shall not provide the basis for a claim of estoppel, forgiveness or waiver by any party of that term or condition.

21.0 Notices. Any and all communications or notices in connection with this agreement, including invoices and payments, will be hand-delivered or sent by United States First Class Mail postage prepaid as follows:

TO EXCHANGE CONTRACTORS: Chris White, Executive Director
San Joaquin River Exchange Contractors Water Authority
Post Office Box 2115
Los Banos, California 93635

TO WESTSIDE DISTRICTS: Jamie Marquez
Westside Water Authority
5555 California Avenue, Suite 209
Bakersfield, California 93309

Notices provided by mail shall be deemed received five (5) days after deposit in the mail.

IN WITNESS WHEREOF, the parties have executed this Water Transfer Agreement as of the day and year stated below.


DATED: February 2, 2024

SAN JOAQUIN RIVER EXCHANGE
CONTRACTORS WATER AUTHORITY

By: 
Executive Director


DATED:

BELRIDGE WATER STORAGE
DISTRICT

By: 
Mark Gilkey, General Manager


DATED:

BERRENDA MESA WATER DISTRICT

By: 
Mark Gilkey, General Manager


DATED:

LOST HILLS WATER DISTRICT

By: 
Mark Gilkey, General Manager

DUDLEY RIDGE WATER DISTRICT

DATED:

By: 
Mark Gilkey, General Manager

WHEELER RIDGE- MARICOPA WATER
STORAGE DISTRICT

DATED:

By: _____
Sheridan Nicholas, Engineer- Manager

Exhibit A

CVP SOD AG Allocation	Esc - 4%	
	2024	2025
0%	\$ 645	\$ 670
5%	\$ 645	\$ 670
10%	\$ 616	\$ 640
15%	\$ 587	\$ 609
20%	\$ 553	\$ 575
25%	\$ 533	\$ 553
30%	\$ 514	\$ 533
35%	\$ 493	\$ 512
40%	\$ 464	\$ 482
45%	\$ 464	\$ 482
50%	\$ 400	\$ 415
55%	\$ 376	\$ 390
60%	\$ 318	\$ 329
65%	\$ 271	\$ 281
70%	\$ 247	\$ 256
75%	\$ 230	\$ 238
80%	\$ 212	\$ 220
85%	\$ 183	\$ 189
90%	\$ 154	\$ 159
95%	\$ 136	\$ 141
100%	\$ 119	\$ 122

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: February 12, 2024

SUBJECT: 2024 Recovery Options

Based on DWR's most recent *Allocation Analysis for 2024*, the State Water Project allocation will only reach an estimated 51% under the most favorable conditions. It is likely that some level of recovery will be required to supplement the SWP allocation in almost all allocation scenarios.

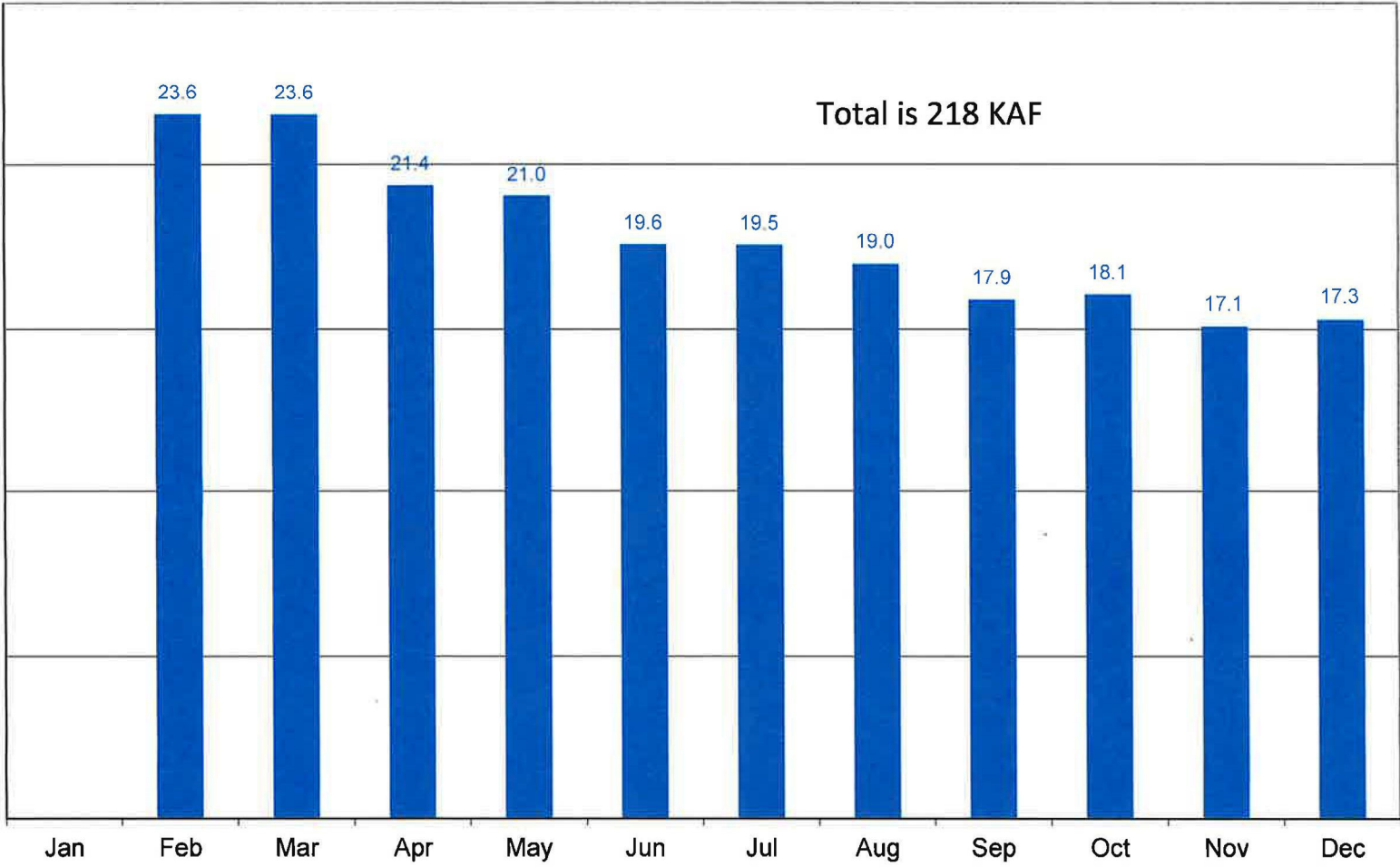
Per the attached *Projected Average Monthly Recovery 2024*, Kern Water Bank staff estimate the total recoverable volume for 2024 is approximately 218,000 acre-feet, of which, the District share is approximately 52,000 acre-feet. Recovery rates vary, but generally the District averages approximately 6,000 acre-feet per month from the KWB project, requiring roughly 8.5 months to reach our estimated maximum withdrawal share, or a start date of approximately April 1st. As the District's rationing policy limits recovery during water shortages, it is unlikely we will target the full 52,000 acre-feet, eliminating the need to begin recovery operations immediately.

Delaying the start of recovery will provide an opportunity for the Board and staff to consider how the SWP allocation responds to developing hydrology, and allow for the acquisition of supplemental supplies that may be available as this year's water supply develops; both of which will help inform the decision of a final recovery target. In the interim, capacity for Second Priority participants to recover from Sub-Accounts would be available during any time the District is not utilizing their first priority. Water users who wish to recover from their Sub-Accounts can request to do so utilizing the attached request form.

Recommendation. In anticipation of an insufficient 2024 State Water Project allocation and the need to supplement the District supply, staff recommends the Board direct recovery operations for 2024 to commence no sooner than April 1st, with the final recovery target to be adjusted at a subsequent meeting of the Board, contingent on the SWP allocation and hydrology at that time.

Attachments: Projected Average Monthly Recovery 2024
Filename: 8.2.d 2024 Recovery Options

Projected Average Monthly Recovery 2024 (KAF)



◀ WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT ▶

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas

DATE: February 11, 2024

SUBJECT: Approval of Amendment No. 3 to Solar Service Agreement (SSA) with with Tadashi Solar, LLC (Wheeler #2)

On February 19, 2021 and June 11, 2021, the District entered into Solar Services Agreements with AFTW Holdings, LLC (SSA #1 - project generally called Wheeler #1) and Tadashi Solar, LLC (SSA #2 - project generally called Wheeler #2), respectively, utilizing the Local Government Renewable Energy Self-Generation Bill Credit Transfer program (RES-BCT) program from PG&E. In March 2022, the District executed Amendment No. 1 to SSA #1, reflecting the increased estimated solar production of that project.

In February 2023, the District executed Amendments No. 2 to SSA#1 and No. 1 to SSA#2 reflecting specific revenue dollar amounts and timing of payments in the SSA's regarding the solar Investment Tax Credit rate increasing from 26% to 30%.

In July 2023, the District approved Amendment No. 2 to SSA#2 which included updated estimated annual energy production and guaranteed energy production numbers aligned with final project design. For the Five-Year-True-Up payment structure, it included a Schedule 10 that specifies annual energy production from the Wheeler #1 project in accordance with the final Wheeler #1 site design.

As such, White Pine Renewables is requesting an Amendment #3 to SSA#2 that addresses seven items, five of which are "clean up" provisions to typographical mistakes in the SSA and/or other items reflecting the actual project as it currently stands. Two items, however are significant to the project.

One updates the termination value schedule to increase the termination values in Years 1 through 5 relative to the existing SSA. This is mainly due to increased capital expenditure costs of the project due to inflation and other factors. In return, White Pine has agreed to offer to accelerate the Investment Tax Credit increase payment of \$460,000 to occur within 30 days of executing this amendment. Under the current contract, that payment is not due until commercial operation, which is expected in late 2024. In addition, White Pine has agreed to lower the termination values in seventeen of the twenty years between Year 6 and Year 25. the attached spreadsheet shows a comparison of the current vs. updated termination values).

Please find attached the proposed *Amendment No. 3 to Solar Services Agreement with Tadashi Solar, LLC*. In my opinion I see no reason why the District would consider terminating the SSA with Tadashi Solar anytime within the first five years of the project.

Recommendation: It is recommended that the Board authorize the Engineer-Manager to execute *Amendment No. 3 to Solar Services Agreement with Tadashi Solar, LLC*, subject to final approval of the Engineer-Manager and District counsel.

C:\Users\druth\Downloads\WRM_Memo_2024_Solar_Services_Agreement_Amendment_3.wpd

Contract Year	Proposed Amended Termination Values	Current PPA Termination Values	Difference (increase or decrease) b/w Updated and Current
1	\$23,011,274	\$18,042,282	\$4,968,992
2	\$21,009,558	\$16,901,553	\$4,108,005
3	\$18,014,255	\$15,633,156	\$2,381,099
4	\$16,021,646	\$14,355,693	\$1,665,953
5	\$13,751,484	\$13,005,363	\$746,121
6	\$12,001,452	\$12,049,201	(\$47,749)
7	\$11,516,230	\$11,777,542	(\$261,312)
8	\$11,004,580	\$11,480,139	(\$475,559)
9	\$10,511,797	\$11,155,251	(\$643,454)
10	\$10,016,013	\$10,801,025	(\$785,012)
11	\$9,751,408	\$10,415,485	(\$664,077)
12	\$9,252,701	\$9,996,529	(\$743,828)
13	\$9,004,420	\$9,541,914	(\$537,494)
14	\$8,511,247	\$9,049,255	(\$538,008)
15	\$8,007,487	\$8,516,007	(\$508,520)
16	\$7,506,367	\$7,939,461	(\$433,094)
17	\$7,002,982	\$7,316,731	(\$313,749)
18	\$6,504,821	\$6,644,739	(\$139,918)
19	\$5,751,088	\$5,920,209	(\$169,121)
20	\$5,003,873	\$5,139,648	(\$135,775)
21	\$4,501,545	\$4,299,334	\$202,211
22	\$3,751,252	\$3,395,301	\$355,951
23	\$3,004,242	\$2,423,321	\$580,921
24	\$2,008,454	\$2,180,989	(\$172,535)
25	\$1,014,587	\$1,962,890	(\$948,303)

AMENDMENT NO. 3 TO SOLAR SERVICES AGREEMENT

THIS AMENDMENT NO. 3 TO SOLAR SERVICES AGREEMENT (this “**Third Amendment**”) is made, dated and effective as of _____, 2024 (the “**Effective Date**”), by and between **Wheeler Ridge-Maricopa Water Storage District**, a California Water Storage District duly formed and existing pursuant to the California Water Storage District Law (Cal. Water Code § 39000 *et seq.*) (“**Purchaser**”) and **Tadashi Solar, LLC**, a Delaware limited liability company (“**Power Provider**”). Power Provider and Purchaser are sometimes referred to herein, collectively, as “**Parties**” and individually as a “**Party**.”

A. Purchaser and Power Provider are parties to that certain Solar Services Agreement dated as of June 11, 2021, as amended by that certain Amendment No. 1 to Solar Services Agreement dated February 16, 2023 and that certain Amendment No. 2 to Solar Services Agreement dated September 20, 2023 (the “**Agreement**”), pursuant to which Power Provider shall design, construct, own, operate, maintain and repair the solar power generation system described in the Agreement (the “**System**”), and pursuant to which Purchaser shall purchase from Power Provider, and Power Provider shall sell to Purchaser, all of the electric energy, measured in kWh, generated by the System; and

B. Purchaser and Power Provider desire to further amend the Agreement as more particularly set forth below. All of the capitalized terms used in this Amendment, unless otherwise defined herein, shall have the same meaning as assigned to such terms in the Agreement.

NOW, THEREFORE, in consideration of the mutual covenants of the Parties hereto, and for other good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the Parties hereby agree as follows:

1. **Definition of Interconnection Agreement.** The definition of “Interconnection Agreement” in Section 1 of the Agreement is hereby amended by replacing the term “Power Provider” with “Purchaser”.

2. **Section 1.** Section 1 of the Agreement is hereby amended to add the following definition:

“Contract Year” means each year during the Contract Term, beginning on the Commercial Operation Date.

3. **Section 2.** Section 2 of the Agreement is hereby deleted in its entirety and replaced with the following:

2. Property; Configuration and Installation of the Solar Power Facility

(a) The Parties acknowledge that the Property is or will be leased by Power Provider, and is a parcel of real property within the boundaries of the Purchaser.

(b) Power Provider shall, subject to and in accordance with the provisions of this Agreement, at Power Provider’s sole cost and expense, configure, construct,

install and operate the Solar Power Facility.

(c) Purchaser shall work in good faith with Power Provider, at Power Provider's sole cost and expense, to establish a Generating Account and request utility service at the Point of Delivery. Purchaser shall maintain such Generating Account during the Term.

(d) Prior to the Commercial Operation Date, Purchaser and Power Provider shall work in good faith to identify and provide notice to the Utility of all 'benefiting accounts' as defined and required under the Tariff.

4. **Section 9(b).** Section 9(b) of the Agreement is hereby amended, with all revisions reflected as follows in redline format (pursuant to which all deleted text is indicated textually in the same manner as the following example: ~~red-stricken-text~~, and all added text is indicated textually in the same manner as the following example: blue and double underlined text):

“(b) To the extent Power Provider receives any revenue from the Environmental Incentives, Environmental Attributes, or Reporting Rights, Power Provider agrees to deliver to Purchaser, as a credit on the next monthly invoice provided to Purchaser following Power Provider's receipt of such funds, fifty percent (50%) of the revenue derived from the Environmental Incentives (other than revenue derived from the ITC) and the new rate pursuant to this Section 9(b)), the Environmental Attributes and the Reporting Rights, less any reasonable administrative costs incurred by Power Provider to acquire and manage the foregoing. Within ~~ten (10)~~ thirty (30) days following the ~~Commercial Operation Date~~ Effective Date of this Third Amendment, the Provider agrees to pay to Purchaser four hundred sixty thousand dollars and no/100 (\$460,000) as a one-time payment resulting from an increase in the ITC from 26% to 30%.”

5. **Section 16(a).** Section 16(a) is hereby amended to add a new subsection “(ix)” as follows:

“(ix) with respect to Purchaser, the Interconnection Agreement is terminated, except to the extent such termination is due to Power Provider's breach of this Agreement.”

6. **Schedule 2.** Schedule 2 of the Agreement is hereby deleted in its entirety and replaced with the updated Schedule 2 attached to this Third Amendment.

7. **Schedule 3.** The Parties acknowledge and agree that Table 1.A of Schedule 3 of the Agreement will be updated prior to COD based upon final project design, with figures equal to 65% of the updated estimated production amounts set forth in Schedule 1 of the Agreement.

8. **Ratification of Agreement.** Except as expressly modified by this Third Amendment, the Agreement shall remain unchanged and in full force and effect. The terms, covenants and conditions of the Agreement as modified by this Third Amendment are hereby ratified and confirmed.

9. **Representations and Warranties.** Each party hereto hereby represents and warrants to each other party that: (a) it has the full right, power and authority to enter into this

Third Amendment and to perform its obligations hereunder and under the Agreement (as amended by this Third Amendment); (b) the execution and delivery of this Third Amendment by such Party has been duly authorized by all necessary action on the part of such Party; and (c) this Third Amendment has been executed and delivered by such Party and (assuming due authorization, execution and delivery by such other Party hereto) constitutes the legal, valid and binding obligation of such Party, enforceable against such Party in accordance with its terms, except as may be limited by any applicable bankruptcy, insolvency, reorganization, moratorium, or similar laws and equitable principles related to or affecting creditors' rights generally or the effort of general principles of equity.

10. **Counterparts.** This Third Amendment may be executed in any number of identical counterparts, any or all of which may contain the signatures of less than all of the Parties, and all of which shall be construed together as a single instrument.

11. **Conflicts.** If any of the terms, covenants or conditions of this Third Amendment conflict with the terms, covenants or conditions of the Agreement, the terms, covenants and conditions of this Third Amendment shall control.

[REMAINDER OF PAGE INTENTIONALLY BLANK]

IN WITNESS WHEREOF, the parties hereto have caused this Third Amendment to be executed as of the day and year first above written.

PURCHASER:

Wheeler Ridge-Maricopa Water Storage District

By _____

Name: _____

Title: _____

POWER PROVIDER:

Tadashi Solar, LLC

By _____

Name: _____

Title: _____

Schedule 2

SSA Termination Value

Contract Year	Termination Value
1	\$23,011,274
2	\$21,009,558
3	\$18,014,255
4	\$16,021,646
5	\$13,751,484
6	\$12,001,452
7	\$11,516,230
8	\$11,004,580
9	\$10,511,797
10	\$10,016,013
11	\$9,751,408
12	\$9,252,701
13	\$9,004,420
14	\$8,511,247
15	\$8,007,487
16	\$7,506,367
17	\$7,002,982
18	\$6,504,821
19	\$5,751,088
20	\$5,003,873
21	\$4,501,545
22	\$3,751,252
23	\$3,004,242
24	\$2,008,454
25	\$1,014,587

BEFORE THE BOARD OF DIRECTORS
WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

RESOLUTION NO. 2024-XX

IN THE MATTER OF:

**COMMENDATION AND
EXPRESSION OF APPRECIATION TO
MICHAEL ANTHONY PILATTI**

WHEREAS, Wheeler Ridge-Maricopa Water Storage District was formed in 1959, and has delivered 8,512,908 acre-feet of irrigation water (through December 31, 2023) to its farming customers since 1970 via its 16 California Aqueduct turnouts, 137 booster pumps, 297 miles of pipelines, 7 miles of canal, 18 groundwater wells and over 700 water meters that serve about 90,000 acres of farmland;

WHEREAS, Mr. Pilatti graduated from South High School in Bakersfield, California, and after a short period at the Wheeler Ridge-Maricopa Water Storage District as a System Operator, left the District for “greener pastures”, and after working in the oil and gas industry for a number of employers, Mr. Pilatti saw the error in his ways and returned to the District as a Lead Mechanic on January 3, 2005;

WHEREAS, Mr. Pilatti demonstrated the physical fortitude, mental capacity, learning capability, work ethic and creativity necessary to steadily progress in his skills and accomplishments with the District and assumed the position of Pumpman on July 3, 2005, and Electrical/Pump Technician on August 3, 2007, a position he has dutifully served;

WHEREAS, 35 percent of the District’s water deliveries to its customers (over 3.03 million acre-feet) were made during Mr. Pilatti’s service to the District;

WHEREAS, Mr. Pilatti took pride in his work, was quick to accept responsibility, was willing to share his knowledge with others, and his labor, expertise, advice and performance resulted in substantial benefits to the District’s customers in cost-effective water distribution system maintenance and reliability;

WHEREAS, the District has relied on Mr. Pilatti’s expertise and creativity to solve problems with and improve performance of numerous District facilities particularly in the areas of SCADA communication;

WHEREAS, Mr. Pilatti, as a Pump/Electrical Department employee, was instrumental in the timely scheduling, installation and completion of the \$3.4 million District’s Booster Pump Replacement Project wherein over one hundred pumps were replaced without disruption to water deliveries to Water Users; this Project was critical to maintaining reliable water service as the District’s 45 year

old pumping equipment was finally wearing out when the reserve of spare parts was severely depleted, and because the installation of the pumps were done by Mr. Pilatti and other Pump/Electrical staff, this portion of the project did not increase costs to landowners or Water Users;

WHEREAS, Mr. Pilatti drafted and submitted a ten-year plan for improving the overall structure of the Pump/Electrical Department;

WHEREAS, Mr. Pilatti was instrumental in training of Pump/Electrical Technicians in operating and troubleshooting the District's SCADA communication systems, and was the go-to technician for SCADA issues as he assumed the responsibility of maintaining the District's ageing SCADA system;

WHEREAS, Mr. Pilatti handled the majority of vendor transactions and maintained excellent relationships with outside contractors, representing the District in an excellent manner;

WHEREAS, through good fortune, good practices, or a combination of both, no District staff were killed or severely injured as a result of working on or in the vicinity of the District's electrical equipment, which reflects favorably on Mr. Pilatti's safety practices and his workplace examples for District staff;

WHEREAS, Mr. Pilatti was essential in the implementation of the District's Safety Program, acting as the District Safety Coordinator for a number of years, and trained many District employees on a number of subjects including - crane safety, fall protection, lockout/tagout, and many others;

WHEREAS, Mr. Pilatti instituted a culture of safety in the District as he conducted monthly and tailgate safety meetings, and provided the mandatory safety orientation to all new employees;

WHEREAS, Mr. Pilatti continually participating in educational courses and certifications, in both technical, safety and other areas, and acquired the JPIA Profession Development Program recognition for completing all require courses in Human Resources, Supervisor Basics, and Operations;

WHEREAS, Mr. Pilatti maintained good relations with JPIA staff and ensured the District remained in compliance in all required safety areas;

WHEREAS, the District is well-regarded in the local water community for the condition of its water distribution system in no small part due to the contributions of Mr. Pilatti, and he has successfully discharged his responsibilities with skill, honesty, integrity, and fairness;

WHEREAS, the delivery of water to farmers to grow food and fiber for the citizens of the state, nation, and world is noble and praiseworthy work, and Mr. Pilatti has cared deeply about this work

and has performed it with loyalty, dedication, and excellence to the benefit of the District, its employees, and its customers; and

WHEREAS, Mr. Pilatti retired from the District on December 18, 2023, after having served the District and its farming customers for 20 years.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors, on behalf of itself, the employees, customers, and landowners of the District, does hereby express to Michael Anthony Pilatti its thanks and appreciation for his many years of outstanding service which will be greatly missed upon his retirement; and

BE IT FURTHER RESOLVED that the Board of Directors extends its sincere best wishes to Mr. Pilatti for an enjoyable retirement.

ALL OF THE FOREGOING being on motion of Director _____, seconded by Director _____, and adopted by the following vote, to wit:

AYES:

NOES:

ABSENT:

ABSTAINING: None

I HEREBY CERTIFY that the foregoing resolution is the resolution of said District as duly adopted by said Board of Directors on the 13th day of February, 2024.

WITNESS my hand and the seal of the Board of Directors this 13th day of February, 2024

Jose Marin
Secretary of the Board of Directors

◀ WHEELER RIDGE - MARICOPA WATER STORAGE DISTRICT ▶

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas & Greg Loveless

DATE: February 12, 2024

SUBJECT: Approval of Contract for SCADA Services for District System

In April 2023, the Board of Directors approved a contract with Avadine to provide SCADA services in the 5 system at a cost of \$210,000, as a precursor and trial for an entire District SCADA project. As noted in the attached April 10, 2023 memorandum to the Board entitled *Approval of Contract for SCADA Services for 5 System* - "It is anticipated that if/when the 5 System project proves satisfactory staff will bring the remaining portion to the Board for authorization."

The completed 5 System project has fulfilled the expectations and requirements of staff. In fact, some of the features the new Avadine SCADA system provides are above and beyond what was originally anticipated.

In 2023, the District spent \$239,400, a cost overrun of \$5,135 over the 2023 budget amount of \$234, 265. Anticipated costs for 2024 are \$884,100, which is \$18,100 over the 2024 budget amount of \$866,000. The total two year cost of the project will be \$1,123,500, compared to the original project estimate of \$1,095,000.

Recommendation: It is recommended the Board authorize the Engineer-Manager to enter into another contract with Avadine, substantially similar to the 5 System contract, to provide SCADA services for the entire District 5 system at a cost of \$884,100, subject to final approval of the Engineer-Manager and District Counsel.

C:\Users\druth\Downloads\WRM_Memo_2024_SCADA_Contract_District_System.wpd

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: February 9, 2024

SUBJECT: Establishing the 2024 Groundwater Service Charge (GWSC) Rate

In recognition of the longstanding financial inequity between District water users, the District passed Resolution 23-07, adopting a Groundwater Service Charge to be imposed on the use of groundwater within the District.

Rule 6.b of the District Rules and Regulations for the Distribution of Water provides as follows:

“The Groundwater Service Charge will be collected on each acre-foot of groundwater consumptively used on each parcel in the District, with the exception of de minimis domestic use (defined as annual extraction by any person of less than two acre-feet for domestic purposes). The District will calculate the consumptive use of groundwater on each parcel subject to the GWSC by first using evapotranspiration data to determine total crop consumptive use on the parcel and then deducting 90% of the gross surface water supplies delivered by the District and verified imported supplies claimed by the user. The Board may approve alternative methods of measurement (water measurement devices, electricity consumption, etc.) in its discretion.”

Rule 7.a of the District Rules and Regulations for the Distribution of Water provides in part as follows:

“The Groundwater Service Charge shall be set by the Board (up to the maximum amount approved in a majority protest proceeding under Article XIID, section 6 of the California Constitution) at any time and by the same procedures as the rates for the Water Service Charges under the Water Service Contracts...”

The table below outlines the maximum GWSC rates for 2024-2028; beginning January 1, 2024, the GWSC shall not exceed \$248.53 per acre-foot. The Board has expressed the intent to keep the GWSC rate comparable to the Water Service Charges when appropriate, but like the District Water Service Charges, the GWSC can be revised by the Board at any time to better reflect hydrologic conditions and State Water Project costs.

Effective Date	1/1/2024	1/1/2025	1/1/2026	1/1/2027	1/1/2028
Max GWSC (\$/AF)	\$248.53	\$261.84	\$274.26	\$287.23	\$299.36

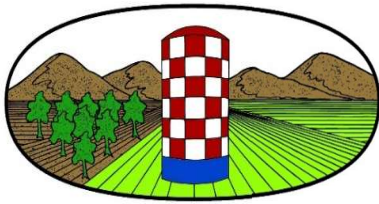
Staff anticipates billing water users for groundwater use over eight installments, with the first installment covering groundwater use for the months of January through March, installments 2-7 covering usage in April through September respectively, and installment 8 covering usage in October through December. Because staff do not receive ET data until around 30-days after the usage month, water users should expect an estimated 45-60-day lag between the end of the billing month, and the generation of an invoice.

Agenda Item 8.6

Water users who wish to utilize their existing meters in-lieu of utilizing remote sensing to calculate groundwater pumping can submit an application to the District utilizing the attached *Application To Use A Meter In Lieu Of Remote Sensing To Calculate Groundwater Service Charges*.

Recommendation. Staff recommends that, pursuant to Resolution 23-07 and in accordance with the District Rules and Regulations for the Distribution of Water, the Board set the 2024 Groundwater Service Charge rate at \$205.00 per acre-foot of pumped groundwater, subject to future adjustment as approved by the Board, and set the time for paying the charge at 30 days after the date of each invoice.

Attachments: *Application To Use A Meter In Lieu Of Remote Sensing To Calculate Groundwater Service Charges*
Filename: 8.6 Establishing the 2024 Groundwater Service Charge (GWSC) Rate



WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

12109 Highway 166 Bakersfield, CA 93313

◆ Telephone: 661.858.2281 ◆ Fax: 661.858.2643

APPLICATION TO USE A METER IN LIEU OF REMOTE SENSING TO CALCULATE GROUNDWATER SERVICE CHARGES

General Conditions

- Use a separate form for each well meter.
- Many meters require a straight run of pipe 10 pipe diameters upstream and 5 pipe diameters downstream of the meter for good accuracy.
- A consultant designated by the District will verify the accuracy of the meter. The meter must be capable of at least 98% accuracy in the field.
- The meter owner will continue to be responsible for the repair, testing, and calibration of the meter and for fees associated with meter testing and verification.
- This application is for an interim program and acceptance of this form does not constitute an agreement that the District will continue to accept the well meter after final well metering standards are in place.

Owner Information	Well Information
Name:	APN:
Address:	Latitude & Longitude:
City/State/Zip:	Township, Range, and Section:
Phone:	Owner's Common Name for Well:
Email:	State Name for Well:

Information About the Lands Served by the Well

Approx. Acres Served by the Well:

List all APNs served by the well:

(Optional) Provide a further description of the lands:

Meter Information	
Make/Model	Type
Diameter	Serial No.
<p>Please provide the following:</p> <ol style="list-style-type: none"> 1. At least one photograph (not a close up) showing the meter, the well, and the appurtenant plumbing. 2. Copies of any factory calibration reports or field certification reports. 	

Landowner Certification	
<ul style="list-style-type: none"> • I grant the District and its employees access to the property described above for the purposes of reading, inspecting, and testing the meter. • I wish to use the meter listed above for the purpose of calculating groundwater extraction on the lands shown in this form. • I acknowledge that acceptance of the meter does not relieve me of the obligation to account for my true groundwater extraction. • I understand the District will endeavor to use best available methods to determine groundwater extraction and that true extraction amount may be ultimately be determined by meter, by remote sensing, by another method, or by a combination of methods. • I herby certify that I have reviewed the above conditions, that I am the owner, or authorized representative of the owner, of the lands served with water by the subject well meter, and that all the information I have furnished is true and correct to the best of my knowledge. 	
_____ Printed Name	_____ Title
_____ Signature	_____ Date

Consultant Use Only	
Comments on the suitability of the meter and/or field verification testing: _____ _____	
_____ Signature	_____ Date

District Use Only	
<input type="checkbox"/> Approved	<input type="checkbox"/> Denied
_____ Printed Name	_____ Date
_____ Signature	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: February 9, 2024

SUBJECT: Authorization to Support Produced Water Planning Grant Application

In June 2023, the Board authorized staff to advance a grant application with Valley Water Management Company (Valley Water), for grant funding to complete a feasibility study for a produced water treatment and reuse project. Subsequent to these meetings, Valley Water engaged consultants Kennedy-Jinks (K-J) to assist with the grant application submittal and development of the study.

In coordination with K-J and Valley Water, the District has submitted initial documents related to the Water Recycling Funding Program Planning Grant Application using the SWRCB's online Financial Assistance Application Submittal (FAAST) tool. The District is seeking \$150,000, the maximum amount available under the Governors proposed 2024 budget.

To continue the application process, the Board must adopt the attached draft resolution. Submission of these items does not obligate the District to enter into any subsequent agreement with Valley Water beyond the scope of the Feasibility Study. Following the submittal of the resolution, staff will continue to work with Valley Water and K-J to develop the Plan of Study and other items required for a complete application package.

Recommendation. It is recommended that the Board adopt the attached draft Resolution, appointing the District's Director of Water Resources Eric McDaris as the "Authorized Representative" and further authorize staff to submit a completed Financial Assistance Application for a grant agreement with the State Water Resources Control Board for the planning, design, and construction of the Wheeler Ridge- Maricopa Water Storage District (WRMWSD) and Valley Water Management Company (Valley Water) Produced Water Reuse Project, subject to review by counsel and final approval of the Engineer-Manager.

Attachments: Draft Resolution 24-XX
Letter, Valley Water June 08 2023

Filename: 8.7 Authorization to Support Produced Water Planning Grant Application

**THE BOARD OF DIRECTORS OF
WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT**

IN THE MATTER OF:

RESOLUTION NO. 2024-XX

WATER RECYCLING FUNDING PROGRAM – PLANNING GRANT APPLICATION

WHEREAS, the State Water Board Water Recycling Funding Program (WRFP) provides grants to assist public agencies with facilities planning studies to determine the feasibility of using recycled water; and,

WHEREAS, the District’s Board of Directors wishes to submit an application to fund a Feasibility Study to treat oilfield produced water, and to deliver the treated water into the District service area; and,

WHEREAS, the District’s Board of Directors must identify a representative by Board Resolution as the District’s “Authorized Representative” who will have the authority to sign and submit the WRFP application materials, certify compliance with applicable state and federal laws, execute the financial assistance agreement and amendments, and certify disbursement requests.

NOW, THEREFORE, BE IT RESOLVED BY THIS BOARD OF DIRECTORS OF THIS DISTRICT AS FOLLOWS:

1. The Director of Water Resources (the “Authorized Representative”) or designee is hereby authorized and directed to sign and file, for and on behalf of the District, a Financial Assistance Application for a grant agreement from the State Water Resources Control Board for the planning, design, and construction of the *Wheeler Ridge–Maricopa Water Storage District and Valley Water Management Company Produced Water Reuse Project* (the “Project”).
2. This Authorized Representative, or his/her designee, is designated to provide the assurances, certifications, and commitments required for the financial assistance application, including executing a financial assistance agreement from the State Water Resources Control Board and any amendments or changes thereto.
3. The Authorized Representative, or his/her designee, is designated to represent the District in carrying out the District’s responsibilities under the grant agreement, including certifying disbursement requests on behalf of the District and compliance with applicable state and federal laws.

ALL THE FOREGOING, BEING ON THE MOTION of Director _____, seconded by Director _____, and authorized and carried unanimously by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

I HEREBY CERTIFY that the foregoing is a true copy of the Resolution of the Board of Directors of WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT as duly passed and adopted by said Board of Directors on 15 February 2024.

WITNESS my hand and seal of said Board of Directors this 15th day of February 2024.

[SEAL)

Secretary of the Board of Directors



7500 MEANY AVENUE
BAKERSFIELD, CALIFORNIA 93308
Office: (661) 410-7500
Fax: (661) 410-7506

June 8, 2023

Mr. Sheridan Nicholas

General Manager
Wheeler Ridge-Maricopa Water Storage District
12109 Highway 166
Bakersfield, California 93313

Subject: Valley Water Management Company and Wheeler Ridge-Maricopa Water Storage District – Grant Opportunity for Produced Water Treatment and Reuse Project

Dear Mr. Nicholas:

We appreciate you meeting with our technical team on 12 May 2023 regarding the opportunity for Valley Water Management Company and Wheeler Ridge-Maricopa Water Storage District to jointly apply for a grant through the State Water Resources Control Board that would provide funding for a produced water treatment and reuse project in the Maricopa Area. The initial grant funding would provide for a feasibility study to assess produced water treatment and options for conveying the treated produced water to Wheeler Ridge-Maricopa Water Storage District's existing distribution system. Additional grant funding is also available for construction of a full-scale treatment plant that would produce up to 1,150-acre feet or more of high-quality water that would be conveyed to Wheeler Ridge-Maricopa Water Storage District's distribution system. If feasible, Valley Water and Wheeler Ridge-Maricopa Water Storage District may wish to partner with additional water districts as well to maximize the amount of funding available for the proposed project.

We appreciate your consideration of this partnership and, subject to your Board's approval, passage of a resolution of support that would accompany the grant application. We look forward to working with you in the future on this mutually beneficial project.

Respectfully Submitted,

A handwritten signature in black ink that reads "Jason Meadors".

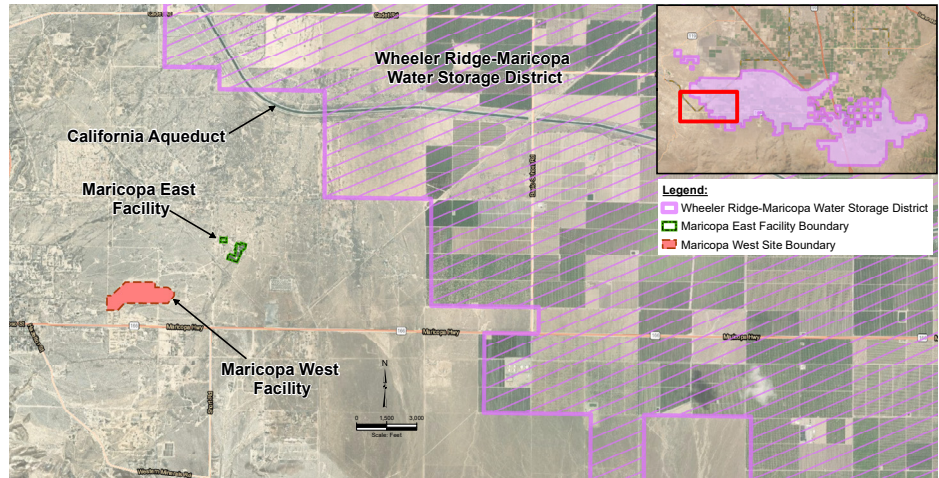
Jason Meadors, P.E.
General Manager

Enclosure: *Valley Water Management Company Produced Water Treatment and Reuse Project Summary Sheet*

Valley Water Management Company (Valley Water) is a 501(c)(4) nonprofit organization committed to safely and economically managing oilfield produced water in Kern County. Valley Water has 12 facilities located throughout Kern County’s oilfields, including the Maricopa East and West Facilities in the Midway Sunset Oil Field near the Wheeler Ridge-Maricopa Water Storage District (WRMWSO).

Valley Water’s facilities are used to treat and reuse produced water. Given California’s current drought and water supply shortages, efforts to treat and recycle produced water could be extremely valuable for irrigated agriculture and industrial facility uses.

Valley Water has engaged an advocacy group that works closely with the State Water Resources Control Board group that administers a funding program with available funds for produced water treatment and beneficial reuse projects. Funding can be awarded to Water Districts with interest in developing a recycled water source.



Valley Water is interested in pursuing a partnership with a Water District to secure grant funds to:

- a) Complete a feasibility study of produced water treatment;
- b) Conduct a pilot scale produced water treatment study;
- c) Ultimately construct a full scale produced water treatment facility; and
- d) Reuse the treated water as a supplemental water supply for agriculture and potentially groundwater recharge.

Valley Water would provide produced water and industry expertise on both treatment methods and regulations that govern reuse. The Water District would administer the grant and provide infrastructure to blend and deliver treated water to its customers.

Project Overview

Treated produced water provides a significant, reliable, and high quality water resource. For every barrel of oil extracted from an oil well, approximately 10-15 barrels (bbl) (420-630 gallons) of produced water are also extracted. Valley Water has an annual produced water supply of approximately 2,016 million gallons (6,189 acre feet (AF)/yr). The amount of treated produced water that could be provided to the WRMWSO is approximately 1,150 AF/yr at its Maricopa East and West Facilities, with a potential to deliver significantly more water from Valley Water Members.

In 2021, Valley Water completed a Master Plan evaluating the most beneficial produced water management projects to implement at its facilities. Projects fell into three groups: a) evaporation/percolation in ponds, b) injection into Underground Injection Control (UIC) wells in depth zones with poor quality groundwater, and c) treatment and beneficial reuse of produced water to provide a high-quality water resource. Three treatment and reuse projects were ranked among the top seven projects evaluated for the Master Plan.

The Master Plan evaluated for the Midway Sunset Oil Field, near the WRMWSO, consisted of produced water treatment to agricultural water quality standards for blending with other irrigation water supplies. The project analysis was for 80,000 bbl/day (3,764 AF/yr) produced water treatment consisting of initial oil removal, two stages of reverse osmosis treatment to remove salts and boron, mechanical brine evaporation, and a pipeline to District lands or conveyances.

There are regulatory drivers for reuse of produced water including growing support for water recycling from the Central Valley Water Board and California Geologic Energy Management Division (CalGEM), primarily to decrease the dependence of oil producers on disposal using percolation ponds and UIC injection wells. California’s water supply shortages make efforts to treat and recycle produced water more feasible.

Water Quality Parameter	Acceptable Range of Water Quality for Area Water Districts
TDS	± 500 mg/L
EC	± 650 µmho/cm
NO ₃ as N	<10 mg/L
Boron	<1.0 mg/L
Chloride	± 250 – 500 mg/L
Sodium	± 160 mg/L
Arsenic	<10 µg/L
Oil & Grease	<5 mg/L

Grant Application Process

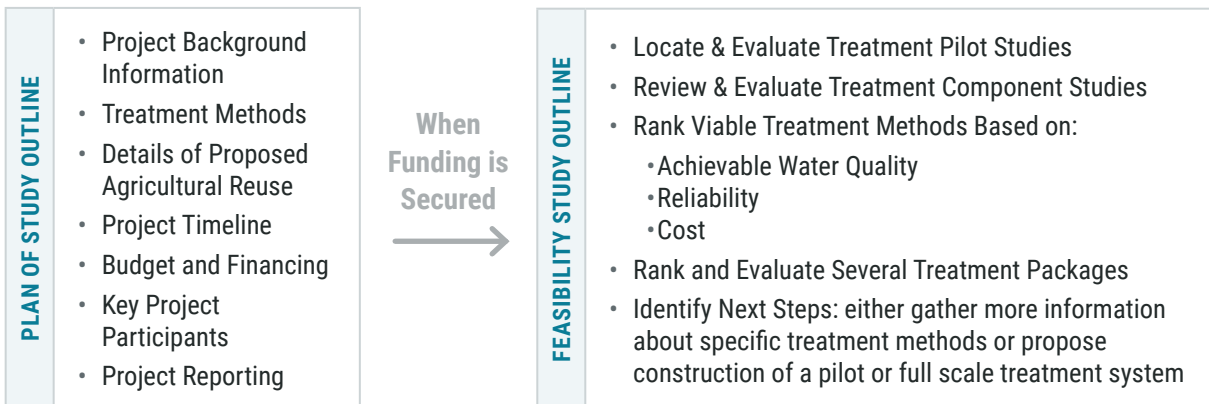
Participation of the WRMWSO is needed to sponsor the grant, provide knowledge of water and water quality needs for its customers and the communities served, and provide infrastructure to blend and distribute treated produced water to its customers. Valley Water would support WRMWSO with preparation of the grant application, plan the produced water treatment feasibility study, and execute the study.

The benefits to WRMWSO would include:

- Secure a high quality, reliable, and year-round water supply for irrigation and potentially groundwater recharge.
- Meet Sustainable Groundwater Management Act goals by integrating a new water supply to reduce groundwater use, and support sustainable basin management by adding a water resource for banking/recharge.
- Implement beneficial reuse of treated produced water that would otherwise be unused.

There are regulatory drivers for reuse of produced water including growing support for water recycling from the Central Valley Water Board and CalGEM, primarily to decrease the dependence of oil producers on disposal using percolation ponds and UIC injection wells. California’s water supply shortages make efforts to treat and recycle produced water more feasible.

The grant application requirements are to prepare an initial application form along with a Plan of Study document. The box to the right summarizes the contents of the document. The funding agency will evaluate the project based on the information provided in the Plan of Study. Once the application is submitted and funding is secured, the Feasibility Study will commence. An outline of the Feasibility Study is shown below.



Next Steps

If WRMWSO is interested in partnering with Valley Water on this important effort, the next step is to discuss project objectives to benefit all participants and enter into an agreement with Valley Water to pursue funding. WRMWSO, Valley Water, and subcontractors will work together to specify a project to propose to the funding agency and submit an application and Plan of Study.

◀ WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT ▶

MEMORANDUM

TO: Board of Directors

FROM: Robert Kunde

DATE: February 12, 2024

SUBJECT: Sites Reservoir - Status of Federal and State Endangered Species Permits

Attached find the Sites memorandum of January 19, 2024 entitled “*Project’s Incidental Take Permit and Biological Opinions*”. The issuance of these permits is a “condition precedent” to execution of the Sites Project Benefits and Obligations Contract in 2025.

The state Construction Incidental Take Permit (ITP) schedule summary is as follows.

June 2023	Construction ITP application submitted to CDFW
Dec 2023	Construction ITP application deemed “complete” by CDFW
July 2024	Anticipated ITP permit issuance to Sites.

The state Operations Incidental Take Permit (ITP) schedule summary is as follows.

Oct 2023	Operations ITP application submitted to CDFW
Nov 2023	Operations ITP application deemed incomplete by CDFW
Jan to July 24	Continued work on ITP by Sites and CDFW
July 2024	Anticipated ITP permit issuance to Sites In time for water rights hearings, but there is concern regarding possible delays due to (a) the CVP/SWP CalSim 3 operational baseline modeling, and (b) the CDFW desire to issue the operational ITP for the State Water Project first.

The federal Construction Biological Opinion (BiOp) schedule summary is as follows.

Nov 2023	Bureau of Reclamation submitted the Sites Construction Biological Assessment (BA) to the US Fish and Wildlife Service. Other than acknowledging receipt, the USFWS has not responded.
July 2024	Anticipated Construction BiOp permit issuance to Sites. However, a Sites participant noted the feds have a “capacity issue” to deal with Sites.

The federal Operations Biological Opinion (BiOp) schedule summary is as follows.

Nov 2023	Reclamation also submitted the Sites Project Operations as a programmatic action in the 2023/2024 CVP/SWP Reconsultation BA. No concerns or feedback were received.
July 2024	Anticipated issuance of the 2023/2024 CVP/SWP Reconsultation BiOp including the Sites Project programmatic components.
April 2025	Anticipated Operations BiOp permit issuance to Sites. However, a Sites participant noted the feds have a “capacity issue” to deal with Sites.

(filename C:\Users\rkund\Documents_WRM\BdPkt\B_D_Sites_Permit_Status_02.12.2024.mem.wpd)
Attachment



Meeting: **Reservoir Committee & Authority Board**
Agenda Item 3.1

January 19, 2024

Subject: **Project's Incidental Take Permits and Biological Opinions**

Requested Action:

Receive an update on the State Incidental Take Permit applications and Federal Biological Assessments / Biological Opinions.

Detailed Description/Background:

Receiving the Project's State Operations Incidental Take Permits and Federal Biological Opinions are high priority Work Plan actions in Amendment 3 and conditions precedent to Participants execution of the Benefits and Obligations Contract, among other things. This staff report provides an update on these critical permitting activities.

State ITP Applications

The Authority submitted an Incidental Take Permit (ITP) application in June 2023 for the construction of the Project to the California Department of Fish and Wildlife (CDFW). On July 27, 2023, CDFW identified the application incomplete and requested additional information. The Authority worked with Department staff to better understand and address the request for additional information. On November 29, 2023, the Authority submitted supplemental information to its July application to address CDFW's information requests. On December 8, 2023, CDFW deemed the Authority's Construction ITP application complete.

The Authority team and CDFW have and will continue to hold regularly scheduled meetings to discuss the Construction ITP application and address questions and concerns as CDFW develops the Project's Construction permit. To date, no substantial issues have been raised that vary from the approach the Authority has proposed in its application and supplemental materials. The schedule for issuance of the Construction ITP has been adjusted this month to reflect that Authority staff anticipate CDFW to issue both the Construction ITP and the Operations ITP in a similar timeframe. Thus, while the Construction ITP development is ahead of the Operations ITP efforts, Authority staff expect the issuance of the two permits in a similar timeframe.

The Authority submitted its Operations ITP application to CDFW on October 24, 2023. On November 22, 2023, CDFW identified the application incomplete and requested additional information. The Authority and CDFW have established bi-weekly technical team meetings and bi-weekly management team meetings to better understand and address the request for additional information. The Authority is working to provide information to CDFW just as quickly as possible and staff feel that CDFW's requests to date are reasonable and in good faith. Staff do note that the Project's ITP requires

extensive, detailed technical policy and legal analysis due to the size of the Project and its connection with not only the SWP and CVP, but also to operations of existing facilities along the Sacramento River. Previously, staff identified the possible need to amend the Project's Operations ITP application to include modeling using the new 2023/2024 CVP/SWP reconsultation operations as the baseline (which also requires CalSim 3 modeling as this baseline is only represented in CalSim 3). Based on discussions with CDFW, this amendment will be necessary. The status of the CalSim 3 work is described in Agenda Item 3-2 in today's materials.

The schedule for issuance of the Operations ITP has been adjusted this month based on discussions with CDFW staff to reflect issuance in mid-July. While this is later than hoped, this is a timeframe that does not push the water right schedule out, and continues to be aggressive in staff's opinion given the complexity of the ITP and the need to amend with CalSim 3 modeling.

Biological Assessments / Biological Opinions

As a reminder, the Authority is consulting under Section 7 of the Federal Endangered Species Act for both construction and operations and the Bureau of Reclamation (Reclamation) is the federal lead agency for consultation. The Board will recall that a two-step approach to receiving the operations permit is reflected in the Project Schedule. Reclamation submitted the Project's Construction Biological Assessment (BA) to the USFWS on November 16, 2023. At this time, Reclamation staff has confirmed that the technical and management staff at USFWS received the document but have not heard further. Reclamation also submitted the Sites Project as a programmatic action in the 2023/2024 CVP/SWP Reconsultation BA on November 9, 2023 (Step 1). Authority staff has not heard any concerns or feedback yet on the Sites Project's programmatic components in that document. Authority staff anticipate that additional quantitative analysis may be needed using the new 2023/2024 CVP/SWP Reconsultation Proposed Action as the baseline for the Sites programmatic analysis and continue to work to develop this in anticipation of the request.

The schedule for issuance of the Construction BiOp and the Sites Project programmatic components in the 2023/2024 CVP/SWP Reconsultation BiOp have been adjusted this month to reflect issuance in mid-July and reflect that the Authority staff anticipate USFWS to issue both BiOps in a similar timeframe. The schedule for the Sites project level components (Step 2) is expected within 9 months of the 2023/2024 CVP/SWP Reconsultation BiOp.

Prior Action:

June 2023: Received an update on the Federal Biological Assessment / Biological Opinion and State Operations Incidental Take Permit application.

September 2022: Received an update on the Federal Biological Assessment and State Incidental Take Permit applications.

July 2022: Authorized the Executive Director to (1) submit the Biological Assessment to Reclamation for consultation under the Federal Endangered Species Act covering construction and operations and (2) submit the Operations ITP application to CDFW and pay the associated application fee.

December 2021: Authorized the Executive Director to submit the California Endangered Species Act's Construction ITP Application to CDFW.

Fiscal Impact/Funding Source:

The Amendment 3 Work Plan includes sufficient budget to cover required resources and activities.

Staff Contact:

Ali Forsythe & John Spranza

Primary Service Provider:

ICF and HDR

Attachments:

None.

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: February 9, 2024

SUBJECT: Preliminary and Draft Groundwater Allocation Policy

The WRMGSA formed its Project and Management Action committee (P/MA committee) in 2023 to explore various project and management options available to the GSA, to include considering a groundwater allocation policy. Staff and the committee made it very clear that this policy was, and remains, in draft form and is not intended to be implemented in the near future. The GSA elected to begin developing a groundwater allocation policy for implementation in the event that the GSA needs to rapidly enact demand reduction actions. The process has been intentionally iterative, focusing on maximizing landowner engagement and feedback.

The P/MA committee met on October 12th, October 31st, and December 7th, 2023, as well as January 18th, 2024, to discuss a groundwater allocation policy. The first meetings were to review aspects of how other GSAs across the valley are addressing groundwater allocations and policies, and to determine if any concepts from those policies could be usefully applied in the WRMGSA. A draft groundwater allocation policy document, based largely on that of Westlands Water District/GSA, was circulated to landowners leading up to the December 7th meeting, with subsequent meetings focused on reviewing and modifying the policy to better suit the WRMGSA. Staff received written and in-person feedback from various stakeholders in attendance at the P/MA committee meetings, and those comments were integrated into the draft policy where appropriate.

Key points of the draft policy that were generally agreeable include all acres in the WRMGSA being eligible to receive a groundwater allocation; annually allocated groundwater credits can be pooled across farming units within the GSA; transfers are allowed to and from other users within the GSA; unused allocated groundwater will be carried over, and; landowners will be allowed to offset pumping of allocated groundwater by substituting credits generated from the recharge of eligible surface supplies, consistent with the District recharge policy.

Various sections within the policy are intentionally marked 'In Progress'. Some of these items are ministerial in nature and can be further developed as implementation gets closer, e.g. year-end procedures, etc. Other sections are pending additional information from staff or consultants, such as the sustainable yield data, which is pending the results of the Todd Groundwater basin study, and the subsidence section, which is pending additional information from E.K.I.

Points of contention have centered around possible deferred impacts of pumping groundwater allocation, carryover, and stored surface water. Staff have included three options that the P/MA committee has discussed in the attachments. Following the February Board meeting, the P/MA committee has directed staff to circulate the draft policy to all WRMGSA landowners by mail, soliciting comments and

Agenda Item 8.10.a

feedback. An additional P/MA committee meeting will be scheduled to review any comments received from landowners and to discuss any recommendations from the Board.

Recommendation. None. This memorandum is for discussion only.

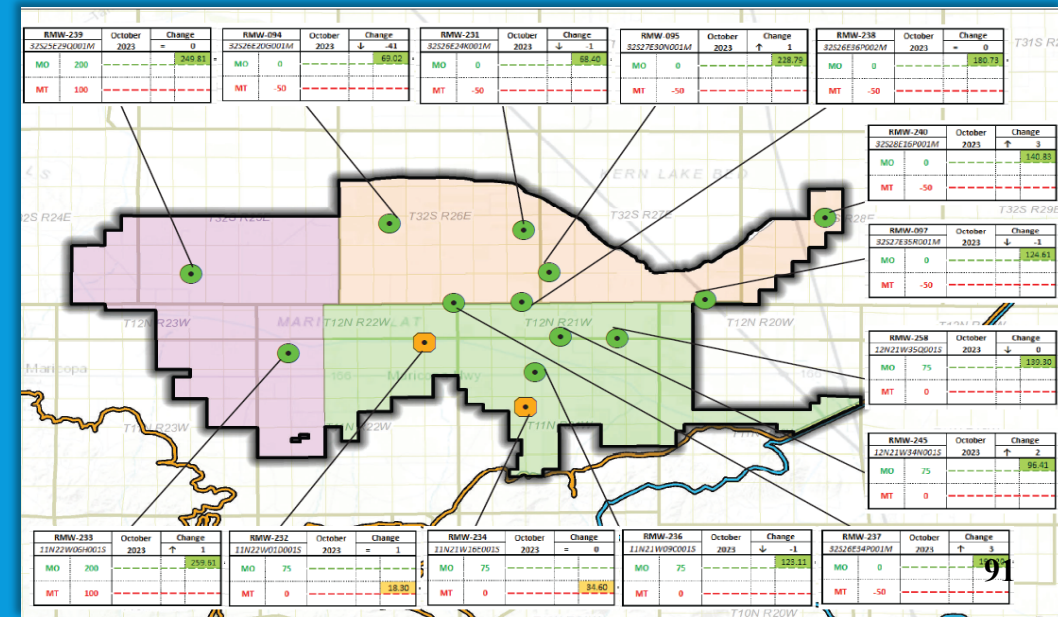
Attachments: GW Allocation Slide
Groundwater Allocation Policy – *Draft*
Filename: 8.10.a Preliminary and Draft Groundwater Allocation Policy

LOCALIZED CONCERNS: IMPACTS OF DEFERRED RECOVERY/PUMPING

- Maximum Allowable Pumping Limit.
 - Annual pumping would be limited to 200% of a Water User’s annually allocated groundwater volume.
 - *I.e.*, if a water user is allocated 50 AF in 2024, their Maximum Allowable Pumping would be 100 AF.
- Maximum Allowable Pumping – by Zone.
 - Maximum Allowable Pumping would vary by zone, as opposed to a single volumetric limit applied uniformly across the GSA.
 - Based on analysis, zones would be characterized by the amount of pumping areas of the GSA could sustainably support.

• Diminishing Carryover and Recharge Credits.

- No Maximum Allowable Pumping limit, or other volumetric limit, applied. Water users can pump up to their available groundwater balance
- Carryover and recharge would be subject to annual loss factor, reducing the available balance in those accounts over time.



I. PURPOSE

IN PROGRESS

These rules and regulations are established by the Board of Directors of the Wheeler Ridge – Maricopa Groundwater Sustainability Agency (“WRMGSA”) in order to provide for the sustainable management of groundwater within the WRMGSA.

In any instance where the policy of the Wheeler Ridge – Maricopa Water Storage District (“WRMWSD” or “District”), or its Rules and Regulations For The Distribution Of Water, and the WRMGSA policy conflict as it pertains to a Groundwater Allocation, the WRMGSA policy shall supersede and control.

II. GLOSSARY OF TERMS AND DEFINITIONS

- A. Groundwater Carryover – the amount of unused annual groundwater allocation that is carried forward and available for use in a future year.
- B. Contract Year - each 12-month period that begins on January 1 and ends on the last day of December 31.
- C. Delinquent Groundwater User - a Groundwater User who failed to pay any charges, assessments, land-based charges, or any other money owed to the WRMGSA by the due day.
- D. De Minimis User –a Groundwater User who extracts, for domestic purposes, two acre-feet or less per year.
- E. Groundwater Account - is a record or statement of the total amount of groundwater available to a Groundwater User pursuant to the Groundwater User’s allocation and adjusted for all authorized transactions (including applicable Losses), inclusive of Recharge Credits, transfer credits, Groundwater Carryover, in-lieu delivery of surface water, and groundwater pumped by the Groundwater User.
- F. Groundwater Allocation – the volume of groundwater allocated by the WRMGSA to a Groundwater User for the Contract Year. Groundwater

Allocations may also include, but are not limited to, Sustainable Yield, Transitional Water, and other water types allocated by the WRMGSA.

- G. Groundwater User – a landowner or lessee of land who utilizes groundwater.
- H. Losses – expressed as a percentage of the quantity of the water available or recharged, that is left stored within the Subbasin and not available to the Groundwater User for recovery.
- I. Negative Balance – the circumstance when a Groundwater User pumps more groundwater than available from groundwater allocation(s), recharge, transfer, and carried over.
- J. Recharge Credit – a credit available to the Groundwater User which is generated from the recharge of eligible Surface Water within WRMGSA.
- K. Subsidence Prone Areas – areas that have experienced subsidence or have been identified by the WRMGSA as high risk for subsidence to occur.
- L. Sustainable Yield – consistent with Water Code section 10721(w), the maximum quantity of water, calculated over a base period representative of long-term conditions in the basin and including any temporary surplus, that can be withdrawn annually from a groundwater supply without causing an undesirable result.

III. SUSTAINABLE YIELD OF THE KERN SUBBASIN/ WRMGSA

IN PROGRESS

Subject to the results of the ongoing Todd Groundwater Basin Study.

IV. GROUNDWATER ALLOCATION

- A. *Table PMA-4* from the SOKR GSP [GSP pg. 291] outlines a draft demand reduction implementation schedule, or “Glide Path”, which identifies annual reduction milestones. This Glide Path, along with the results of the pending Kern Subbasin native yield study, may be used to determine the annual groundwater allocations.

Table PMA-4. General Project and Management Actions Implementation Schedule ("Glide Path")

Wheeler Ridge-Maricopa Management Area

		P/MA Implementation Schedule				
Total WRMGSA Acres	91,430	By 2025	By 2030	By 2035	By 2040	By 2070
Projected Deficit (1) (AFY)		21,400				33,300
Target Deficit Reduction (%)		15%	45%	75%	100%	100%
Target Deficit Reduction (AFY)		3,200	9,600	16,100	21,400	33,300
Target Deficit Reduction (AF/Ac)		0.0350	0.1050	0.1761	0.2341	0.3642
P/MA Benefits, by Type (AFY)						
Water Supply Augmentation	Wet Year Supplies	896	2,688	4,508	5,992	5,992
	Other New Supplies	1,024	3,072	5,452	6,848	12,798
Demand Reduction (AFY)		1,280	3,840	6,440	8,560	14,510
Demand Reduction (AF/Ac)		0.0140	0.0420	0.0704	0.0936	0.1587
Total P/MA Benefits		3,200	9,600	16,400	21,400	33,300

Abbreviations:
 AFY= acre-feet per year
 P/MA= Project and Management Actions
 AF/Ac= acre-feet per acre

- B. All lands within the WRMGSA will receive an allocation of groundwater based on gross acres (“tax acres”) as assessed by the Kern County Assessor. Allocations will be made annually in the Contract Year.
1. Groundwater allocations may be pooled across lands under common ownership, or lands which have entered into common agreement in a form provided by the WRMGSA.
 2. A Groundwater User may extract any/or all of its Groundwater Allocation at any eligible extraction location, subject to those restrictions set forth in Section VI.
 - a. If a Groundwater User pumps in excess of its Groundwater Allocation, the Groundwater User may be subject to fees, penalties or charges, as established by the WRMGSA.
- C. The WRMGSA makes no representations as to the availability, quantity, condition, or quality of groundwater which may be available to the Groundwater User by issuance of an allocation. Further, no allocation made by the WRMGSA is a determination of water rights.

V. GROUNDWATER FLOW METER

- A. It is the intent of the WRMGSA to utilize well flow meters to calculate total annual groundwater extraction. As the WRMGSA is in the process of developing meter standards, remote sensing will be utilized for calculating groundwater use in the interim.
 - 1. Groundwater Users who wish to have their current well flow meter used in the calculation of total groundwater use in -lieu of remote sensing, may submit an application to the WRMGSA using the *Application To Use A Meter In Lieu Of Remote Sensing To Calculate Groundwater Service Charges* [Attachment 1].

VI. GROUNDWATER PUMPING LIMITATIONS

- A. In October of the prior year, Groundwater Users will be notified of their total available Groundwater Account balance and the maximum allowable pumping for the upcoming Contract Year.
- B. All pumping will be subject to applicable WRMGSA policies and Board direction. Pumping may be further restricted, beyond what is provided in this policy, as necessary so as to meet the sustainability goals of the GSP.
- C. Any Groundwater User Account which has a negative balance will not be eligible to pump groundwater. Groundwater User may resume pumping when the Groundwater Account has a positive balance, and all fees, penalties, or charges, if any, have been paid current.
- D. Consistent with Section VIII, the WRMGSA anticipates Groundwater Users will continue to implement projects to augment their Groundwater Account balances through recharge of eligible Surface Water for Recharge Credits. Therefore, it is foreseeable that some Groundwater Users will have higher quantities of groundwater available than what is allocated annually. All groundwater extraction will be limited to a maximum of 200% of the current Contract Year Groundwater Allocation, provided the Groundwater User has a sufficient Groundwater Account balance.

1. In calculating this volumetric extraction limitation, all ratably allocated Sustainable Yield, Carryover Credits, and Recharge Credits will be considered.
2. The maximum allowable pumping in any Contract Year will be twice the Groundwater Users annual Groundwater Allocation, calculated as shown below:

<u>Calculating Maximum Allowable Pumping: Water User 'A'</u>	
Existing Groundwater Account Balance: (including carryover, transfers, and recharge credits)	100 AF
Contract Year Groundwater Allocation:	68.8 AF
Total Groundwater Available: (Contract Year Groundwater + carryover, transfers, recharge credits)	168.8 AF
Maximum Allowable Pumping: (Contract Year Groundwater Allocation x 200%)	137.6 AF
Maximum Available Pumping:	137.6 AF
 <u>Calculating Maximum Allowable Pumping: Water User 'B'</u>	
Existing Groundwater Account Balance: (including carryover, transfers, and recharge credits)	25 AF
Contract Year Groundwater Allocation:	68.8 AF
Total Groundwater Available: (Contract Year Groundwater + carryover, transfers, recharge credits)	93.8 AF
Maximum Allowable Pumping: (Contract Year Groundwater Allocation x 200%)	137.6 AF
Maximum Available Pumping:	93.8 AF

3. This maximum allowable pumping may be adjusted by the WRMGSA as necessary to mitigate Undesirable Results or other impacts of deferred recovery.
- E. A Groundwater User **may not** pump future Groundwater Credits (i.e., a Groundwater User cannot ‘borrow’ against future Groundwater Allocations).

VII. USE, CARRYOVER, AND TRANSFER OF GROUNDWATER

- A. A Groundwater User that receives a Groundwater Allocation may use it on any eligible land within the WRMGSA.
- B. The priority of groundwater use (considered the first water pumped) shall be as follows:
 - 1. Carryover credits.
 - 2. Landowner developed recharge credits.
 - 3. Current Contract Year Groundwater Allocation.

Groundwater Users may request alternative priority of use by written notice to WRMGSA staff, subject to approval of the WRMGSA Board of Directors and/or final approval of the Engineer-Manager.

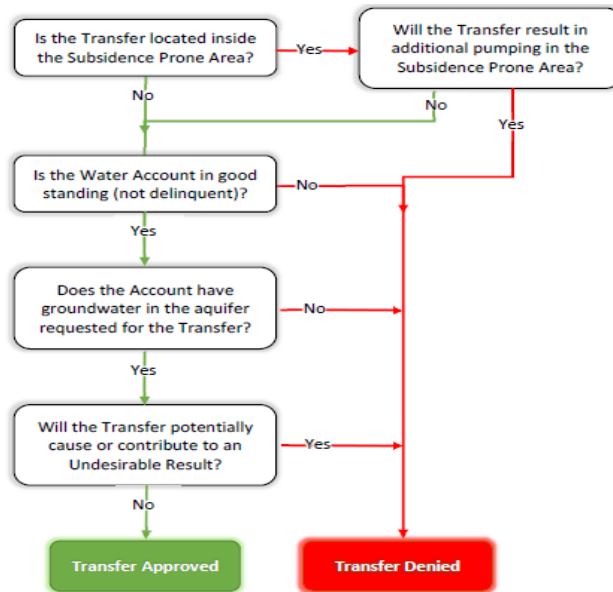
- C. Subject to the then available and ratably allocated Sustainable Yield, Groundwater Users may carryover unused Groundwater Allocation credits from one Contract Year to the next.
- D. Carryover credits may be earned when the Contract Year quantity of Groundwater Allocation in the Groundwater User’s account exceeds the amount of the actual volume pumped.
 - 1. *GW Allocation – calculated/measured GW Extraction – remaining Transitional Pumping Credits (if any) = Groundwater Carryover*
 - 2. The WRMGSA will make final determinations on the actual volumes pumped, as well as all available balances for carryover.
- E. Except as limited herein, a Groundwater User may- pump groundwater for use on eligible land in each Contract Year, carryover for future use, and/or transfer any unused portion of the Groundwater Allocation.
 - 1. Only the Groundwater User’s ratably allocated portion of the Sustainable Yield, Carryover, and Recharge Credits are eligible for transfer.
 - 2. If the total groundwater allocated to the Groundwater Account exceeds the amount pumped, then the unused Groundwater Allocation will remain on the Groundwater Account and be available to the Groundwater User in the

following year (Carryover). Carryover may be pumped or transferred in any subsequent Contract Year, subject to any WRMGSA restrictions.

3. If the total groundwater pumped exceeds the amount allocated, inclusive of Carryover, transfers, and Groundwater Credits, then the Groundwater Account will have a Negative Balance. A Groundwater User with a Negative Balance may not transfer any portion of its Allocation or future Allocation to a third party; provided that the Groundwater User with a Negative Balance may procure a Groundwater Allocation from a third party to balance its Groundwater Account and thereafter may continue to trade any portion of the groundwater in its Groundwater Account.
 4. A Groundwater User may transfer any portion of their Groundwater Allocation, including Carryover, to another Groundwater User for use in the current and a subsequent Contract Year, provided that the transfer of an aquifer specific allocation is expressly limited to the transferee Groundwater User pumping groundwater from the same aquifer for which the Allocation was approved.
- F. All requests to transfer a Groundwater Allocation, including Carryover and Groundwater Credits, must be submitted in writing and approved in advance by the Engineer- Manager. *Figure 1* details the general transfer approval process. Transfers shall generally be approved if the following conditions are satisfied:
1. The Groundwater User making the groundwater available for transfer has sufficient groundwater supplies in its Groundwater Account;
 2. The Groundwater User approved the transfer of groundwater from its Groundwater Account to another Groundwater User; and
 3. The transfer of groundwater would not violate any other provisions of this policy.
 4. The transfer of groundwater would not cause Undesirable Results.
- G. The WRMGSA Board of Directors may prohibit or impose additional limitations on the transfer of a Groundwater Allocation, including Carryover, Recharge Credits, and Groundwater Credits, into the Subsidence Prone Areas.

- H. The Engineer- Manager may impose reasonable conditions on a transfer if necessary to support the findings required under paragraph F above.
- I. The Engineer- Manager may not re-assign during the Contract Year unused groundwater from a Groundwater Account to another Groundwater Account based on a change in ownership or lease of land, except where the transferor, upon the transfer of land through a change in ownership or lease, would no longer owns or leases any land in the WRMGSA, the transferor may request that the unused Groundwater Allocation be assigned to the successor in interest. In that circumstance, the unused Groundwater Allocation shall be assigned to the successor in interest upon the successor’s completion of any and all necessary applications/documents with the WRMGSA and/or District to retain the groundwater available previously available to the transferor.

Figure 1 Groundwater Transfer Process



VIII. GROUNDWATER RECHARGE PROJECTS

- A. The WRMGSA anticipates that Groundwater Users will continue to implement projects to augment groundwater through recharge of eligible Surface Water and will request that the WRMGSA provide landowner developed Groundwater Credits to support or offset the Groundwater User’s future groundwater pumping.

1. All recharge projects will require WRMGSA approval.
 - a. The WRMGSA will approve/deny proposed landowner recharge projects in its full discretion. Proposed projects may be denied for various reasons, including but not limited to:
 - i. Groundwater quality considerations,
 - ii. Geologic considerations,
 - iii. Distribution system capacity limitations.
 2. Interim landowner developed groundwater recharge projects will be subject to the District’s *Policy for Landowner Groundwater Banking Projects* [Attachment 2], as approved by the Board of Directors January 11th, 2023, or its most recent version as amended and approved by the Board of Directors. In any case where the WRMWSD policy conflicts with that of the WRMGSA, the WRMGSA policy will supersede and control.
- B. Groundwater Users who wish to develop recharge projects within the GSA will be responsible for obtaining all permits and approvals necessary for such recharge projects. This may include, but is not limited to, approvals/permits from the State Water Resources Control Board, Department of Water Resources, and Kern County Water Agency, etc.
- C. All eligible Surface Water that is recharged will be subject to Losses as determined by the WRMGSA.

IX. SUBSIDENCE PRONE AREAS

IN PROGRESS

Subject to further study and development by WRMGSA staff and consultants.

X. USER INPUT

IN PROGRESS

XI. FEES, PENALTIES AND REMEDIES

- A. Groundwater extraction within the WRMGSA may be subject to groundwater extraction fees established by the WRMGSA Board of Directors as authorized by Water Code Section 10732.

XII. DOMESTIC USERS

- A. Domestic users that are De Minimis Users are exempt from the requirements of this policy. The WRMGSA, however, may reassess the De Minimis User requirements as necessary.

XIII. MUNICIPAL AND INDUSTRIAL USERS

- A. All wells that serve Municipal and Industrial (M&I) users will be subject to Section V. If the M&I User pumps more than two acre-feet a year, then the M&I user will not be a De Minimis User and will be subject to all other applicable requirements of this policy.

XIV. YEAR END PROCEDURES

IN PROGRESS

XV. VARIANCE PROCEDURES

IN PROGRESS

XVI. APPEAL

IN PROGRESS

XVII. MISCELLANEOUS

- A. The General Manager is authorized and directed to do any and all things necessary to implement and effectuate these rules and regulations.
- B. The Board of Directors shall consider any changes or revisions to these rules and regulations at a public meeting.

- C. The General Manager shall provide notice of any Board of Director’s approved changes or revision to these rules and regulations to all District landowners and Groundwater Users.
- D. These rules and regulations implement the GSP and are intended to avoid Undesirable Results within the WRMGSA. As such, the rules and regulations shall not be construed to authorize or direct action, of any kind, that would cause Undesirable Results.

◀ WHEELER RIDGE - MARICOPA WATER STORAGE DISTRICT ▶
◀ WHEELER RIDGE - MARICOPA GSA ▶

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas

DATE: February 11, 2024

SUBJECT: Approval of GEI Consultants Task Order for 2023 Cost Overrun

In 2020, the Kern Subbasin received a \$500,000 grant from the Department of Water Resources (DWR), and the Kern Groundwater Authority (KGA) contracted with GEI Consultants for the development of a Data Management System (DMS) as required by the Sustainable Groundwater Management Act (SGMA).

The DMS provides a basinwide centralized database software with web-based interactive capabilities that performs various tasks related to monitoring groundwater data. The DMS is owned by the Kern Subbasin agencies and is used for SGMA reporting including efficient transfer of necessary information to DWR's SGMA portal.

This DMS cost overrun is related to additional time necessary to correct historical Subbasin water transactions and related accounting of imported surface water supplies. In addition, a municipal data import tool was developed to export data from other publicly available sources to improve data quality and efficient water use reporting. The imported water templates and gathering of municipal data modules will assist the Kern Subbasin in future SGMA reporting responsibilities. Due to various factors, the DMS cost overrun was negotiated down by the Kern Subbasin from the GEI request of over \$143,000 to \$72,000.

The SOKR Executive Committee has recommended the home GSA boards approve the \$72,000 DMS cost overrun and it be allocated amongst the 22 basin parties (\$3,273 each). The other 22 parties are expected to address this DMS cost overrun in February. The GEI Task Order is attached.

Recommendation: It is recommended the Board approve the WRMGSA share (\$3,273) of the \$72,000 cost overrun and execute the necessary documents as needed.



Consulting
Engineers and
Scientists

February 1, 2024

Kristin Pittack
Kern Subbasin Plan Manager
via email: kpittack@rinconconsultants.com

**TASK ORDER FOR
KERN SUBBASIN DATA MANAGEMENT SYSTEM (DMS) 2023 BUDGET
OVERRUN**

Beginning in May 2021, GEI developed a Data Management System (DMS) specifically for the Kern Subbasin’s SGMA monitoring and reporting. The database was proposed to be implemented through grant funding provided by Department of Water Resources (DWR). Kern Groundwater Authority (KGA) held the DMS contract with GEI, which authorized a maximum budget of \$500,000 that would be reimbursed through DWRs grant funds.

As described in the December 4, 2023 Kern Subbasin DMS Budget Status letter, due to unforeseen complexity of the water transactions module, the labor effort to complete the module exceeded grant funds by \$143,955. While this budget overrun was clearly communicated with KGA’s project manager, other Subbasin GSAs were not informed. Consequently, the budget overrun was not addressed with all Subbasin GSAs until January 2024.

As discussed with the Subbasin GSAs and responsible entities, GEI is willing to accept a negotiated payment amount which is 50 percent of the budget overrun. Table 1 summarizes the total billed amount, payments received as of January 31, 2024, and the negotiated cost-share of the budget overrun. As shown in the enclosed statement, GEI’s write-off of \$71,977 has been processed. Upon receipt of the final grant reimbursement and retention payments from KGA (\$81,199), and the Subbasin balance is paid, Project 2101725 will be closed.

Table 1. Summary of Invoiced Amounts by Task

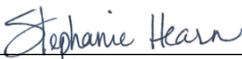
Project 2101725	Balance
Total \$ billed to KGA	643,954.82
Payments received to date	-418,800.42
KGA balance (DWR grant reimbursement)	81,199.58
Subbasin balance	71,977.50
GEI Write-off (January 2024)	71,977.32

It should also be noted that all work is complete, the final invoice was submitted to KGA on May 26, 2023. It is our understanding that KGA has submitted invoices up to \$500,000 to DWR, and upon receipt of payment, KGA will pay GEI the final reimbursement amount plus the 10% held for retention. We appreciate the Subbasin’s effort to work through and resolve the budget overrun.

AUTHORIZATION


Consistent with the terms defined in Kern Subbasin Cost Sharing Agreement for Revising Groundwater Sustainability Plans dated 12/15/23, this Task Order is authorized by the signatures below. This Task Order and enclosed statement provide the information necessary to submit payment for GEI Project 2101725. The negotiated payment amount is \$71,977.50.

Signed by:
GEI CONSULTANTS, INC.

By: 
Stephanie Hearn, Project Manager

Date: January 22, 2024

Signed by:
GEI CONSULTANTS, INC.

By: 
Mike Cornelius, Principal in Charge

Date: January 22, 2024

Authorized by:

By: _____
Arvin GSA [Derek Yurosek, Director
DYurosek@bolthouseproperties.com](mailto:DYurosek@bolthouseproperties.com)

By: _____
Buena Vista WSD GSA [Terry Chicca, Board President
TChicca@aol.com](mailto:TChicca@aol.com)

By: _____
Cawelo Water District [David Halopoff, Assistant General Manager
dhalopoff@cawelowd.org](mailto:dhalopoff@cawelowd.org)

By: _____
City of Bakersfield [Bob Smith, City Councilmember
bobsmith727@icloud.com](mailto:bobsmith727@icloud.com)

By: _____
Eastside Water Management Area [Chad Hathaway, President
chathaway@hathawayllc.com](mailto:chathaway@hathawayllc.com)

By: _____
Henry Miller GSA [Jeof Wyrick, President, Chairman
jwyrick@jgboswell.com](mailto:jwyrick@jgboswell.com)

By: _____
Improvement District No. 4 [Dave Beard, General Manager
dbeard@kcwa.com](mailto:dbeard@kcwa.com)

By: _____
Kern Delta Water District [Rodney Palla, Board Chair
rodney@rpfarms.com](mailto:rodney@rpfarms.com)

By: _____ Kern Water Bank Authority	Jonathan D. Parker, General Manager JParker@kwb.org
By: _____ Kern-Tulare Water District	Skye Grass, General Manager skye@kern-tulare.com
By: _____ Olcese GSA	James L. Nickel, President jlnickel@nflc.net
By: _____ North Kern Water Storage District	Kevin Andrew, Board President kandrew@illumag.com
By: _____ Pioneer GSA	Tom McCarthy, General Manager tmccarthy@kcwa.com
By: _____ Rosedale-Rio Bravo Water Storage District	Dan Bartel, Engineer-Manager dbartel@rrbwsd.com
By: _____ Semitropic Water Storage District	Dan Waterhouse, Board President dan@neuhousefarms.com
By: _____ Shafter-Wasco Irrigation District	Randy Bloemhof, Board Member randy@supremealmonds.com
By: _____ 7th Standard Annex	Randy Bloemhof, Board Member randy@supremealmonds.com
By: _____ Southern San Joaquin Municipal Utility District	Roland Gross, General Manager/Secretary roland@ssjmud.org
By: _____ Tejon-Castac Water District GSA	Angelica Martin, Board of Directors Secretary amartin@tejonranch.com
By: _____ West Kern Water District	Greg Hammett, General Manager ghammett@wkwd.org
By: _____ Westside Water Authority	Mark Gilkey, General Manager mgilkey@westsidewa.org

By:

_____ **Wheeler Ridge-Maricopa GSA**

Dennis Atkinson, President

dalaska2019@gmail.com

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
WHEELER RIDGE-MARICOPA GSA

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas

DATE: February 11, 2024

SUBJECT: Approval of Kern Subbasin Exceedance Policy

As part of the SGMA process, the Kern Subbasin entities have considered a policy for when a minimum threshold exceedance of chronic lowering of groundwater occurs. The District and the KGA had previously approved a draft plan, and an amendment to that plan entitled *KGA Action Plan Related to Exceedance of Minimum Thresholds for Chronic Lowering of Groundwater*.

With the revised set of GSP's that are currently be prepared for presentation to the State Water Resource Control Board, it was necessary for all Kern Subbasin entities to adopt new policy for when minimum thresholds are exceeded for lowering of groundwater levels.

The proposed policy outlines a two-step process to address the occurrence of minimum threshold exceedances:

1. Identify Exceedance and Investigate the RMW Area
2. Confer with Subbasin coordination committee

Recommendation: It is recommended that the WRMGSA Board approve the attached *Kern County Subbasin Minimum Thresholds for Chronic Lowering of Groundwater Exceedance Policy*.

Kern County Subbasin Minimum Thresholds for Chronic Lowering of Groundwater Exceedance Policy

INTRODUCTION

An exceedance policy is hereby developed to provide protocols and guidelines for groundwater sustainability agencies (GSAs) in the Kern County Subbasin (Subbasin) to investigate exceedance of minimum thresholds (MTs) at Representative Monitoring Wells (RMW) following the collection of RMW monitoring data. This policy is developed in conjunction with the Subbasin Well Mitigation Program which identifies mitigation strategies for vulnerable communities as detailed in the Groundwater Sustainability Plan(s).¹ The foundational elements of a successful exceedance policy are described below.

PURPOSE

While it is likely a single or isolated exceedance of a MT will not, by itself, cause an Undesirable Result², such an exceedance may be indicative of future or trending exceedances which could result in Subbasin-wide Undesirable Results for chronic lowering of groundwater.

Each Groundwater Sustainability Agency (GSA) within the Subbasin is responsible for monitoring groundwater conditions, complying with GSP requirements, and coordinating with other agencies and entities (cities, small systems, etc.) within their respective GSA boundaries. However, all GSAs must also work cooperatively to avoid Subbasin-wide Undesirable Results and maintain SGMA compliance. As part of this coordination, all GSAs within the Subbasin compile an annual report and submit that report to the Department of Water Resources (DWR) each year on April 1. Information that reflects compliance with or exceedance of MTs will be included in each annual report, if present. The exceedance policy below supplements the Subbasin's annual reporting efforts to further document actionable progress towards avoiding future MT exceedances.

POLICY

As prescribed in the Kern Subbasin Monitoring Network & Protocols, groundwater levels must be measured by GSAs at all RMWs for both Spring (January 15th to March 30th) and Fall (September 15th to November 15th) monitoring events, at a minimum (some GSAs take more frequent readings, however only these two events are utilized for the MT exceedance and Undesirable Results calculation). After each official Spring and Fall groundwater monitoring event, GSAs are required to report their results to the Subbasin data management system (DMS) to be aggregated and included in the Subbasin's annual report. When an individual well MT has been exceeded, a notification is sent to GSAs in the Subbasin through the DMS including the location and date of the MT exceedance.

Within 60 days of submittal of an MT exceedance to the Subbasin DMS, any GSA/management area with an MT exceedance at a RMW shall complete the following steps:

Step 1: Identification of Initial Exceedance and Investigation of the RMW Area

¹ The Subbasin Well Mitigation Program is described under [insert Appendix #] of the Kern County Subbasin Groundwater Sustainability Plan(s).

² Undesirable Results are defined in the Kern County Groundwater Sustainability Plan(s) as [insert definition and/or page reference].

- A. During the initial investigation after an MT exceedance, the GSA will gather information to evaluate whether the issue is associated with one RMW or is systemic to a larger geographic area. The investigation will evaluate various conditions surrounding the RMW that may be contributing to the MT exceedance which may include information in response to the following questions:
- Are water levels declining in nearby wells? If so, investigate the cause and identify how large of an area is affected.
 - Is the area close to any new well(s)?
 - Is the exceedance coincident with area-wide drought conditions?
 - i. Evaluate the exceedance in reference to the GSA water budget.
 - Are there other activities that could be affecting groundwater conditions in the area?
 - Are there existing projects in the area that are in the process of being implemented?
- B. During the investigation process, the GSA will assess whether the exceedance is caused by drought³, operations in an adjacent GSA, and/or activities not related to SGMA. If applicable, the GSA with the MT exceedance is encouraged to coordinate with neighboring GSA(s) to determine the cause of the exceedance and develop collaborative corrective actions.
- C. Individual GSAs will provide a copy of the exceedance report to the Subbasin coordination committee (coordination committee). Within 60 days of receipt, the coordination committee will review the exceedance report to determine if the MT exceedance is contributing to localized undesirable conditions due to SGMA-related activities.

Step 2: Confer with Subbasin coordination committee

The coordination committee may make recommendations to the GSA(s) to consider implementing projects, management actions, or other actions as applicable to prevent a continued exceedance in adherence to the Subbasin Well Mitigation Program.

³ "Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply if continued over the planning and implementation horizon. Overdraft during a period of drought is not sufficient to establish a chronic lowering of groundwater levels if extractions and groundwater recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods." (Source: Water Code Section 10721 (x)(1)).

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: February 12, 2024

SUBJECT: Discussion of WRMGSA Administration Charge

SGMA related expenses total \$1.9 million for the years 2017-2023. \$1.3 million of which is WRMGSA/SOKR related expenses, with an additional \$230,000 budgeted for 2024. To date, all SGMA related costs have been paid with revenue derived from the District's Administrative Service Charge (ASC) which is paid through the eight monthly installments for contract landowners, and collected via the Kern County Treasurer-Tax Collector for non-contract lands.

The ASC was last adjusted by Proposition 218 election in 2013; as SGMA was unforeseen at that time, related expenses were not included in the rate analysis, nor was the ASC ever intended to cover SGMA costs. The ASC is levied to recover the District's annual costs of basic administrative functions which are non-project in nature, and which are for the benefit of groundwater lands as well as the Surface Water Service Area. The maximum collection of the ASC is approximately \$1.6 million annually, with any overages (e.g. SGMA expenses) being borrowed against the District reserve accounts.

Establishing dedicated service charges restricted to GSA administration and plan development are authorized under SGMA statute. The process for establishing such a fund will require an application be filed with Kern County Auditor-Controller-Clerk, accompanied by a letter or resolution demonstrating the Board's knowledge and authorization of the charge. **Please note that the County requires all new fund applications be submitted no later than the first week of May 2024.** Once the application is processed and approved by the County, the internal procedure is nearly identical to the annual SSC review procedures that staff are very familiar with.

Recommendation. None. This memorandum is for discussion only.

Attachments: 2192_001 SGMA Expenses
Filename: 8.10.d WRMGSA Administrative Service Charge

Account	Description	2017	2018	2019	2020	2021	2022	2023	TOTALS
SOKR/KERN:									
707-01-00-00	SOKR/KERN GWA LABOR		25,748.76	31,729.26	7,979.02	10,430.54	9,672.54	11,533.53	97,093.65
707-02-00-00	SOKR/KERN GWA LABOR (W/O)		2,023.81	715.79					2,739.60
707-03-00-00	SOKR/KERN GWA LABOR (BURDEN)							5,935.27	5,935.27
707-33-00-00	SOKR/KERN GWA MAT & SUPPLIES						2,158.34		2,158.34
707-51-00-00	SOKR/KERN GWA BY OTHERS	9,724.20					78,654.32	14,230.85	102,609.37
707-52-00-00	SOKR/KERN GWA PROF SERVICES/SOKR	29,756.95	435,589.77	340,904.26	5,956.20	52,664.47	159,499.23	149,536.96	1,173,907.84
	TOTAL SOKR/KERN:	39,481.15	463,362.34	373,349.31	13,935.22	63,095.01	249,984.43	181,236.61	1,384,444.07
WHITE WOLF:									
708-01-00-00	WHITE WOLF GSA LABOR			89.24	3,540.82	5,397.64	7,983.70	5,317.61	22,329.01
708-03-00-00	WHITE WOLF GSA LABOR (BURDEN)							2,693.34	2,693.34
708-33-00-00	WHITE WOLF GSA MAT & SUPPLIES								-
708-51-00-00	WHITE WOLF GSA BY OTHERS		59,881.00	81,379.00	28,802.83	28,673.34	129,592.36	-	328,328.53
708-52-00-00	WHITE WOLF GSA PROF SERVICES	3,083.10				12,442.17	20,763.14	124,594.25	160,882.66
	TOTAL WHITE WOLF:	3,083.10	59,881.00	81,468.24	32,343.65	46,513.15	158,339.20	132,605.20	514,233.54
WIND WOLVES:									
	Work Order 19-01-21, 20-01-14			6,861.00					6,861.00
	TOTAL WIND WOLVES:	-	-	6,861.00	-	-	-	-	6,861.00
	TOTALS (as of 1/31/2024)	42,564.25	523,243.34	461,678.55	46,278.87	109,608.16	408,323.63	313,841.81	1,905,538.61



KERN COUNTY WATER AGENCY

Stuart T. Pyle Water Resources Center
3200 Rio Mirada Drive
Bakersfield, California 93308

Notice of BOARD OF DIRECTORS MEETING

January 25, 2024

Conference Line: [+1 \(571\) 317-3122](tel:+15713173122)
Access Code: 863-465-805#
<https://global.gotomeeting.com/join/863465805>

AGENDA

- I. Call to order – 12:00 p.m.
- II. Report of the General Counsel
 - A. Authorization for Closed Session regarding:
 1. Conference with Legal Counsel – Existing Litigation (Government Code section 54956.9, subdivision (a)):
 - a. Applications Filed for Kern River Water
 - b. California Department of Water Resources v. All Persons Interested in the Matter of the Contract Extension Amendments
 - c. North Coast Rivers Alliance, et al. v. California Department of Water Resources (COA CEQA)
 - d. California Department of Water Resources v. All Persons Interested in the Matter of the Authorization of Delta Program Revenue Bonds
 - e. Rosedale-Rio Bravo Water Storage District, *et al.* v. Kern County Water Agency, *et al.* (CVC Issues)
 - f. Kern Delta Water District, *et al.* v. Rosedale-Rio Bravo Water Storage District (Onyx CEQA)
 - g. Rosedale-Rio Bravo Water Storage District v. Buena Vista Water Storage District, *et al.* (Onyx Water Rights)
 - h. California Sportfishing Protection Alliance, *et al.* v. California State Water Resources Control Board, *et al.*, Sacramento County Superior Court, Case No. 34-2021-80003761 (2021 Order Re Temporary Urgency Change Petition)

- i. California Sportfishing Protection Alliance, *et al.* v. State Water Resources Control Board, *et al.*, Sacramento County Superior Court, Case No. 34-2021-80003763 (2021 Order Re Shasta Temporary Management Plan)
 - j. California Water Impact Network v. Department of Water Resources, Sacramento County Superior Court Case No. 34-2020-80003492; North Coast Rivers Alliance v. Department of Water Resources, Sacramento County Superior Court Case No. 34-2020-80003491 (Water Management Tools)
 - k. Pacific Coast Federation of Fishermen’s Associations, *et al.* v. Ross,, E.D. Cal., Case No. 1:20-cv-00431 & California Natural Resources Agency, *et al.* v. Ross, *et al.*, E.D. Cal., Case No. 1:20-cv-00426 (Long-term Operations)
 - l. State Water Board Cases, Sacramento County Superior Court Case No. JCCP 5013 (Water Quality Control Plan Phase 1 Litigation)
 - m. Oroville Dam Cases, Sacramento County Superior Court Case No. JCCP 4974
 - n. Long-term State Water Project Operations Cases, Sacramento County Superior Court Case No. JCCP 5117
 - o. Temporary Applications Filed for Kern River Water
 - p. Bring Back the Kern, *et al.* v. City of Bakersfield, *et al.*, Kern County Superior Court Case No. BCV-22-103220
- 2. Conference with Legal Counsel – Initiation of Litigation (Government Code section 54956.9, subdivision (d)(2)):
 - a. Three potential suits
 - 3. Conference with Real Property Negotiator (Government Code section 54956.8):
 - a. Negotiator: Improvement District No. 4 Manager
Property: Various
Parties: KWBA and Various Property Owners
Under Negotiation: Price and Terms
- III. Election of Kern County Water Agency Board Officers and Appointment of Board Secretaries
 - IV. Directors’ Forum
 - V. Public Comment
Anyone may comment on any subject within Agency jurisdiction whether or not it is on the agenda. Time for such comment may be limited.
 - VI. Minutes of Board Meetings and Committee Meetings –

Regular Board Meeting	December 20, 2023
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 - VII. Report of the General Manager

VIII. Advisory Committee Reports

- A. Cross Valley Canal Advisory Committee
- B. Improvement District No. 3 Advisory Committee
- C. Urban Bakersfield Advisory Committee

IX. Board Committee Reports

The following items will be discussed in detail at the meeting and may result in appropriate action being taken relating to the subject matter (such action may or may not conform to any staff recommended action):

A. ADMINISTRATIVE COMMITTEE

- 1. Report of the Administrative Operations Manager
- 2. Payment of the Bills
- 3. Financial Report
- 4. Treasury Report
- 5. Adoption of the Annual Schedule of Regular Kern County Water Agency Board Meetings
- 6. Consideration of Consent to the Sale of Certain Tax-Defaulted Properties by the Kern County Treasurer-Tax Collector
- 7. Consideration of Casting a Ballot for Representatives to the California Farm Water Coalition Board of Directors

B. POLICY COMMITTEE

- 1. Update on Delta Conveyance Activities
- 2. Update on Legislative Activities

C. WATER RESOURCES COMMITTEE

- 1. Report of the Water Resources Manager
- 2. Report on the State Water Contractors Board Meetings
- 3. Report on 2024 State Water Project and Central Valley Project Allocations and Operations
- 4. Water Delivery Operations
 - a. Report on Kern County Water Agency California Aqueduct Deliveries
 - b. Update on Water Transfers, Exchanges and Purchases

5. Authorization to Enter into a Temporary Water Service Contract with the U.S. Bureau of Reclamation for Section 215 Water for Water Year 2024
6. Report on the Kern Groundwater Authority Meeting
7. Report on the Kern River

D. WATER MANAGEMENT COMMITTEE

1. Report of the Engineering and Groundwater Services Manager
 - a. Update on Groundwater Banking Construction/Maintenance Projects
 - b. Update on Pioneer Project Recharge Facilities – Basin 11
2. Report on 2023 Water Operations
3. Authorization to Retain a Groundwater Sustainability Plan Consultant for the Kern Subbasin Cost Sharing Agreement for Revising Groundwater Sustainability Plans
4. Appointment of the Improvement District No. 3 Advisory Committee Members
5. Authorization to Execute the Annual Grazing Leases for Kern County Water Agency Properties
6. Report on Kern Water Bank Activities

E. CROSS VALLEY CANAL COMMITTEE

1. Report of the Water Resources Manager
 - a. Update on Cross Valley Canal Construction/Maintenance Projects
 - b. Update on Pioneer Inlet Improvements Project
2. Report on Cross Valley Canal Operations and Deliveries
3. Authorization to Execute a Reimbursement Agreement with Pacific Gas and Electric Company for Design and Review of Pipeline L-300B Replacement Crossing of the Cross Valley Canal

F. URBAN BAKERSFIELD COMMITTEE

1. Report of the Improvement District No. 4 Manager
 - a. Report on the Kern River Groundwater Sustainability Agency Meeting
2. Authorization to Approve 2024 Water Transfers, Exchanges, and Purchases for Improvement District No. 4

3. Water Supply Report
 - a. Report on the Improvement District No. 4 2023 Water Supply and Management Plan
 - b. Report on the Improvement District No. 4 2024 Water Supply and Management Plan
4. Report on the Henry C. Garnett Water Purification Plant
 - a. Authorization to Execute a Contract for Herbicide Application Services
 - b. Ratification of the Kern County Water Agency Contract for the Temperature Equalization Pond Temporary Pumps and Pipeline MC2024-03
 - c. Authorization to Execute Amendment No. 1 to the Kern County Water Agency Contract for the Temperature Equalization Pond Temporary Pumps and Pipeline MC2024-03

X. Correspondence

XI. Brief Report on Potential New Business

XII. Adjournment

DECLARATION OF POSTING: I declare under penalty of perjury, that I am employed by the Kern County Water Agency and that I posted the foregoing Agenda at the Agency Office on January 19, 2024.



Stephanie N. Prince, Board Secretary

Requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Secretary in advance of the meeting to ensure availability of the requested service or accommodation.

Kern Water Bank Groundwater Sustainability Agency

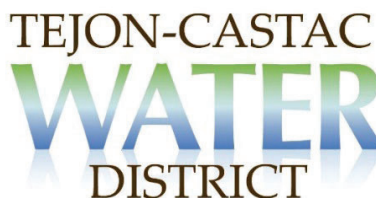


**Regular Meeting of Board of Directors
Tuesday, February 13, 2024, 4:30 P.M.
Kern Water Bank Authority Conference Room¹
1620 Mill Rock Way, Suite 500, Bakersfield, California**

This meeting is held in accordance with the Brown Act pursuant to Section 54950, et seq. of the California Government Code.

- 1. Call to Order**
- 2. Roll Call**
- 3. Public Comment**
- 4. Acknowledge Receipt of Documentation Appointing Directors**
- 5. Appoint Officers**
- 6. Consent Agenda Items**
 - a. Authorize Execution of Memorandum of Agreement with WMWC
 - b. Authorize Execution of Administrative Services Agreement with KWBA
 - c. Authorize Execution of Legal Services Agreement with Young Wooldridge
- 6. Other Action Items**
 - a. Regular Meeting Schedule
 - b. Discuss and Provide Direction Re
 - i. Bank Account
 - ii. Insurance
- 7. Reports**
 - a. JPA/GSA Administration and Status
- 8. Future Agenda Items**
 - a. Conflict of Interest Code
 - b. Other
- 9. Closed Session Item Descriptions (Gov. Code, § 54956.8):**
 - a. Conference with Legal Counsel
 1. Anticipated Litigation
 - i. Gov. Code § 54956.9(d)(2): One Item
- 10. Reconvene and Report from Closed Session (Gov't. Code section 54957.1)**
- 11. Adjourn**

¹ Requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Board Secretary in advance of the meeting to ensure availability of the requested service or accommodation.



**South of Kern River Executive Committee
Regular Meeting**

Tuesday, January 16, 2024

10:00 a.m. to 11:30 a.m.

Meeting Information Posted:

www.sokrgsp.com

<http://www.aewsd.org> * <http://www.wrmwsd.com>

<http://www.tejoncastacwd.com> * <https://www.arvincsd.com>

In Person: Arvin-Edison Water Storage District Headquarters
20401 E. Bear Mountain Blvd. Arvin, CA 93203

Via Remote (**Microsoft Teams**): <https://www.microsoft.com/microsoft-teams/join-a-meeting>

Click here to join the meeting

Meeting Number: **289 619 843 830**

Meeting Password: **ko5K35**

Phone: **1.213.437.9052**

Phone Meeting Number (access code): **276 512 496#**

NOTICE: Members of the public interested in participating by teleconference may do so using the call-in information above or by following [this link](#). Please note that this teleconference option is provided as a courtesy and at the participant's own risk. The Committee cannot guarantee that there will be no loss of connectivity or other technological obstacle to full participation through teleconferencing. By participating in this way, participants confirm that they understand this risk and that the Committee is not obliged to delay any portion of the meeting due to such technological obstacles and thus that teleconference participants may be unable to participate.

1. CALL TO ORDER
2. ROLL CALL
3. PLEDGE OF ALLEGIANCE
4. APPROVAL OF THE AGENDA
5. APPROVAL OF DECEMBER 18, 2023 MEETING MINUTES
6. PUBLIC COMMENT
7. REPORT ITEMS
 - a. GSP Manager Report (*Muhar*)
 - i. Basin Coordination
 - ii. GSP Structure
 - b. Technical Consultant Report (*EKI*)
 - i. Technical Working Group (TWG) Update
 - ii. Report on December 19, 2023 State Water Resources Control Board (SWRCB) Meeting

iii. SGMA Monitoring Network performance and sustainable management criteria (SMC) compliance

c. Finance Report (*Nicholas*)

d. California Aqueduct Subsidence Program (CASP) update (*Nicholas*)

e. Management Area updates (*Muhar, Nicholas, Martin, Barraza*)

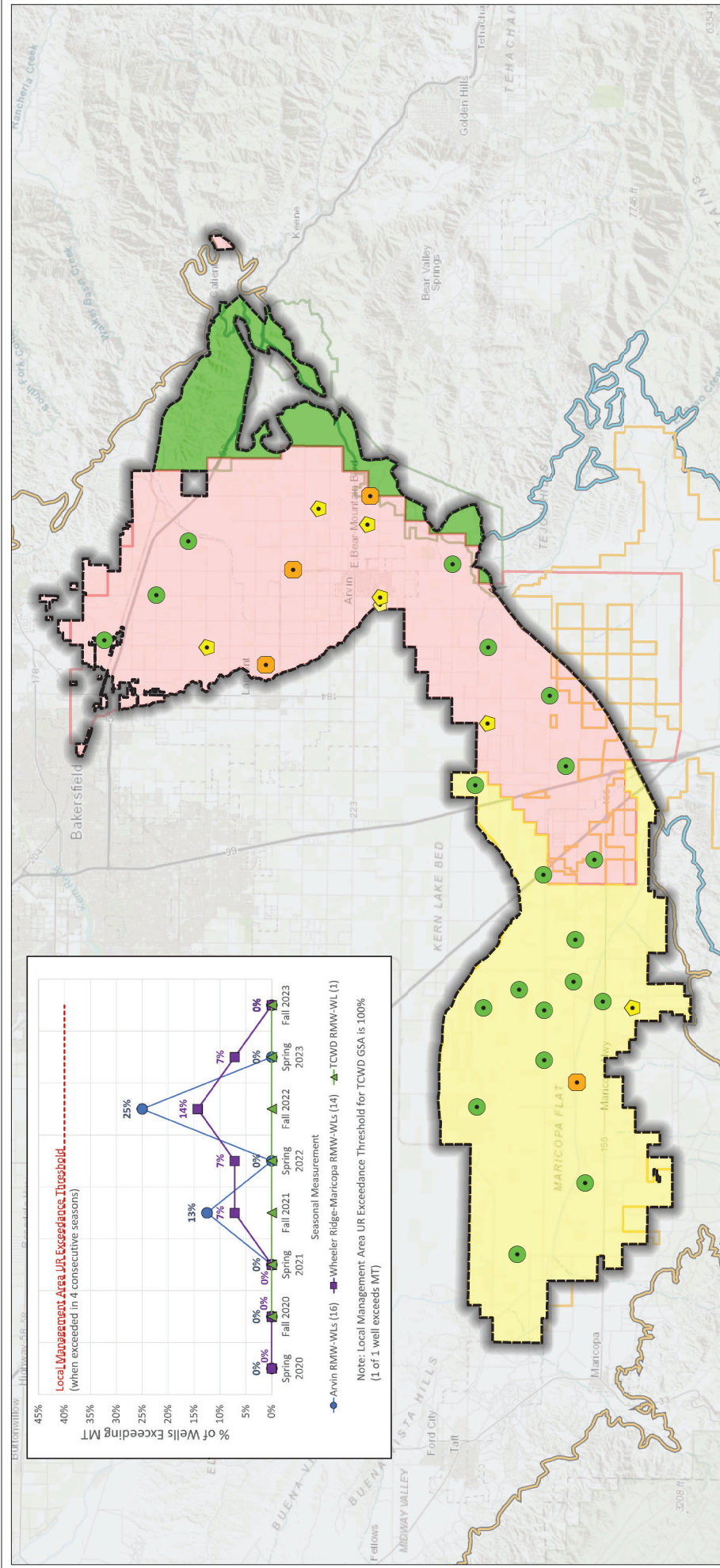
8. ACTION ITEM(S)

a. Discussion and potential action to recommend the Kern Subbasin Minimum Threshold (MT) Exceedance Policy for approval by the GSA Boards (*Muhar*)

9. CLOSED SESSION

a. Potential Litigation (Government Code §54956.9(d)(2), (e)(1); 1 item).

10. ADJOURNMENT



Legend

Representative Monitoring Well and Status as of December 2023

- Water Level Above MO (20 or 65%)
- Water Level between MO and MT but closer to MO (7 or 22%)
- Water Level between MO and MT but closer to MT (4 or 13%)

Groundwater Subbasin

- Kern County (DWR 5-022.14)
- White Wolf (DWR 5-022.18)

South of Kern River Plan

- Arvin GSA
- Wheeler Ridge-Maricopa GSA
- Tejon-Castac Water District GSA

Service Areas

- WRMWS District Service Area
- AEWSD Service Area
- TCWD Service Area

Abbreviations

- AEWSD = Arvin-Edison Water Storage District
- DWR = California Department of Water Resources
- GSA = Groundwater Sustainability Agency
- MO = Measurable Objective
- MT = Minimum Threshold
- RMW = Representative Monitoring Well
- SGMA = Sustainable Groundwater Management Act
- SMC = Sustainable Management Criteria
- TCWD = Tejon-Castac Water District
- UR = Undesirable Result
- WRMWS District = Wheeler Ridge-Maricopa Water Storage District

Sources

- Basemap is ESRI's ArcGIS Online world topographic map, obtained 4 January 2024.
- GSA boundaries obtained from SGMA GSA Map Viewer portal, accessed 6 May 2022.
- DWR groundwater basins are based on the boundaries defined in California's Groundwater Bulletin 118 - 2019 Update.

Notes

- All locations are approximate.
- Undesirable Results are deemed to occur if groundwater levels in 40% or more RMWs are below their respective MT for four consecutive biannual measurements (Spring and Fall) in any management area.

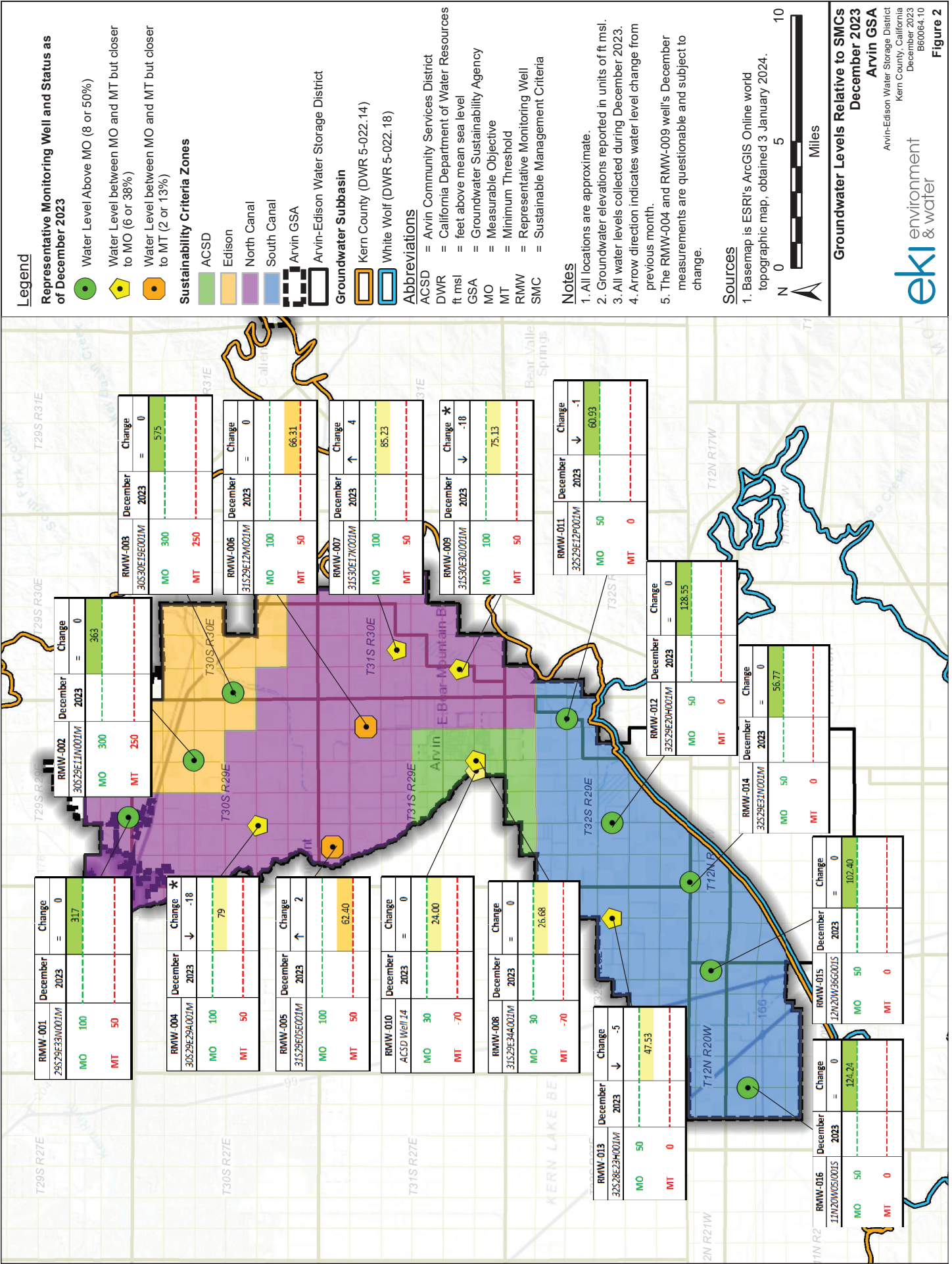
December 2023 Water Levels Relative to SMCs

South of Kern River GSP
Kern County, CA
December 2023
C20055.00

Figure 1

eki environment & water

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY



Legend

Representative Monitoring Well and Status as of December 2023

- Water Level Above MO (8 or 50%)
- Water Level between MO and MT but closer to MO (6 or 38%)
- Water Level between MO and MT but closer to MT (2 or 13%)

Sustainability Criteria Zones

- ACSD
- Edison
- North Canal
- South Canal
- Arvin GSA
- Arvin-Edison Water Storage District

Groundwater Subbasin

- Kern County (DWR 5-022.14)
- White Wolf (DWR 5-022.18)

Abbreviations

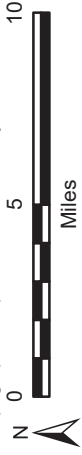
- ACSD = Arvin Community Services District
- DWR = California Department of Water Resources
- ft msl = feet above mean sea level
- GSA = Groundwater Sustainability Agency
- MO = Measurable Objective
- MT = Minimum Threshold
- RMW = Representative Monitoring Well
- SMC = Sustainable Management Criteria

Notes

1. All locations are approximate.
2. Groundwater elevations reported in units of ft msl.
3. All water levels collected during December 2023.
4. Arrow direction indicates water level change from previous month.
5. The RMW-004 and RMW-009 wells's December measurements are questionable and subject to change.

Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 3 January 2024.



Groundwater Levels Relative to SMCs
December 2023
Arvin GSA

Arvin-Edison Water Storage District
Kern County, California
December 2023
B60064.10

Figure 2

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY

RMW-001	December 2023	Change
25529E33N001M	317	= 0
MO	100	
MT	50	

RMW-002	December 2023	Change
30S29E1JN001M	363	= 0
MO	300	
MT	250	

RMW-003	December 2023	Change
30S30E19E001M	575	= 0
MO	300	
MT	250	

RMW-004	December 2023	Change *
30S29E29A001M	79	↓ -18
MO	100	
MT	50	

RMW-005	December 2023	Change
31S29E05E001M	2	↑ 2
MO	100	
MT	50	

RMW-006	December 2023	Change
31S29E12N001M	66.31	= 0
MO	100	
MT	50	

RMW-007	December 2023	Change
31S30E17K001M	4	↑ 4
MO	100	
MT	50	

RMW-008	December 2023	Change
ACSD Well 14	24.00	= 0
MO	30	
MT	-70	

RMW-009	December 2023	Change *
31S30E30J001M	18	↓ -18
MO	100	
MT	50	

RMW-010	December 2023	Change
31S29E34A001M	26.68	= 0
MO	30	
MT	-70	

RMW-011	December 2023	Change
32S29E12P001M	60.93	↓ -1
MO	50	
MT	0	

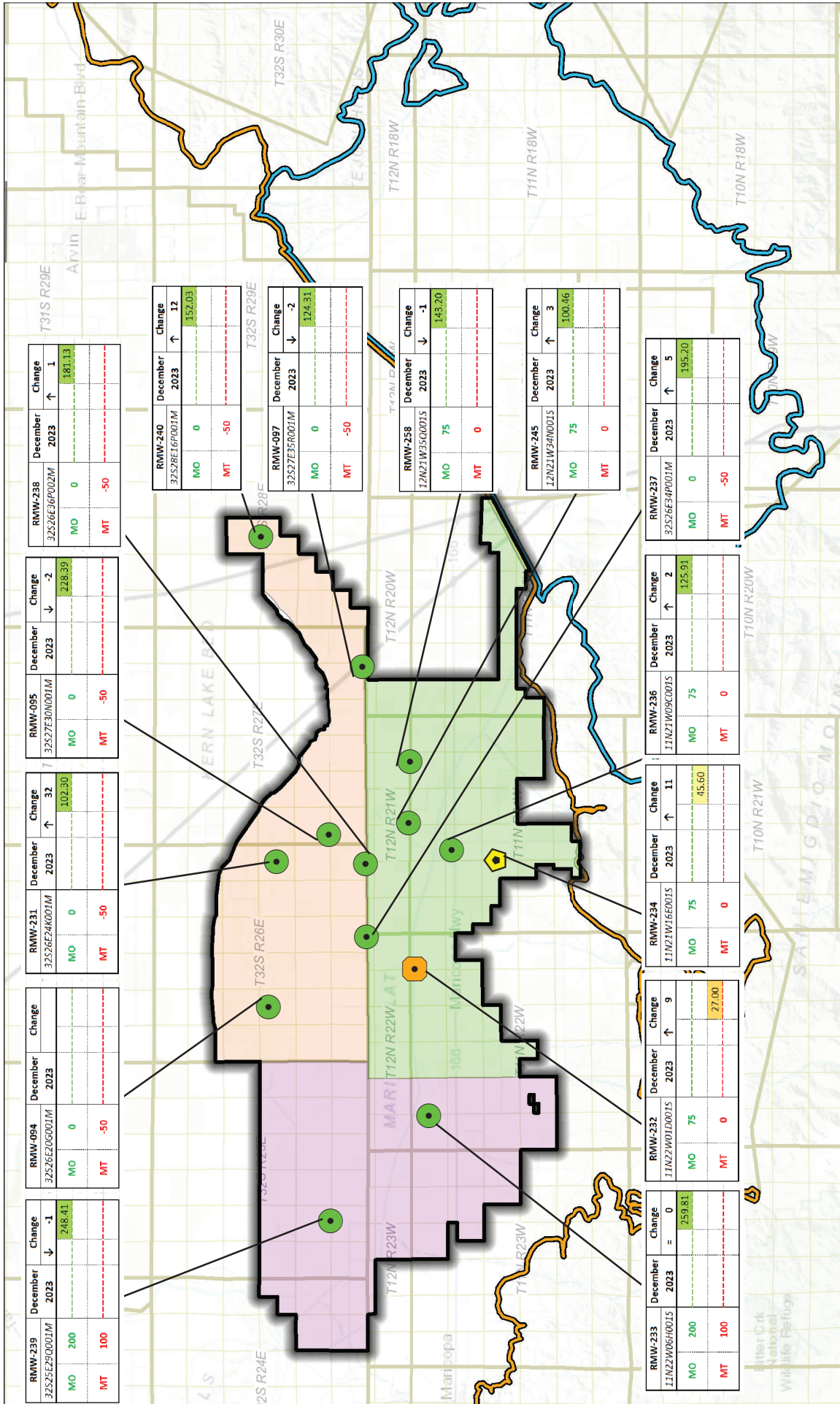
RMW-012	December 2023	Change
32S29E20H001M	128.55	= 0
MO	50	
MT	0	

RMW-013	December 2023	Change
32S29E20H001M	56.77	= 0
MO	50	
MT	0	

RMW-014	December 2023	Change
32S29E21N001M	0	= 0
MO	50	
MT	0	

RMW-015	December 2023	Change
12N20W06G001S	102.40	= 0
MO	50	
MT	0	

RMW-016	December 2023	Change
11N20W05G001S	124.24	= 0
MO	50	
MT	0	



Legend

Groundwater Subbasin

- Kern County (DWR 5-022.14)
- White Wolf (DWR 5-022.18)

Sustainability Criteria Zones

- Northeast
- Southeast
- West
- Wheeler Ridge-Maricopa GSA

Representative Monitoring Well and Status as of December 2023

- Water Level Above MO (12 or 86%)
- Water Level Between MO and MT but closer to MO (1 or 7%)
- Water Level Between MO and MT but closer to MT (1 or 7%)

Notes

- All locations are approximate.
- Groundwater elevations reported in units of ft msl.
- All water levels collected during December 2023.
- Arrow direction indicates water level change from previous month.
- The water level for the RMW-094 well was not measured in December 2023 due to the road being undrivable.

Abbreviations

- DWR = California Department of Water Resources
- ft msl = feet above mean sea level
- GSA = Groundwater Sustainability Agency
- MO = Measurable Objective
- MT = Minimum Threshold
- SMC = Sustainable Management Criteria

Groundwater Levels Relative to SMCs December 2023

Wheeler Ridge-Maricopa GSA

South of Kern River
Kern County, California
December 2023
C20055.00

eki environment & water

Figure 3

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY

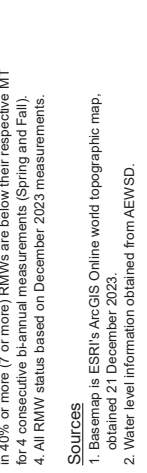
Legend
Representative Monitoring Well and Status as of December 2023

- Water Level Above MO (8 or 50%)
- Water Level between MO and MT but closer to MO (6 or 37%)
- Water Level between MO and MT but closer to MT (2 or 13%)
- + District Recovery Well
- AEWSD Spreading Basin
- Arvin GSA
- Arvin-Edison Water Storage District
- Groundwater Subbasin
- Kern County (DWR 5-022.14)
- White Wolf (DWR 5-022.18)

- Abbreviations**
- AEWSD = Arvin-Edison Water Storage District
 - DWR = California Department of Water Resources
 - ft.msl = feet above mean sea level
 - GWE = groundwater elevation
 - MO = measurable objective
 - MT = minimum threshold
 - RMW = Representative Monitoring Well

- Notes**
1. All locations are approximate.
 2. Groundwater elevations are in feet mean sea level.
 3. Undesirable Results are deemed to occur if groundwater levels in 40% or more (7 or more) RMWs are below their respective MT for 4 consecutive bi-annual measurements (Spring and Fall).
 4. All RMW status based on December 2023 measurements.

- Sources**
1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 21 December 2023.
 2. Water level information obtained from AEWSD.



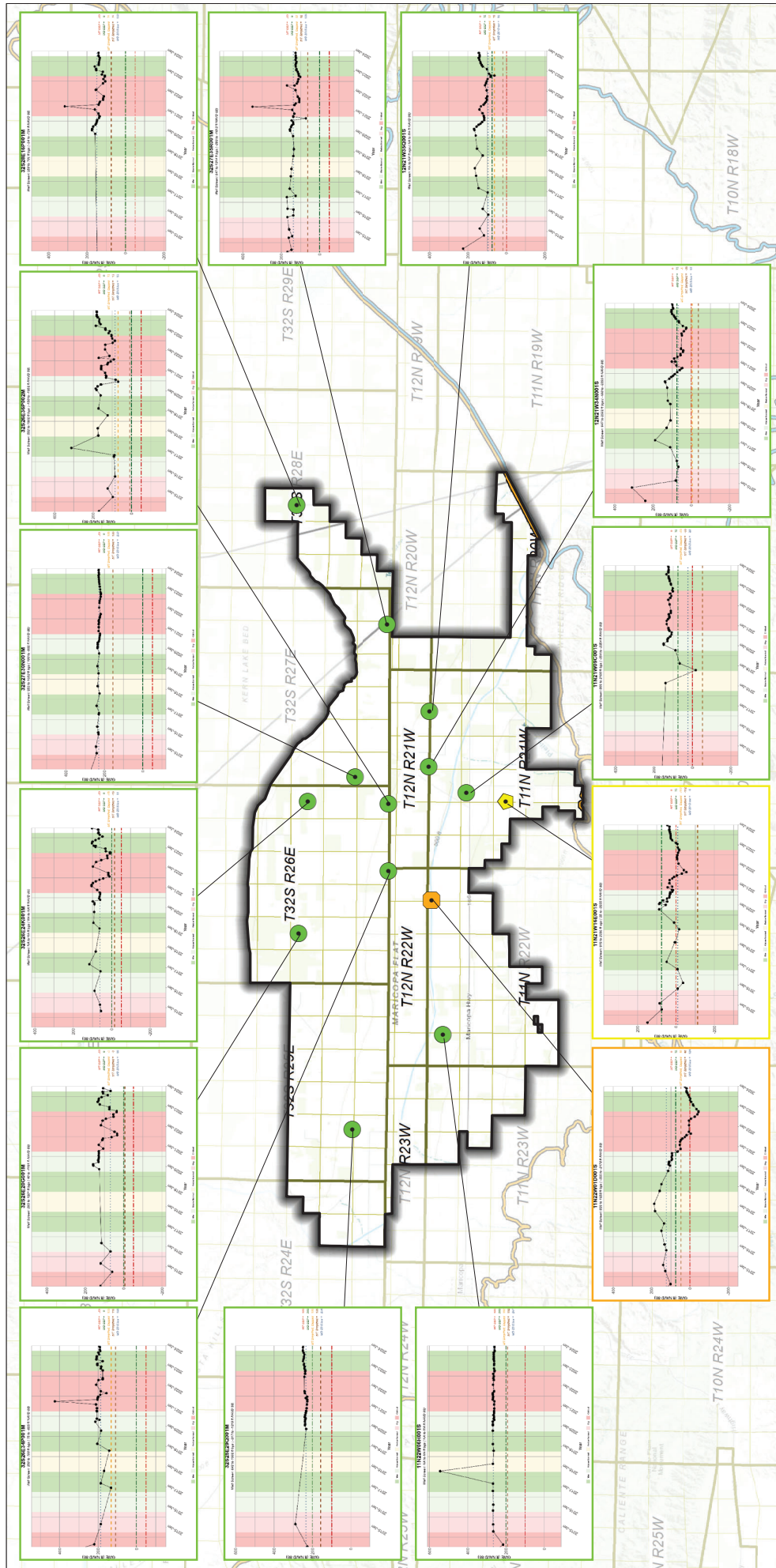
DRAFT

Hydrographs in Representative Monitoring Wells (Jan 2016 - December 2023)

Arvin-Edison Water Storage District
 Kern County, CA
 December 2023
 C20055.01

Figure 4





Legend

- Representative Monitoring Well and Status as of December 2023
 - Water Level Above MO (12 or 66%)
 - Water Level Between MO and MT but closer to MT (1 or 7%)
 - Water Level Between MO and MT but closer to MO (1 or 7%)
- Wheeler Ridge-Maricopa GSA
- Groundwater Subbasin
- Kern County (DWR 5-022.14)
- White Wolf (DWR 5-022.18)

Notes

1. All locations are approximate.
2. Groundwater elevations are in feet mean sea level.
3. Undesirable Results are deemed to occur if groundwater levels in 40% or more (6 or more) RMWs are below their respective MT for 4 consecutive bi-annual measurements (Spring and Fall).
4. All RMW status based on December 2023 measurements.

Abbreviations

- DWR = California Department of Water Resources
- ft msl = feet above mean sea level
- GSA = Groundwater Sustainability Agency
- MO = Measurable Objective
- MT = Minimum Threshold
- RMW = Representative Monitoring Well
- WRMWS = Wheeler Ridge-Maricopa Water Storage District

Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 4 January 2024.
2. Groundwater elevation data provided by WRMWS.

Hydrographs in Representative Monitoring Wells (January 2015 - December 2023)

Wheeler Ridge-Maricopa Water Storage District
 Kern County, CA
 December 2023
 B70103.01



Figure 5

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY

Kern County Subbasin Minimum Thresholds for Chronic Lowering of Groundwater Exceedance Policy

INTRODUCTION

An exceedance policy is hereby developed to provide protocols and guidelines for groundwater sustainability agencies (GSAs) in the Kern County Subbasin (Subbasin) to investigate exceedance of minimum thresholds (MTs) at Representative Monitoring Wells (RMW) following the collection of RMW monitoring data. This policy is developed in conjunction with the Subbasin Well Mitigation Program which identifies mitigation strategies for vulnerable communities as detailed in the Groundwater Sustainability Plan(s).¹ The foundational elements of a successful exceedance policy are described below.

PURPOSE

While it is likely a single or isolated exceedance of a MT will not, by itself, cause an Undesirable Result², such an exceedance may be indicative of future or trending exceedances which could result in Subbasin-wide Undesirable Results for chronic lowering of groundwater.

Each Groundwater Sustainability Agency (GSA) within the Subbasin is responsible for monitoring groundwater conditions, complying with GSP requirements, and coordinating with other agencies and entities (cities, small systems, etc.) within their respective GSA boundaries. However, all GSAs must also work cooperatively to avoid Subbasin-wide Undesirable Results and maintain SGMA compliance. As part of this coordination, all GSAs within the Subbasin compile an annual report and submit that report to the Department of Water Resources (DWR) each year on April 1. Information that reflects compliance with or exceedance of MTs will be included in each annual report, if present. The exceedance policy below supplements the Subbasin's annual reporting efforts to further document actionable progress towards avoiding future MT exceedances.

POLICY

As prescribed in the Kern Subbasin Monitoring Network & Protocols, groundwater levels must be measured by GSAs at all RMWs for both Spring (January 15th to March 30th) and Fall (September 15th to November 15th) monitoring events, at a minimum (some GSAs take more frequent readings, however only these two events are utilized for the MT exceedance and Undesirable Results calculation). After each official Spring and Fall groundwater monitoring event, GSAs are required to report their results to the Subbasin data management system (DMS) to be aggregated and included in the Subbasin's annual report. When an individual well MT has been exceeded, a notification is sent to GSAs in the Subbasin through the DMS including the location and date of the MT exceedance.

Within 60 days of submittal of an MT exceedance to the Subbasin DMS, any GSA/management area with an MT exceedance at a RMW shall complete the following steps:

Step 1: Identification of Initial Exceedance and Investigation of the RMW Area

¹ The Subbasin Well Mitigation Program is described under [insert Appendix #] of the Kern County Subbasin Groundwater Sustainability Plan(s).

² Undesirable Results are defined in the Kern County Groundwater Sustainability Plan(s) as [insert definition and/or page reference].

- A. During the initial investigation after an MT exceedance, the GSA will gather information to evaluate whether the issue is associated with one RMW or is systemic to a larger geographic area. The investigation will evaluate various conditions surrounding the RMW that may be contributing to the MT exceedance which may include information in response to the following questions:
- Are water levels declining in nearby wells? If so, investigate the cause and identify how large of an area is affected.
 - Is the area close to any new well(s)?
 - Is the exceedance coincident with area-wide drought conditions?
 - i. Evaluate the exceedance in reference to the GSA water budget.
 - Are there other activities that could be affecting groundwater conditions in the area?
 - Are there existing projects in the area that are in the process of being implemented?
- B. During the investigation process, the GSA will assess whether the exceedance is caused by drought³, operations in an adjacent GSA, and/or activities not related to SGMA. If applicable, the GSA with the MT exceedance is encouraged to coordinate with neighboring GSA(s) to determine the cause of the exceedance and develop collaborative corrective actions.
- C. Individual GSAs will provide a copy of the exceedance report to the Subbasin coordination committee (coordination committee). Within 60 days of receipt, the coordination committee will review the exceedance report to determine if the MT exceedance is contributing to localized undesirable conditions due to SGMA-related activities.

Step 2: Confer with Subbasin coordination committee

The coordination committee may make recommendations to the GSA(s) to consider implementing projects, management actions, or other actions as applicable to prevent a continued exceedance in adherence to the Subbasin Well Mitigation Program.

³ "Chronic lowering of groundwater levels indicating a significant and unreasonable depletion of supply if continued over the planning and implementation horizon. Overdraft during a period of drought is not sufficient to establish a chronic lowering of groundwater levels if extractions and groundwater recharge are managed as necessary to ensure that reductions in groundwater levels or storage during a period of drought are offset by increases in groundwater levels or storage during other periods." (Source: Water Code Section 10721 (x)(1)).

White Wolf Subbasin Groundwater Sustainability Agency Regular Board Meeting of the Board of Directors

Agenda February 6, 2024 at 1:00 p.m.

Public may attend in-person, via telephone, or Web-based service:

In Person: Wheeler Ridge-Maricopa Water Storage District Headquarters
12109 Highway 166
Bakersfield, CA 93313

Or Virtual Option:

Go To Meeting: <https://meet.goto.com/911605181>
Call by Phone: (872) 240-3311 Access Code: 911-605-181

1. **Call to Order**
2. **Recognition of Guests**
3. **Approval of Minutes of the Regular Board Meeting of November 7, 2023**
4. **Financial Accounting Report (Robert Velasquez)**
5. **California Department of Water Resources (DWR) SGMA Implementation Round 2 grant update (Angelica Martin)**
6. **Updates on actions discussed or authorized on November 7, 2023 (EKI)**
 - a. Proposed 2024 goals for the White Wolf GSA – *Board Action Item #7*
 - b. Update on GSP implementation activities
 - i. December 2023 and January 2024 groundwater levels
 - ii. Annual report preparations
 - c. Projects/Management Actions (P/MA) updates
 - i. Recharge programs contributions
 - ii. Leave behind considerations and preliminary estimate
 - d. Dedicated monitoring well siting
7. **Board Action Items**
 - a. Discuss and provide direction on proposed 2024 goals for the White Wolf GSA
8. **Correspondence**
9. **Public Comment**

In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, please call Angelica Martin (661) 663-4262.

**White Wolf Subbasin Groundwater Sustainability Agency
Regular Board Meeting of the Board of Directors**

**Agenda
February 6, 2024 at 1:00 p.m.**

At this time, the public may address the Board on any item not appearing on the agenda that is within the subject matter jurisdiction of the Board. Comments will be limited to three minutes.

10. Consider and provide direction on future agenda items

11. Closed Session – Anticipated litigation (Government Code Section 54956.9(d)(2))—1 item.

12. Report out of Closed Session

13. Adjourn

In compliance with the Americans with Disabilities Act, if you need disability-related modifications or accommodations, including auxiliary aids or services, please call Angelica Martin (661) 663-4262.

WHITE WOLF GSA FINANCIAL INFORMATION

	July	August	September	October	November	December
FUNDING	-	150,000	-	-	-	-
INTEREST INCOME	63	64	46	170	110	82
TOTAL FUNDING	63	150,064	46	170	110	82
PROFESSIONAL SERVICES - CONSULTING	-	25,743		111,458	(54,482)	4,139
PROFESSIONAL SERVICES - LEGAL	716	-	886	228		
FEES - OTHER	49	42			4,139	
OTHER	-	-	43	40	66	54
TOTAL EXPENDITURES	765	25,785	928	111,725	(50,277)	4,192

WHITE WOLF GSA - August 31, 2023

FUNDING	\$ 150,000
INTEREST INCOME	535
TOTAL FUNDING	150,535
PROFESSIONAL SERVICES - CONSULTING	\$ 86,857
PROFESSIONAL SERVICES - LEGAL	1,829
FEES - OTHER	4,230
OTHER	203
TOTAL EXPENDITURES	\$ 93,118
Net Change	\$ 57,417
Beginning Funds Available	\$ 73,150
FUNDING AVAILABLE AT DECEMBER 31, 2023	\$ 59,401

EKI	\$ 86,857
Young Woolridge	\$ 1,829
Bank Fees	\$ 4,230
Other	\$ 203

PTD FISCAL YEAR 2024

	ACTUAL	BUDGET	VARIANCE
	\$ 150,535	\$ 150,000	\$ 535
	93,118	36,667	56,452
	\$ 57,417	\$ 113,333	\$ (55,917)



White Wolf Groundwater Sustainability Agency

Arvin-Edison Water Storage District
Tejon-Castac Water District
Wheeler Ridge-Maricopa Water Storage District
Kern County

AGENDA MEMORANDUM

Date: 2 February 2024

To: Board of Directors, White Wolf Groundwater Sustainability Agency (GSA)

From: Angelica Martin, Secretary, White Wolf GSA

Item: 7. Discuss and provide direction on proposed 2024 goals for the White Wolf GSA

Proposed 2024 Goals for the White Wolf GSA

1. Develop a strategy and approach for collecting metered groundwater pumping data.
2. Finalize and adopt a landowner recharge / recharge project leave behind policy.
3. Site and install a dedicated replacement well for RMW-WWB-009.
4. Establish a demand reduction target for 2024, 2025, and 2026 that will ensure the GSA stays on track to meet the 2027 demand reduction target of 2,700 AFY.

EKI TECHNICAL PRESENTATION

WHITE WOLF TECHNICAL COMMITTEE

6 FEBRUARY 2024



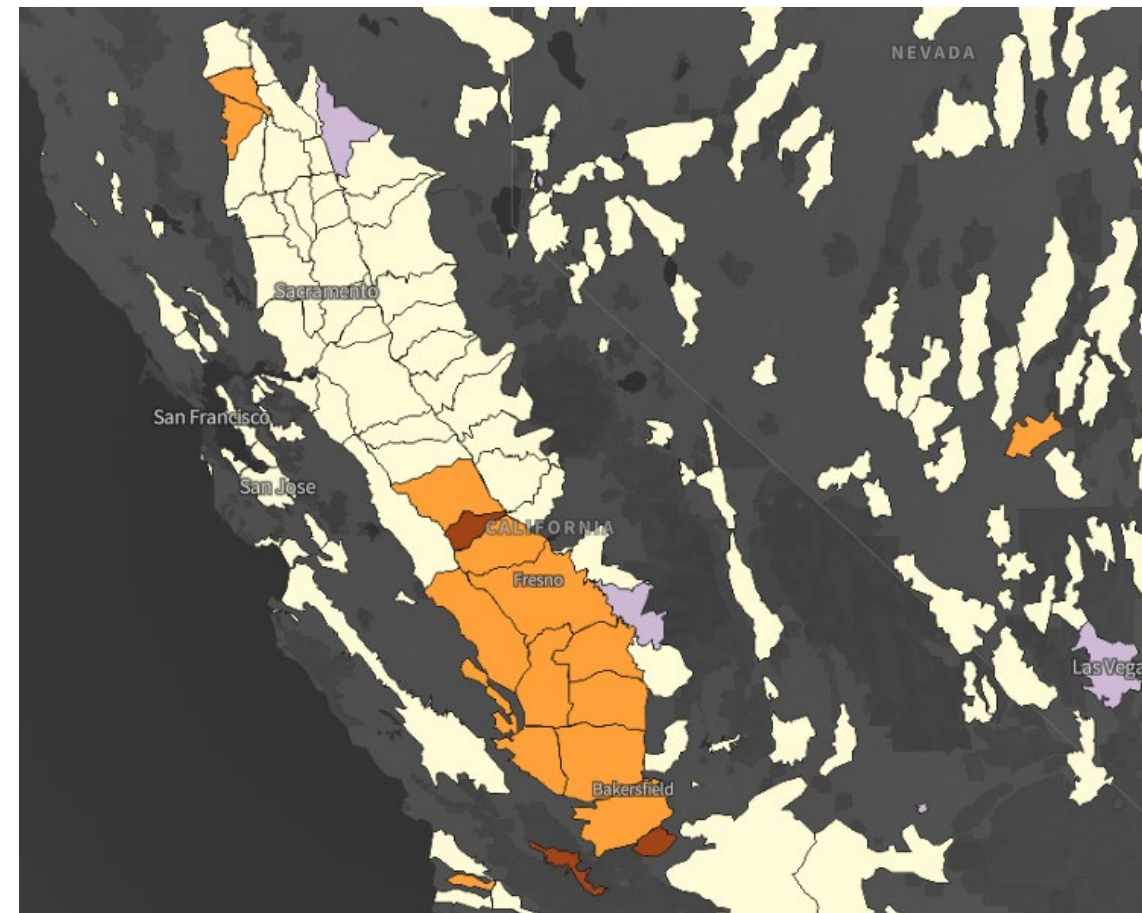
OUTLINE

- Proposed 2024 goals
- GSP implementation updates
 - December and January groundwater levels
 - Annual report preparations
- Projects/Management Actions (P/MAs) updates
 - Recharge programs contributions
 - Leave behind considerations and preliminary estimate
- Dedicated monitoring well siting

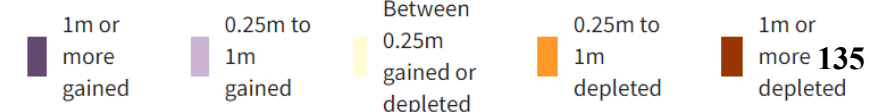
PROPOSED 2024 GOALS FOR THE WHITE WOLF GSA

CONTEXT AND MOTIVATION

- Recent news articles:
 - Nature
 - Cal Matters featured in Maven's Notebook
- 1,693 aquifer systems ranked based on median annual change in groundwater levels through 2022
- White Wolf ranked 52nd fastest declining aquifer globally between 2000-2022



Median annual change in groundwater basin levels (meters):



Jasechko, S., Seybold, H., Perrone, D. et al. Rapid groundwater decline and some cases of recovery in aquifers globally. *Nature* 625, 715–721 (2024). <https://doi.org/10.1038/s41586-023-06879-8>

[CAL MATTERS: California ranks high worldwide for rapidly depleted groundwater – MAVEN'S NOTEBOOK | California Water News Central \(mavensnotebook.com\)](#)

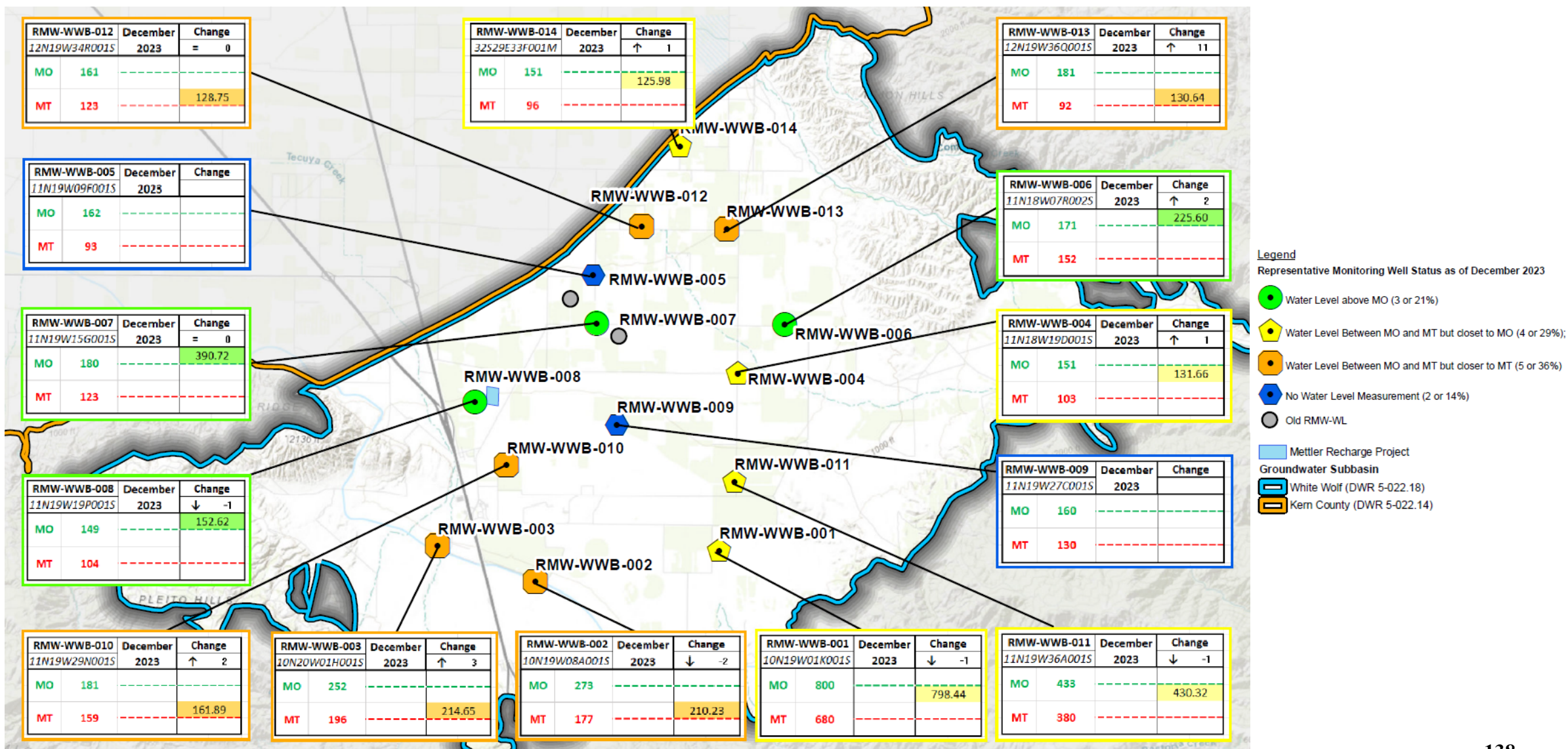


PROPOSED 2024 GOALS

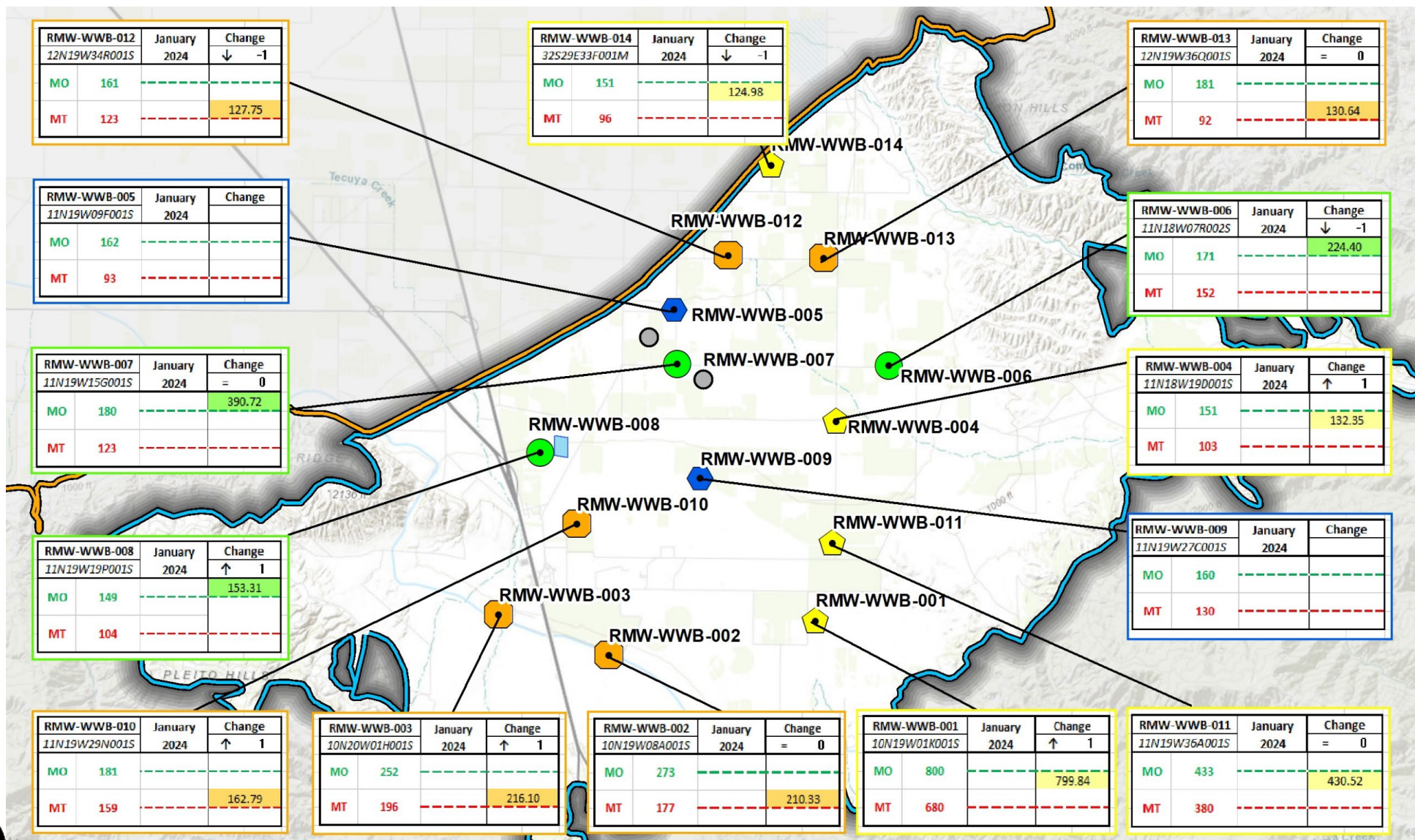
1. Develop a strategy and approach for collecting metered groundwater pumping data.
2. Finalize and adopt a landowner recharge / recharge project leave behind policy.
3. Site and install a dedicated replacement well for RMW-WWVB-009.
4. Establish a demand reduction target for 2024, 2025, and 2026 that will ensure the GSA stays on track to meet the 2027 demand reduction target of 2,700 AFY.

GSP IMPLEMENTATION UPDATES

DEC. 2023 MEASUREMENTS COMPARED TO SMCs



JAN. 2024 MEASUREMENTS COMPARED TO SMCs



Legend

Representative Monitoring Well Status as of January 2024

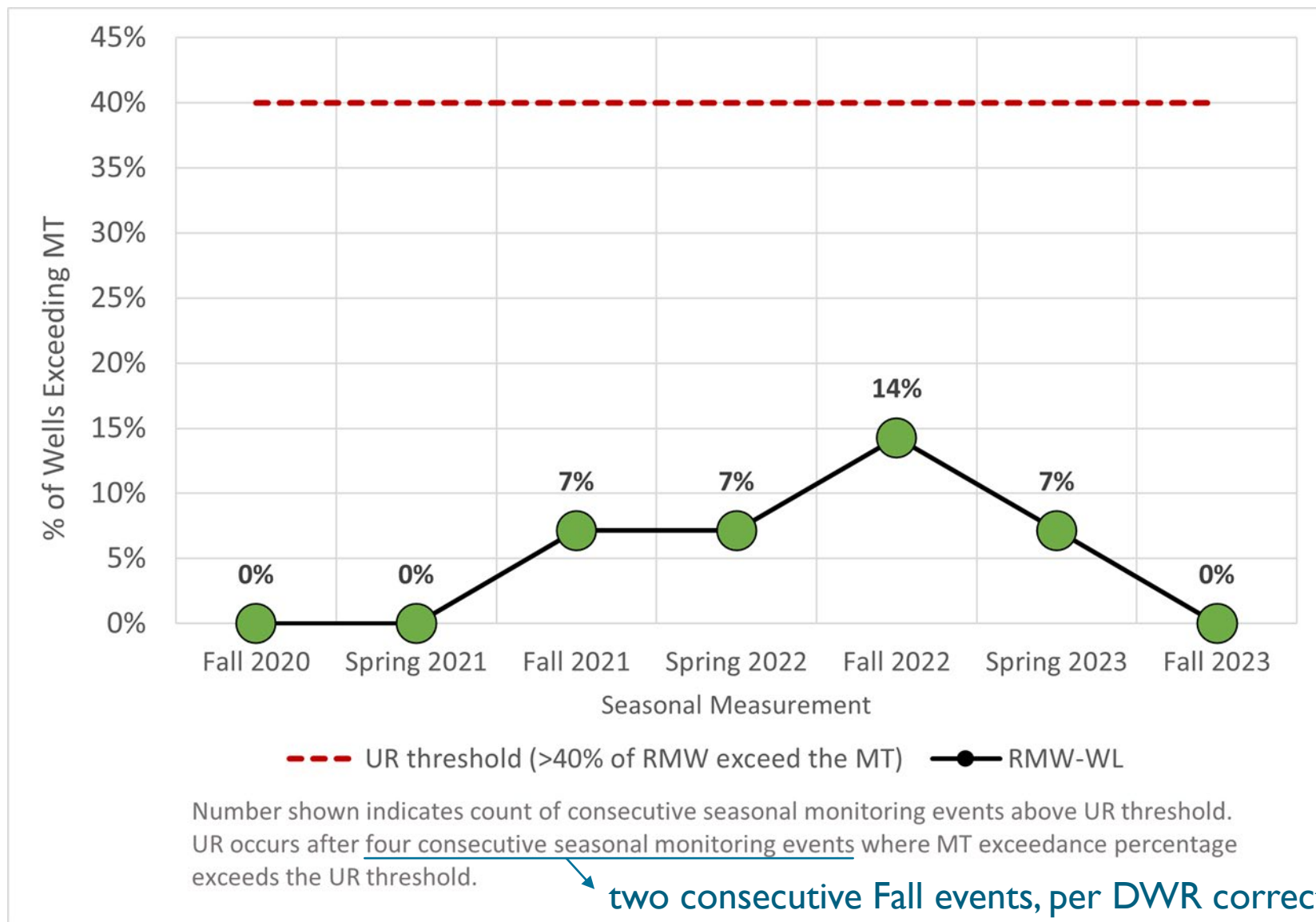
- Water Level above MO (3 or 21%)
- Water Level Between MO and MT but closer to MO (4 or 29%)
- Water Level Between MO and MT but closer to MT (5 or 36%)
- No Water Level Measurement (2 or 14%)
- Old RMW-WL

Mettler Recharge Project Groundwater Subbasin

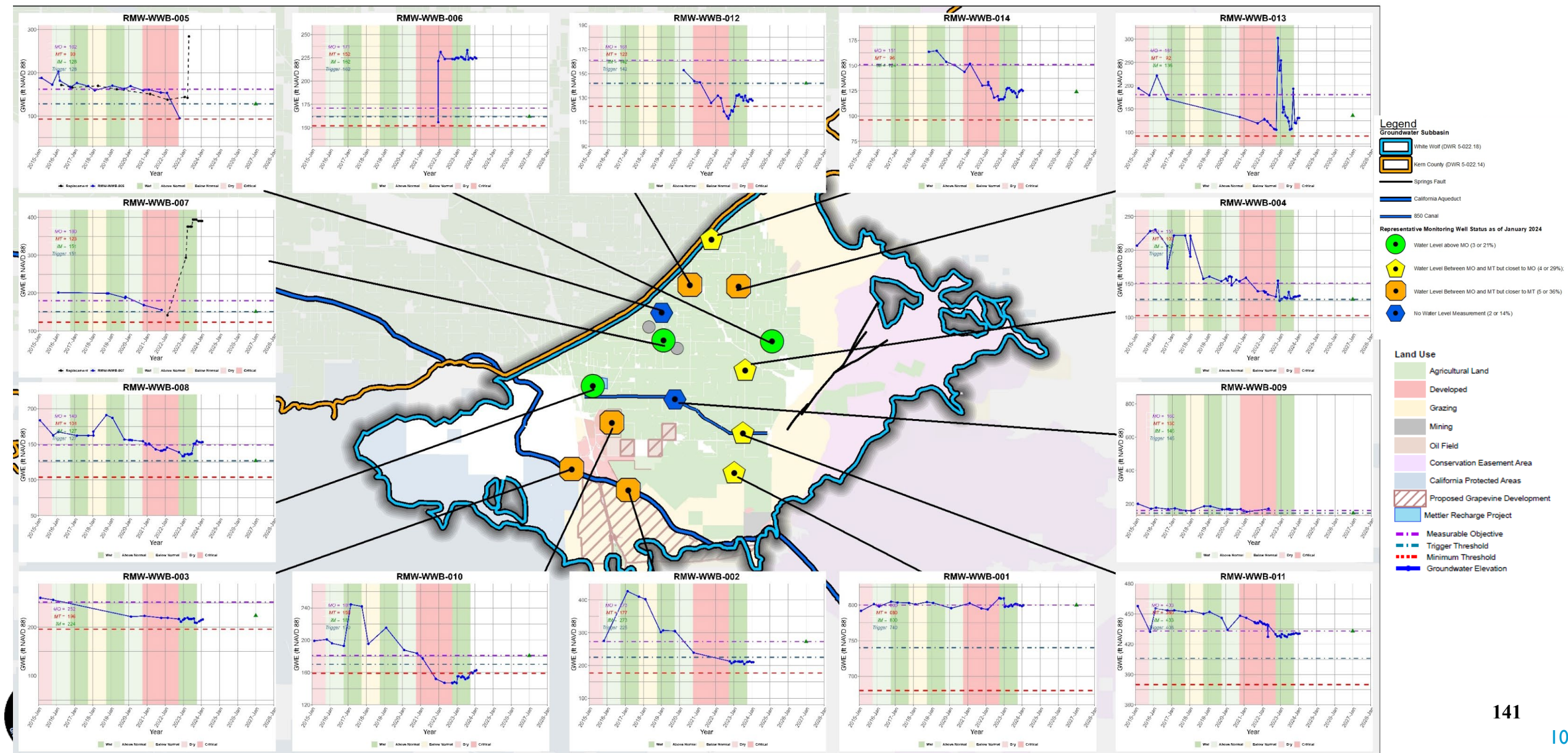
- White Wolf (DWR 5-022.18)
- Kern County (DWR 5-022.14)



UR CHART (UPDATED TO FALL 2023)

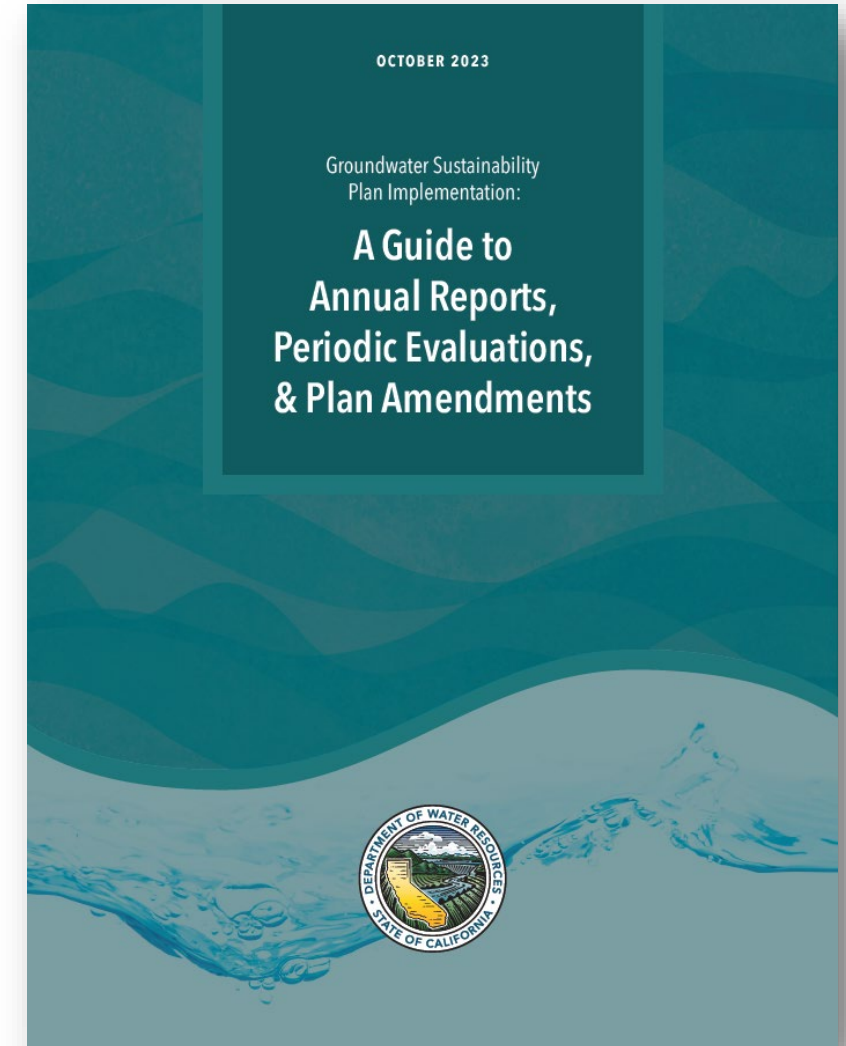


RMW-WL HYDROGRAPHS



ANNUAL REPORT WILL BE MODIFIED BASED ON DWR'S IMPLEMENTATION GUIDE

- Key updates/changes for the **Annual Report** include:
 - Potentially restructure tables to match those presented in the Guide
 - Describe improvements to metering measurements
 - Expand on P/MA descriptions, including discussion of any adverse impacts on various sustainability indicators, adjacent groundwater basins, or beneficial uses and users of the Basin
 - Add new section to discuss progress made on addressing corrective actions in DWR's determination letter



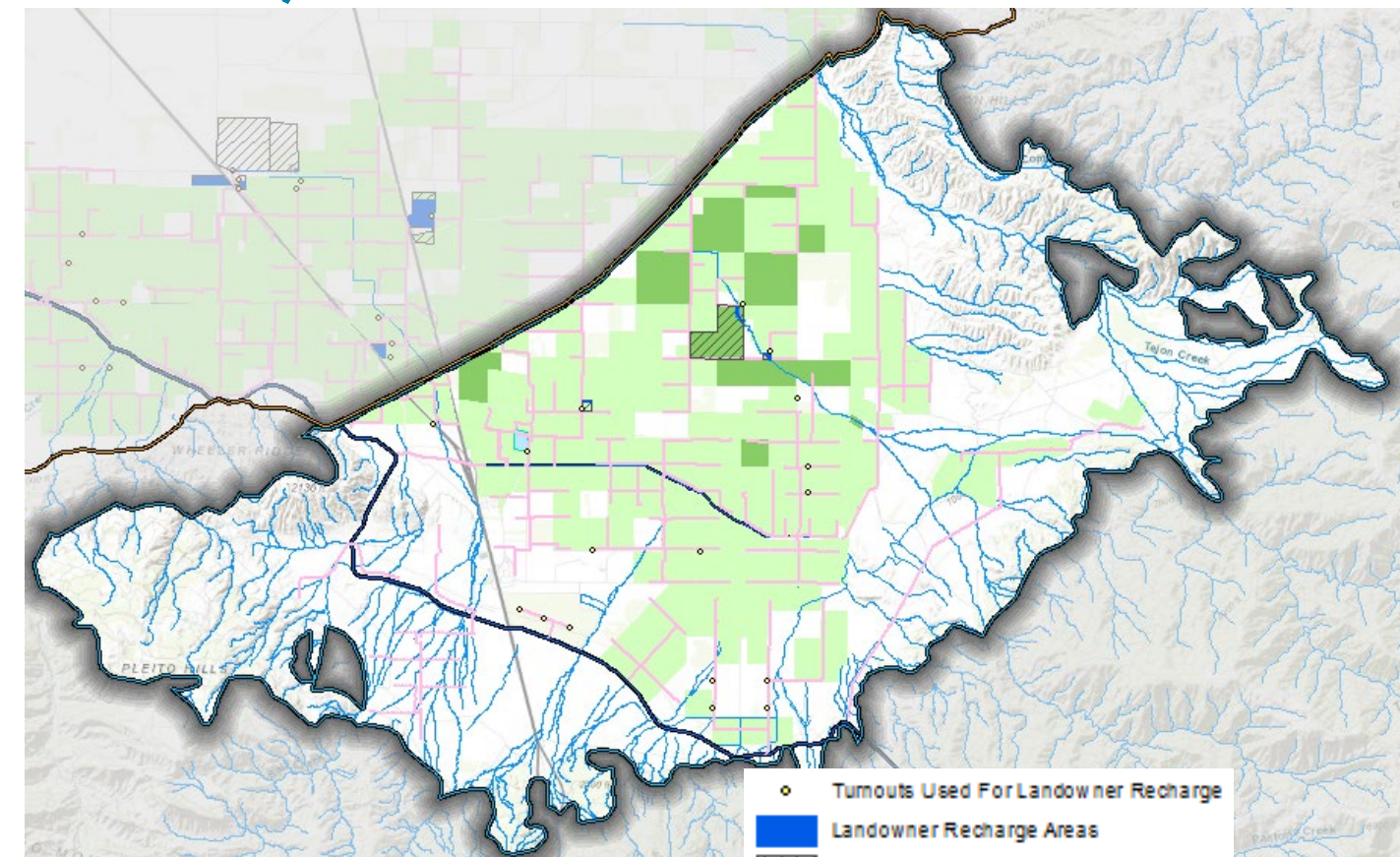
ANNUAL REPORT PREPARATION UPDATES

- Fall 2023 groundwater levels uploaded to DWR portal on 12/11/2023
- Extending the White Wolf Groundwater Flow Model (WWGFM) through Water Year 2023 (October 2022 – September 2023)
- Water Year 2023 Annual Report modifications per new guidelines and updates to summarize WY 2023 underway (due to DWR 4/1/24)

P/MAS UPDATES

LANDOWNER RECHARGE PROGRAMS APPLIED

>12,800 AF IN 2023

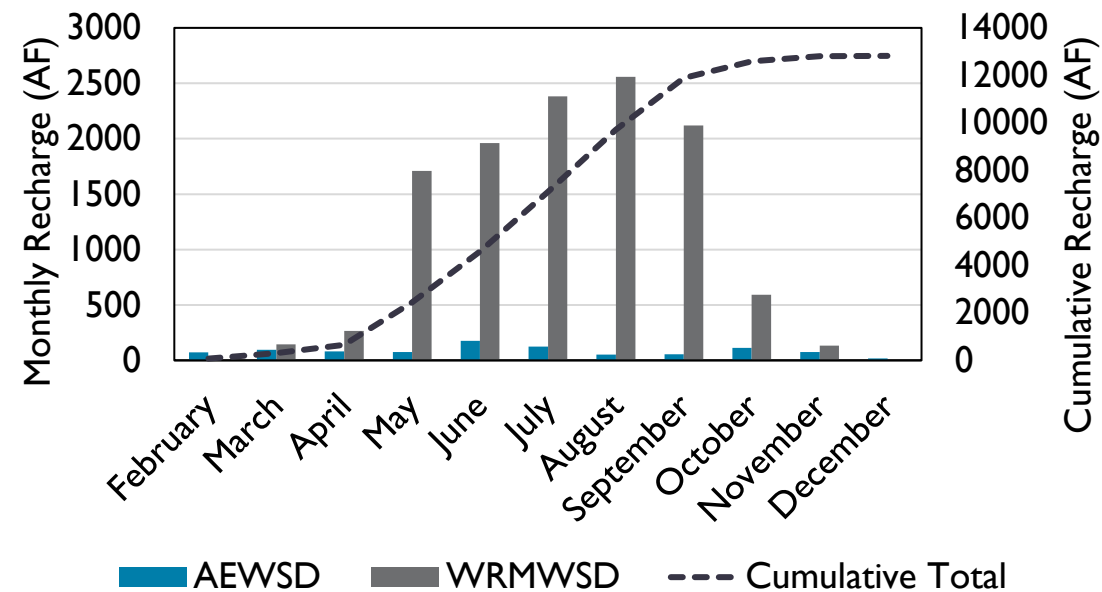


- Turnouts Used For Landowner Recharge
- Landowner Recharge Areas
- Landowner Recharge Parcels
- Pipeline
- California Aqueduct
- Mettler Recharge Facility
- Surface Water Service Area
- New In-Lieu Service Area

Legend

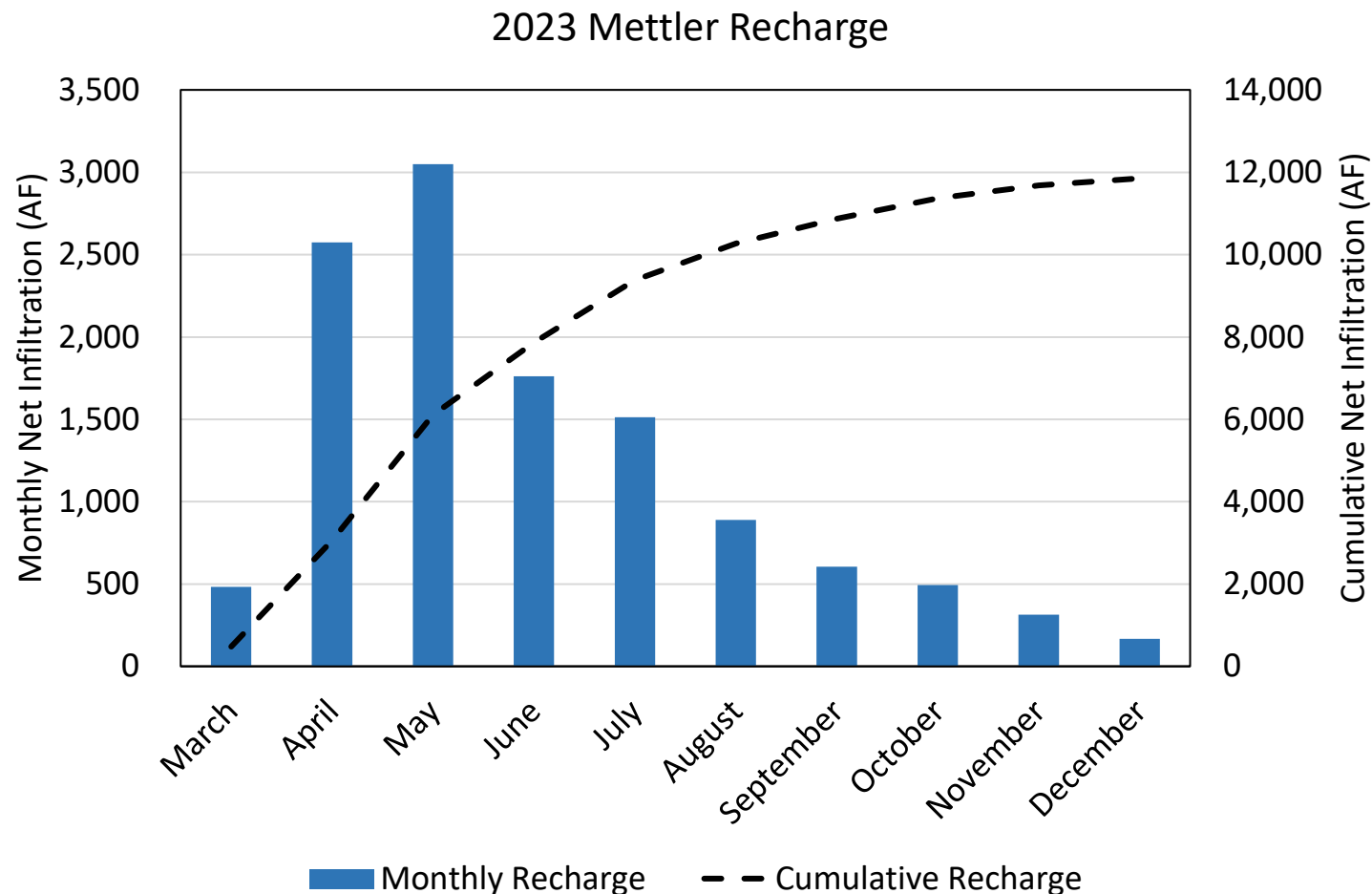
- Groundwater Subbasin**
- Kern County (DWR 5-022.14)
- White Wolf (DWR 5-022.18)

2023 Landowner Recharge in White Wolf

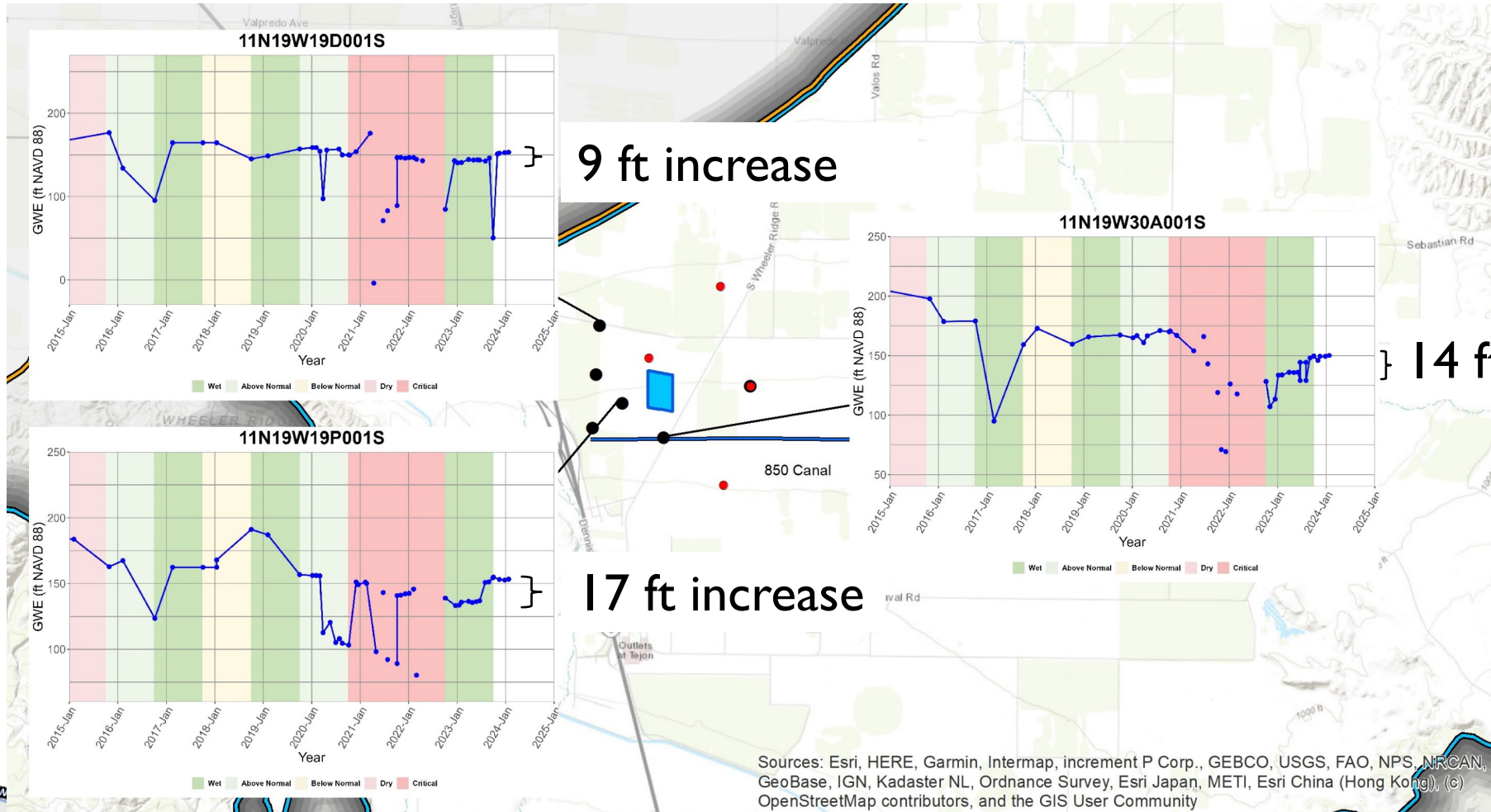


APPROX. 11,900 AF INFILTRATED AT METTLER FACILITY SINCE MARCH 2023

- Average infiltration rate 0.84 ft/day
- Recharge operations ceased on 12/24/2023



RECENT GROUNDWATER LEVEL TRENDS NEAR METTLER RECHARGE FACILITY



■ Increase in nearby water levels since March 2023

} 14 ft increase

} 9 ft increase

} 17 ft increase

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

LEAVE BEHIND CONSIDERATIONS

Analysis: Amount assessed against gross recharge volume to account for **subsurface outflows, non-recoverable supply, and subbasin sustainability.**

White Wolf GSA specifics:

1. Subsurface outflows to neighboring Kern County Subbasin.
2. Non-recoverable supply trapped in unsaturated zone (i.e., recharge water that does not reach groundwater due to subsurface pore space composition and depth to groundwater)
3. Subbasin sustainability protecting groundwater storage and supporting GSA management efforts (i.e., offset long-term storage decreases)



COMPARISONS (LANDOWNER PROGRAMS)

District/GSA	Leave Behind	Basis
Arvin Edison Water Storage District	Not established	
Wheeler Ridge-Maricopa Water Storage District	Not established	
Cawelo Water District	10 to 25%	Source and facility ownership
Madera County GSA (Emergency Recharge Policy)	25%	
Shafter-Wasco Irrigation District	6 to 100%	Water source
Lower Tule River Irrigation District GSA	10 to 25%	Facility ownership
North Fork Kings GSA	10%	
Porterville Irrigation District	10 to 30%	Source and location of recharge facility

Note: considerations typically include local recharge benefits and encouraging new supplies/facilities.

COMPARISONS (BANKING PROGRAMS)

Bank	Status	Leave Behind	SubBasin
Kern Water Bank	Active	10%: 6% unavoidable losses, 4% overdraft correction	Kern County
Mettler	Active	10% after evaporation	White Wolf
AEWSD	Active	10%	Kern County
Semitropic	Active	10%	Kern County
AVEK “High Desert”	Proposed	10%	Antelope Valley
Aquaterra/McMullin	Proposed	10%	Delta Mendota
North Fork Kings GSA	Proposed	10%	Kings
Rainbow IX (Terra Bella)	Proposed	10 to 30%	Tule
Rosedale-Rio Bravo	Active	50%	Kern County
Buena Vista WSD	Proposed	25 to 75%	Kern County

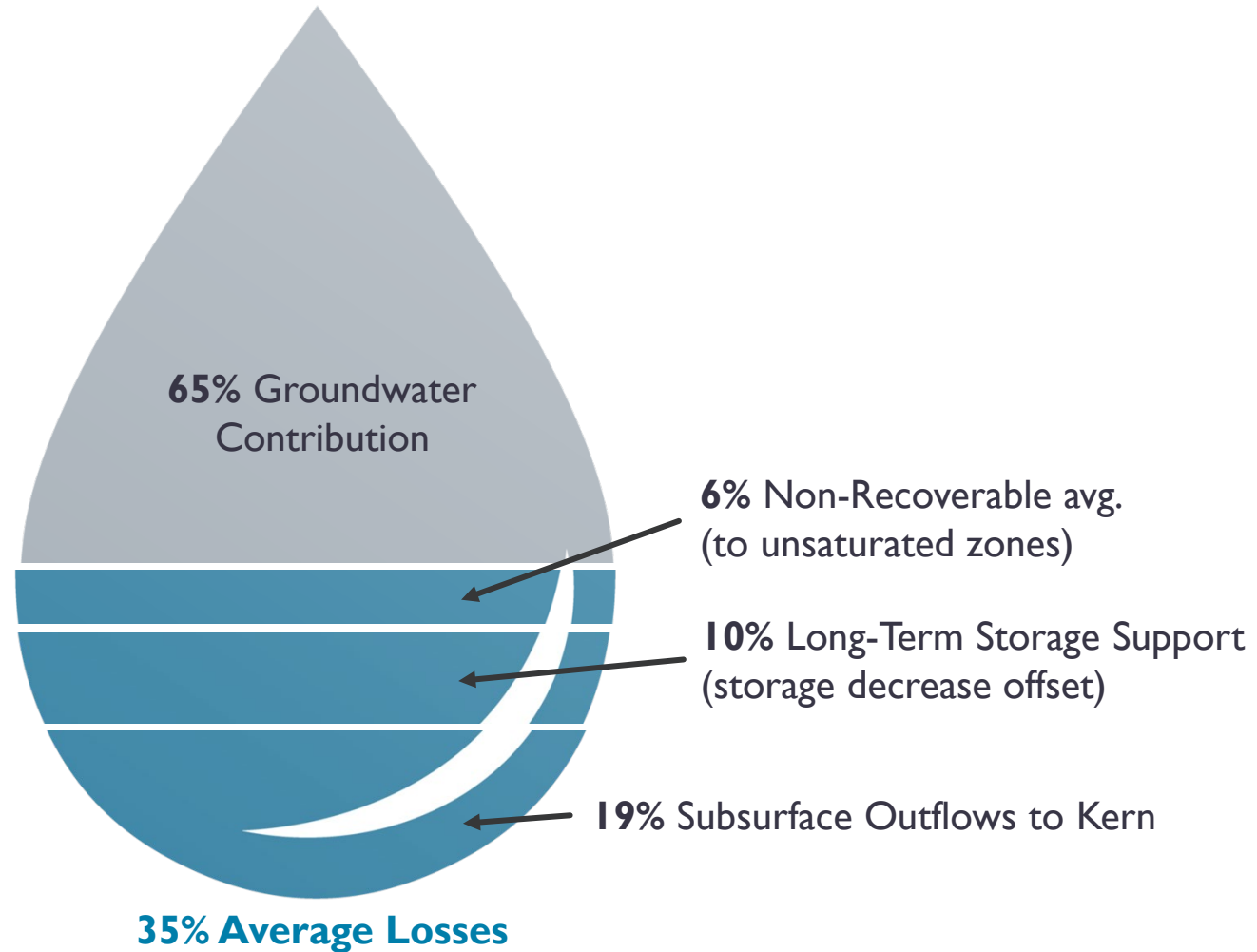
Note: considerations typically include negotiations with potential partners and imported supply availability.

LANDOWNER PROGRAMS IN SUMMARY

- Mostly policy and incentives based: encourage new water sources and facilities.
- Typical 10 to 30% Leave Behind, but neighboring basins are:
 - Typically larger, mitigating sub-surface flow issues (i.e., ability to "hold" recharged water benefit).
 - Contain different hydrogeologic profiles, re: "non-recoverable" zones.
 - Aiming at consistency with other recharge efforts and external party engagement.
- Available info suggests Leave Behind should:
 - Cover potential impacts to undesirable results, neighboring wells, subsurface flow, etc.
 - Encourage and incentivize new recharge approaches (consistent with local practices).
- Can require calculations of inefficiencies based on evaporation, soil percolation data, etc.

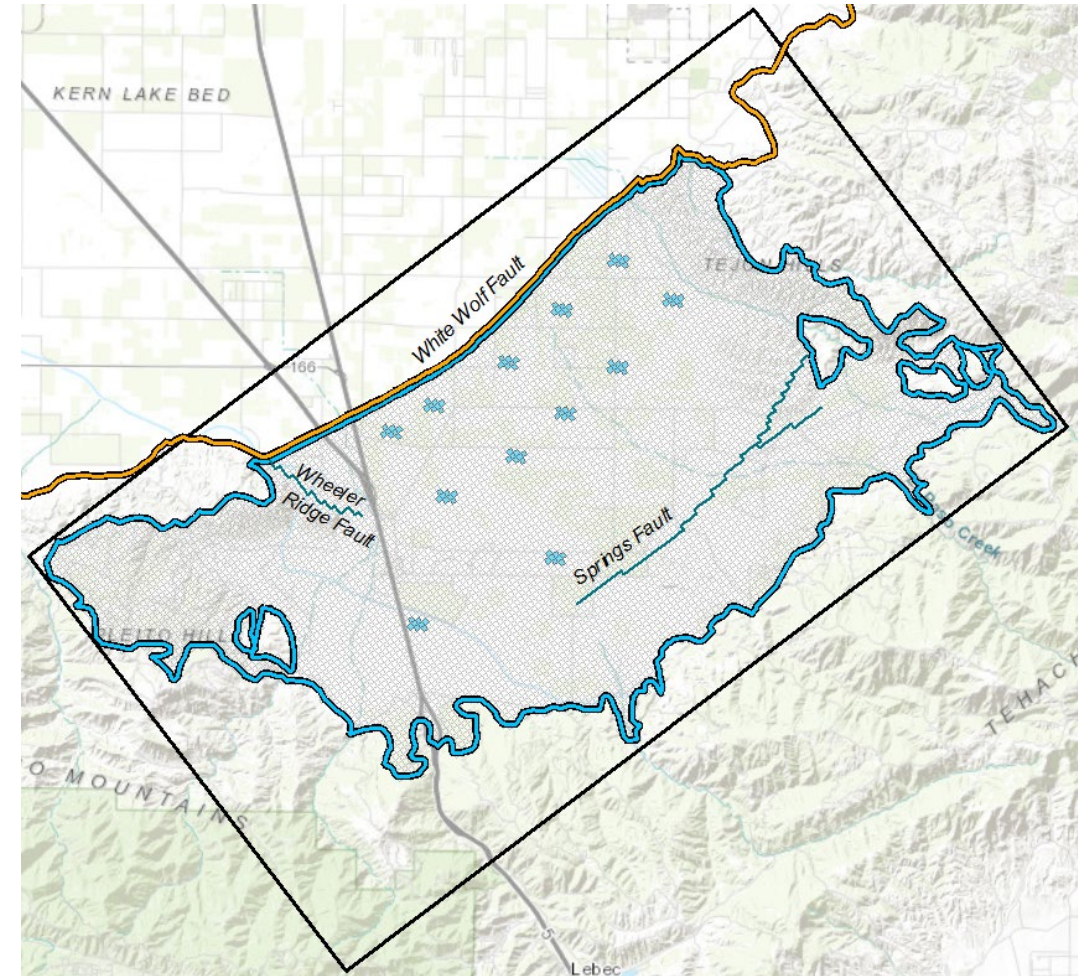
WHITE WOLF LEAVE BEHIND PRELIMINARY ESTIMATE

For groundwater inflows (recharge):



ONGOING REFINEMENTS TO PRELIMINARY LEAVE BEHIND ESTIMATE

- Conduct modeling runs to assess recharge location and associated contributions to outflow across the White Wolf Fault, and quantify average travel times
- Use Mettler as a test case to assess aquifer response to recharge



DEDICATED MONITORING WELL SITING

DEDICATED MONITORING WELL SITING

- **Issue:** RMWs 005, 007, and 009. Two wells potentially collapsed; replacement wells have inconsistent groundwater level readings.
- Grant Component 2(b) includes siting and design of one to three monitoring wells

Excerpts from draft grant agreement (pending execution):

Category (b): Environmental / Engineering / Design

Conduct planning and design activities associated with the monitoring well installation. Perform a technical assessment of potential monitoring well locations, associated costs, and landowner participation to determine the number and location of one to three wells monitoring wells to be installed, as well as the number of completions to be included in each monitoring well. Acquire any landowner access agreement(s) necessary to install monitoring wells with adequate access for construction and maintenance. Develop and prepare specifications, final design plans, bid communications, contracting, and bid award recommendation. Acquire necessary permits required for the well installation(s). Prepare the required CEQA documentation if applicable. Complete a Site Health and Safety Plan to use during the well installation process.

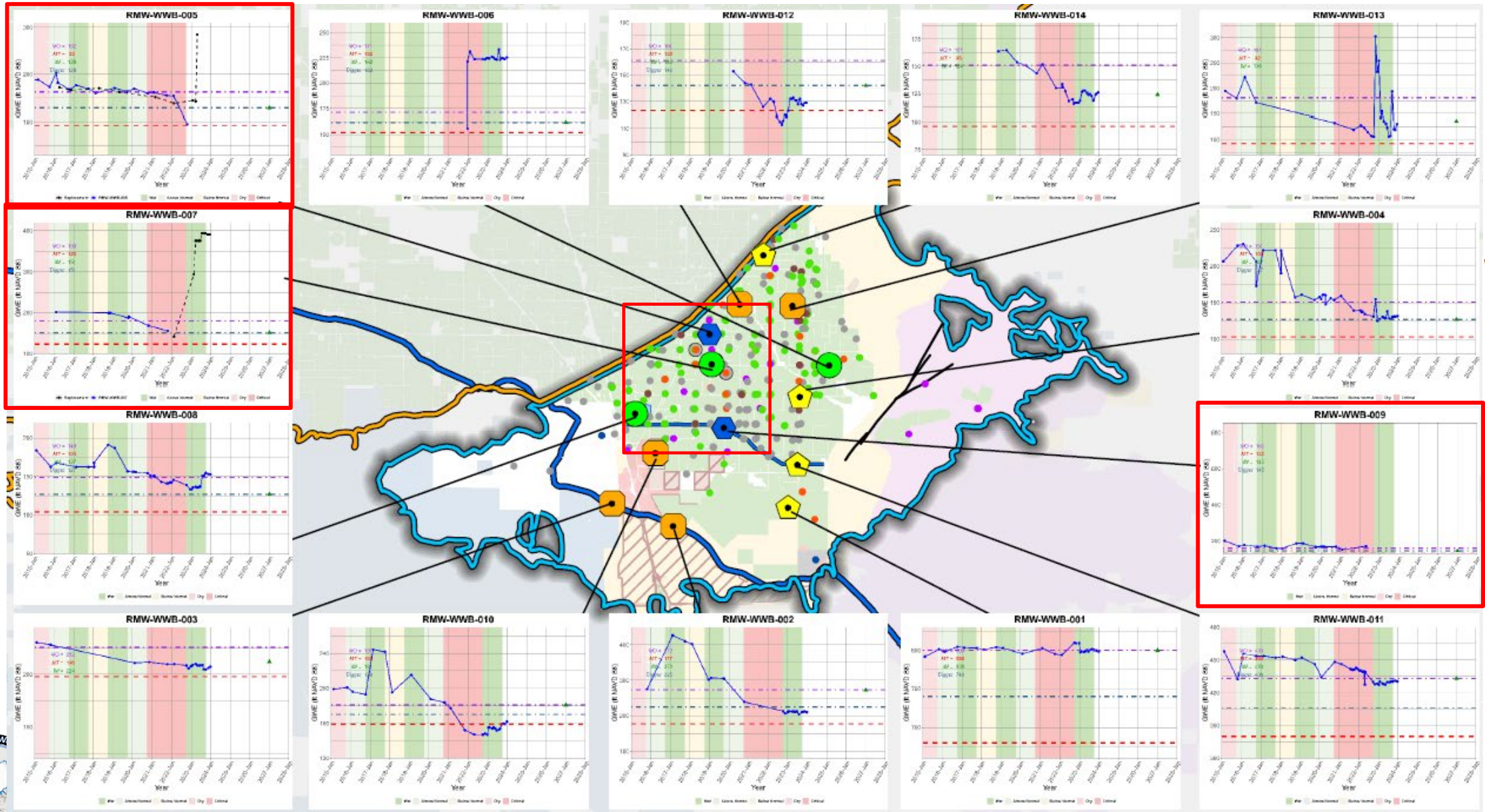
Deliverables:

- Map of approved locations for monitoring wells
- Written access agreement(s), if applicable
- Final design plans
- Bid document(s)
- Awarded contract(s) and Notice to Proceed
- Required permit(s) and environmental documentation, as [applicable](#)
- Site Health and Safety Plan

Component 2: GSP Reporting, Data Gap Filling, Outreach, and SGMA Compliance Activities	10/04/2022	04/30/2026
(a) Component Administration	01/01/2023	04/30/2026
(b) Environmental / Engineering / Design	0510 /01/2023	0510 /01/2024
(c) Implementation / Construction	0402 /01/2024	12/01/2025

Budget Categories	Grant Amount
(a) Component Administration	\$55,000
(b) Environmental / Engineering / Design	\$75,000
(c) Implementation / Construction	\$660,000

DEDICATED MONITORING WELL SITING

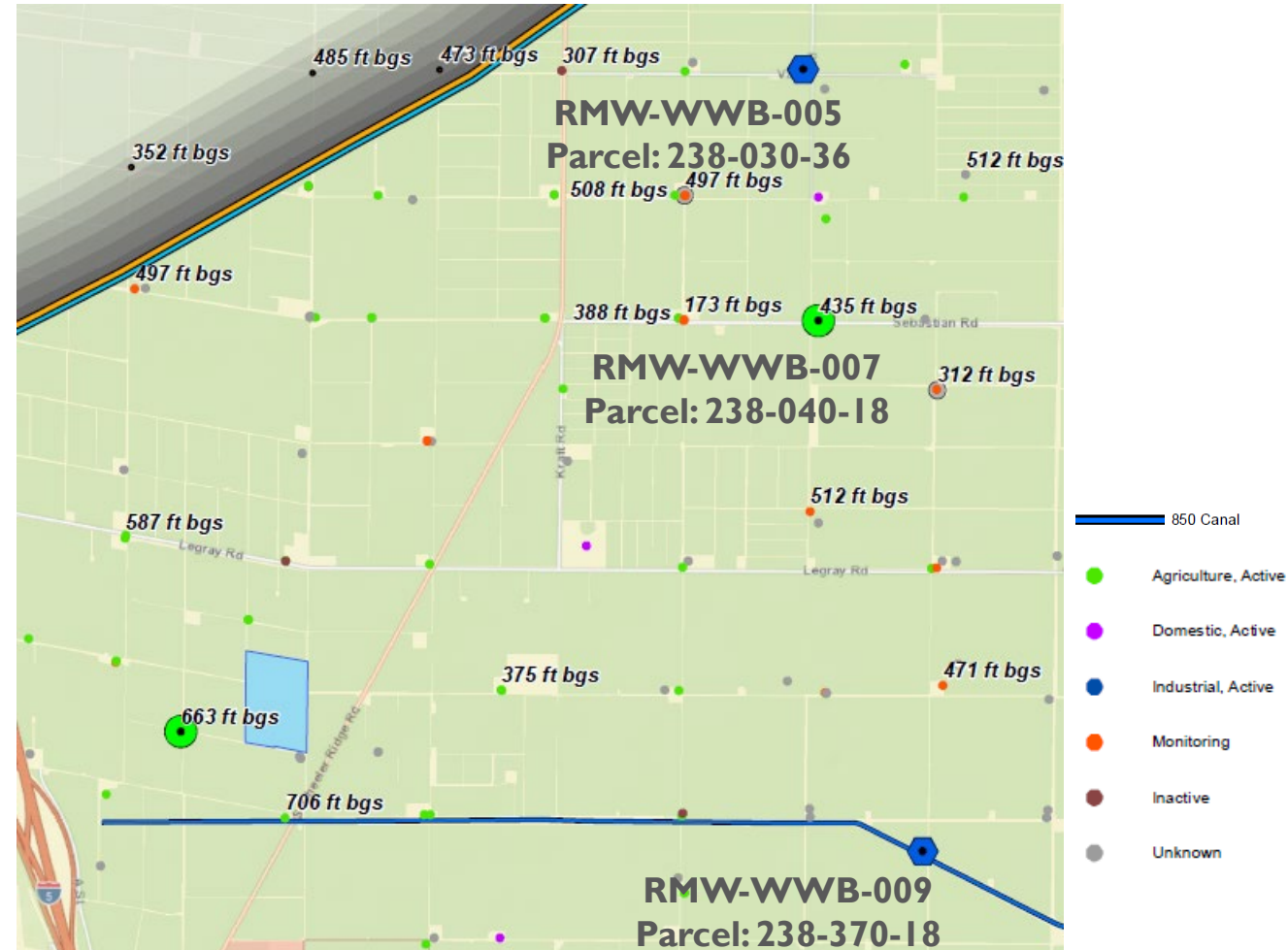


- Well User/Status
- Agriculture, Active
 - Domestic, Active
 - Industrial, Active
 - Monitoring
 - Inactive
 - Unknown



DEDICATED MONITORING WELL SITING

- Recommend developing design and bid materials for 2 dedicated monitoring wells:
 - RMW-WWVB-009: Replacement well on same parcel.
 - RMW-WWVB-005/RMW-WWVB-007: Replacement well in vicinity.
- DWR grant manager must:
 - Review design prior to soliciting bids
 - Review CEQA documentation & provide concurrence determination prior to construction



Cognitive dissonance [noun] 1: the state of having inconsistent thoughts, beliefs, or attitudes 2: the State of California's salmon management policy

Written by [Paul S. Weiland](#) Posted on [November 3, 2023](#)

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The State of California has committed to a policy of protecting wild runs of its Chinook salmon. It's reflected in both State law, in the Delta Reform Act, and in State policy, including the State Board's *Bay-Delta Water Quality Control Plan* and Delta Stewardship Council's *Delta Plan*. The State implements salmon policy by imposing considerable restrictions on the agencies that supply water to residents, businesses, and farmers across much of California at a cost that runs into the hundreds of millions of dollars annually. Yet this year returns of wild spring-run Chinook salmon from the ocean were vanishingly small. [State officials report](#) that fewer than 25 returning adults were recorded in two of the three remaining upper Central Valley streams that feed the Sacramento River and still support independent spring-run Chinook populations.

How could this happen? There is no single explanation. But ironically, certain elements on the State's salmon-management agenda appear to be leading causes of harm to wild runs of Chinook. Those policies could push one or more of those wild runs past the brink of extinction. Just weeks before announcing the dire situation faced by wild spring-run Chinook salmon, the California Department of Fish and Wildlife sent out [a press release](#) announcing that the agency had released 23 million hatchery-bred fall-run salmon. Those hatchery salmon will compete with wild salmon for waning natural resources and habitat. And, when they return to spawn, they will have adverse effects on the fitness of wild salmon — decreasing their ability to spawn and rear successfully in the natural environment.

Most hatcheries nationally have developed hatchery genetic management plans, HGMPs, to address some of the harmful effects that hatchery fish can have on their wild counterparts. And many hatchery operators in other states have approached the federal wildlife agencies to secure authorization to operate their facilities consistent with the federal Endangered Species Act. The California Department of Fish and Wildlife has done neither. Instead, they

are swamping ocean and freshwater habitats with hatchery fall-run Chinook salmon at a time when wild spring-run and winter-run Chinook salmon are at immediate risk of extinction.

California state policy authorizing the Chinook salmon ocean fishery likewise has been harming wild Chinook salmon. The commercial and recreational fishing is intended to target hatchery fall-run Chinook salmon produced at federal and state hatcheries. But fishermen cannot distinguish between hatchery Chinook salmon and those protected under the federal and California Endangered Species Acts. As a consequence, protected wild spring-run and winter-run Chinook salmon are harvested for all intents and purposes as bycatch. Elsewhere north along the Pacific Coast, regulators and hatchery operators have sought to mitigate this impact by clipping a fin on each hatchery fish to be released, which allows harvesters to easily differentiate between hatchery and wild fish, and then return the wild fish to the ocean. California hatcheries do not do so.

Rates of Chinook salmon ocean harvest – referred to as fishery exploitation rates – in fisheries to the north of California are substantially lesser than the rate of salmon harvest off of California. Spring-run salmon from Oregon’s Willamette River and spring-run from Alaska’s rivers were exploited by ocean fisheries last year at 10 and 30 percent, respectively. In contrast, California’s 2022 ocean fisheries caught an estimated 75 percent of would-be fall-run spawners. This is well above any other Chinook salmon ocean fishery on the West Coast. That intense fishing pressure is not limited to hatchery fish, of course; rather, it leads to greater impacts on wild Chinook salmon too. The consequences for ESA-listed Chinook salmon are not well monitored, but available information suggests that California’s fishery management regime is out-of-step with the scale of its impacts on California’s increasingly imperiled wild salmon.

State policy adopted by the California Fish and Game Commission is harming wild Chinook salmon populations as well. The Commission adopts sport-fishing regulations to limit fishing for non-native striped bass and black bass in an effort to increase the populations of these two voracious predators. The two bass species frequently prey on juvenile wild Chinook salmon. Both the National Marine Fisheries Service and stakeholder advocates for greater

protections for salmon have pleaded with the Fish and Game Commission to rescind limits on striped bass sport-fishing in order to contribute to the protection of wild Chinook salmon. The Commission has denied those requests despite the fact that the rate of survival of juvenile wild Chinook salmon during their migration to and through the Sacramento-San Joaquin Delta is less than five percent, and in-river predation by striped bass certainly is responsible for a significant proportion of those excessive losses. And on top of that, sport-fishing interests have petitioned for and are currently advocating for further limits on striped bass harvest for the express purpose of increasing the population of that non-native predator. Unfortunately, the California Department of Fish and Wildlife has failed to recommend that the Commission reject that petition.

As currently being implemented, California salmon-management policy is contradictory and indefensible. Significant resources are being expended on actions that both and harm our state's wild Chinook salmon runs. Current hatchery operations, ocean salmon fishery practices, and non-native predatory fish regulations all undermine the goals established by State law intended to enhance natural production of salmon. Governor Newsom has an opportunity to align State policy and benefit our salmon now and into the future. His actions need not shut down the State's salmon hatcheries, nor shutter the salmon fishery, nor eliminate the regulation of striped bass and black bass fishing. But thoughtful policy changes in each of those areas could readily lead to a more coherent, consistent, and rational salmon-management policy. Surely that is not too much to ask for.

Resource optimization enhances the efficiency and effectiveness of wildlife management and conservation efforts

Written by [Paul S. Weiland](#) Posted on [December 21, 2023](#)

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Over the past several decades, the federal government has sought to formulate and implement public policy across sectors ranging from health care to consumer safety to the environment in a manner that optimizes the use of available resources. Yet public policy with respect to conservation of threatened and endangered species as implemented by the National Marine Fisheries Service and U.S. Fish and Wildlife Service has, to a substantial degree, disregarded the use of resource optimization to inform decision-making. The time is ripe for those agencies to integrate resource optimization into endangered species policy. Doing so has the potential to improve conservation outcomes that result from societal investments in Endangered Species Act (ESA) compliance.

Resource optimization is the allocation of finite resources in the most efficient manner possible. In the context of wildlife management, it is a structured process to select a management action from among alternatives available intended to result in the most efficient allocation of resources to achieve a specified objective. Prominent scientists, including Byron Williams and James Nichols (2014) and Carl Walters and Ray Hilborn (1978), have laid the groundwork for agency decision-making informed by resource optimization.

The National Marine Fisheries Service and U.S. Fish and Wildlife Service largely have resisted the use of structured decision-making informed by tools such as resource optimization. That resistance can be traced to the Supreme Court's 1978 decision in *TVA v. Hill*. In that case, the Court was asked to

enjoin completion of the Tellico Dam on the Little Tennessee River because of concern the dam could lead to the extinction of the snail darter, a fish species listed as endangered under the ESA in 1975. The Court opined “[t]he plain intent of Congress in enacting this statute was to halt and reverse the trend toward species extinction, whatever the cost.” That moment in time was the high-water mark for the environmental movement in the United States because of the Court’s interpretation of the ESA as placing species protection above all other societal priorities.

Though *TVA v. Hill* remains widely cited by environmental advocates to this day, Congress was swift to respond to the Court’s interpretation of the ESA by both amending the Act to allow for balancing costs and benefits, and to specifically exempt the Tellico Dam from the ESA, thereby paving the way for its construction and operations. In 1978, Congress amended the ESA to provide for the development of “reasonable and prudent measures” to minimize the impact of harm to listed species where a federal action was not likely to jeopardize the continued existence of protected species and “reasonable and prudent alternatives” where a federal action was likely to jeopardize the continued existence of protected species. The term “reasonable and prudent” was plainly intended to respond to the Supreme Court by injecting economic considerations into the decision-making process. Nonetheless, in the decades since Congress amended the ESA in response to *TVA v. Hill*, the federal wildlife agencies routinely have relied on a broadly conceived presumption in favor of protected species during the decision-making process that rest upon that decision. And they have generally eschewed efforts to inject considerations of costs and efficiency into the decision-making process.

As explained in a [previous post](#), earlier this year in *Maine Lobstermen’s Association v. National Marine Fisheries Service*, the United States Court of Appeals for the D.C. Circuit held that a presumption in favor of the species is inconsistent with the ESA and its implementing regulations, has the potential

to distort decision-making, therefore is unlawful. That decision, together with the unanimous decision of the Supreme Court in *Bennett v. Spear* (1997), opining that the paired objectives of the ESA are species preservation *and* avoidance of needless economic dislocation, confirm that there are both legal bases and policy grounds for the federal resource agencies to employ resource optimization to inform their decision-making under the ESA. But before this can occur, the National Marine Fisheries Service and U.S. Fish and Wildlife Service must recognize the value of incorporating resource optimization into decision-making.

Resource optimization has the potential to contribute to conservation of ESA protected species. As Dr. Michael Runge, a research ecologist with the U.S. Geological Survey observed “[i]n the face of limited resources cost-effective investment is prudent and responsible” (Runge 2021). Further, the federal wildlife agencies can draw from a rich literature as they work to integrate these approaches into their own structured decision-making practices. Drs. Byron Williams and James Nichols identify four basic elements of resource optimization that the wildlife agencies should embrace.

1. Identify alternative actions (or decision options). “The options might focus on resource exploitation, as in harvest rates or amounts; or resource enhancement, as in stocking rates or amounts; or restrictions on certain uses of a resource for recreation or economic production; or any combination of these and other actions that could be taken to influence resource outputs and conditions.”
2. Identify utilities associated with each action. “The utilities may be based on the costs of material and energy inputs, or the output of waste products, or the economic benefits of valuable outputs, or ecological features of the system, or aggregates of these and other attributes.”
3. Specify the objective(s) to allow for aggregation of utilities. “Objectives often are expressed in terms of minimizing costs, or maximizing

benefits, or maximizing benefits net of costs, or other forms that can be linked to the aggregation of utilities.”

4. Conduct an accounting of the effects of implementing the action that is selected. “The potential consequences of a decision might be immediate, as in harvest that reduces the size of a population, or longer term, as in the effect a decision has on moving a population toward some desired population status (e.g., decisions aimed at achieving a targeted resource state in minimal time).”

Embedded in each of these elements are sub-elements, and each must be addressed through a step-down structured process to realize the benefits of the optimization effort.

In practice, introducing resource optimization into the decision-making process can be challenging. One challenge is to compare utilities, or costs and benefits, using a common currency where those utilities are varied. This is a challenge because utilities are not always fungible. For example, it is difficult to compare the utility of making 10,000 acre-feet of water available for consumptive purposes with, say, the utility of a percentage increase in juvenile salmon survival through a certain reach of a river. A second challenge is that there may be uncertainty – even high uncertainty – attached to certain utilities. This makes the optimization exercise more complex. For example, a given management action may be anticipated to increase survival of steelhead by 10 percent, but the confidence interval around that percentage estimate may be plus or minus 5 percent. A third challenge is that decision-making in the resource management context often is dynamic with resource conditions constantly changing, including in response to prior management actions taken. This makes efforts to model and predict wildlife and fish responses to management actions difficult.

That all said, resource managers must make a choice to either default to intuition or integrate resource optimization into decision-making. While the

former is the easier path in the near-term, the latter can be expected to yield better conservation outcomes and husband societal resources over time. And by incorporating best practices such as structured decision-making and independent scientific review the Services can maximize the likelihood of achieving resource optimization.

References

MC Runge. 2021. *Navigating the Science-Policy Interface*. Pages 391-416 in D Baur and Y Li eds. *Endangered Species Act: Law, Policy, and Perspectives*. ABA Book Publishing.

C Walters and R Hilborn. 1978. *Ecological Optimization and Adaptive Management*. *Annual Reviews of Ecology and Systematics* 9:157-188.

BK Williams and JD Nichols. 2014. *Optimization in Natural Resources Conservation*. Chapter 4, pages 45-65 in G Guntenspergen ed. *Application of Threshold Concepts in Natural Resource Decision Making*. Springer.

**Regular Meeting of the Board of Directors of
South Valley Water Resources Authority
Agenda**

Kern Water Bank Authority Office
1620 Mill Rock Way, Suite 500
Bakersfield, CA, 93311

January 25th, 2023, at 10:00 am

Call to Order

- 1. Public Input**—This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee members any matter not on the agenda and over which the Committee has jurisdiction, provided no action shall be taken on any such matter unless otherwise provided.
- 2. Minutes**
Approval of minutes of 12/15/23 regular board meeting
- 3. Determine Time and Location for February Meeting**
- 4. Directors Forum** – discussion only, no action
 - a. SGMA
 - b. SWP & KCWA
 - c. Kern River
 - d. Other
- 5. New Business for Consideration at Future Meetings and Announcements**
- 6. Adjournment**

**South Valley Water Resources Authority
Meeting Minutes, December 15th, 2023
Convened at Hamilton Resource Economics,
7718 Davin Park Drive, Bakersfield, CA, 93308**

Members Participating:

Jason Gianquinto (SWSD), David Ansolabehere (CWD), Mark Gilkey (BMWD, BWSD, LHWD, DRWD), Trent Taylor (RRBWSD), Sheridan Nicholas (WRMWSD), Greg Hammett (WKWD)

Other Attendees:

Scott Hamilton (Hamilton Resource Economics), Steve Torigiani (Young Wooldridge) by phone, Rick Iger & Ken Bonesteel by phone

Call to Order at 3:00 pm by Director Gianquinto, Chairperson.

- 1. Public Input**—There was none.
- 2. Approval of Previous Minutes**
Motion to approve regular board meeting minutes of 11/17/23
Motion: Director Ansolabehere
Second: Director Taylor
Passed: All voting yes
- 3. Directors' Forum**
There was discussion regarding the DCP and the need for updated information.
- 4. New Business for Consideration at Future Meetings and Announcements.**
There was none.
- 5. Adjournment**
The meeting was adjourned by the chairman at approximately 3:42 pm.

**Project Management Committee (Special Activity Agreement #1)
of South Valley Water Resources Authority**

**Fish Friendly Diversion Project
Agenda**

Kern Water Bank Authority Office
1620 Mill Rock Way, Suite 500
Bakersfield, CA, 93311

January 25th, 2024, at 10:05 am

Call to Order

- 1. Public Input**—This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Committee members any matter not on the agenda and over which the Committee has jurisdiction, provided no action shall be taken on any such matter unless otherwise provided.
- 2. Minutes**
Approval of committee meeting minutes of 12/15/23
- 3. Financial Reports**
 - a. Presentation of financial reports.
 - b. Accounts payable.
 - c. Hamilton Resource Economics (HRE) Consulting Services Agreement
 1. Review HRE contract and recommended rate adjustment
 2. Consider HRE contract rate adjustment
- 4. Fish Friendly Diversion Project**
Project updates
- 5. Water Blueprint for the San Joaquin Valley**
Update
- 6. Collaborative Action Plan for the San Joaquin Valley**
- 7. USBR SJR Valley Plan**
Update
- 8. New Business for Consideration at Future Meetings and Announcements**
- 9. Adjournment**

**Project Management Committee (Special Activity Agreement #1)
Fish Friendly Diversion Feasibility Study
Meeting Minutes, December 15th, 2023
Convened at Hamilton Resource Economics,
7718 Davin Park Drive, Bakersfield, CA, 93308**

Members Participating:

Jason Gianquinto (SWSD), David Ansolabehere (CWD), Mark Gilkey (BMWD, BWSD, LHWD, DRWD), Trent Taylor (RRBWSD), Sheridan Nicholas (WRMWSD), Greg Hammett (WKWD)

Other Attendees:

Scott Hamilton (Hamilton Resource Economics), Steve Torigiani (Young Wooldridge), Rick Iger & Ken Bonesteel by phone

Call to Order at 3:42 pm by Director Gianquinto, Chairperson.

1. Public Input—There was none.

2. Approval of Previous Minutes

Motion to approve committee meeting minutes of 11/17/23

Motion: Director Taylor

Second: Director Hammett

Passed: All voting yes

3. Financial Reports

Scott Hamilton presented the Treasurer's report.

Motion to approve the Treasurer's Report and pay the invoices.

Motion: Director Hammett

Second: Director Ansolabehere

Passed: All voting yes.

4. Fish Friendly Diversion Pilot Project Updates

Scott Hamilton requested the Board approve contract amendments with Provost and Pritchard for \$7,000 to revise the preliminary designs for the demonstration project and with Environmental Science Associates for \$10,000 to provide ongoing consulting on permitting and approval processes.

Motion to approve request

Motion: Director Ansolabehere

Second: Director Taylor

Passed: All voting yes.

5. Water Blueprint for the San Joaquin Valley

Scott Hamilton reported on improvements in management of Blueprint finances.

6. Collaborative Action Plan for the San Joaquin Valley

Scott Hamilton reported that the CAP is continuing productive work on several fronts

through its respective work groups and CAPs desire to provide written support for a water-climate change Bond.

7. USBR SJR Valley Plan

Scott Hamilton reported that work had commenced on calculating water available for recharge in the San Joaquin Valley.

8. New Business for Consideration at Future Meetings and Announcements.

There was none.

9. Adjournment

The meeting was adjourned by the chairman at approximately 4:30 pm.

WATER SUMMIT

Water Summit Agenda & Ticket Registration

Thursday, March 7th
6:30am-2pm

6:30 am	Check In/ Breakfast/ Vendor Showcase
7:30 am	Opening Remarks <input checked="" type="checkbox"/> Jenny Holtermann, WAKC Executive Director <input checked="" type="checkbox"/> Jason Giannelli, WAKC President
7:40 am	Federal Water & Infrastructure <input checked="" type="checkbox"/> Ernest Conant, USBR
8:00 am	Infrastructure Road Blocks <input checked="" type="checkbox"/> Charles Gardner, Hallmark Group <input checked="" type="checkbox"/> Melissa Hurtado, California Senator <input checked="" type="checkbox"/> Johnny Amaral, Friant Water Authority
9:00 am	Nitrate Control Programs <input checked="" type="checkbox"/> Parry Klassen, Valley Water Collaborative
9:20 am	Break/ Vendor Showcase
9:45 am	Water Regulation & Legislation and it's impacts to Kern County <input checked="" type="checkbox"/> Jim Damien, Kern County Economic Development <input checked="" type="checkbox"/> Chelsea Haines, ACWA <input checked="" type="checkbox"/> Edward Ring, California Policy Center
10:45 am	Water Banking where and how has it made an impact <input checked="" type="checkbox"/> Jon Parker, Kern Water Bank Authority <input checked="" type="checkbox"/> Matt Knudsen, AVEK <input checked="" type="checkbox"/> Jeff Fabbri, Illume Ag <input checked="" type="checkbox"/> Eric Averett, Atlas LLC
11:45 am	Dee Dee D'Adamo Vice-Chair California Water Resources Control Board
12:30 pm	Lunch/ Vendor Showcase
1:15 pm	SGMA what are we doing different this time around? <input checked="" type="checkbox"/> Kristin Pittack, RinCon <input checked="" type="checkbox"/> Stephanie Hasting, Brownstein <input checked="" type="checkbox"/> Anona Dutton, EKI Environment & Water

speakers and topics subject to change

Ticket Registration

WAKC Members: \$115/ person	Non Members: \$150/ person <small>attendees who purchase member tickets, but are not members, will be invoiced the balance</small>	Reserved Table of Eight: \$1,000 <small>logo must be emailed to include on table</small>
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for online tickets visit www.wakc.com
NO EVENT DAY TICKET SALES

REGISTRATION DEADLINE: FEBRUARY 22nd, 2024

Company Name _____ Contact Person _____
Contact Phone _____ Contact Email _____

Please mail this form to Water Association of Kern County, P.O. Box 2165, Bakersfield, Ca 93303 or email jenny@wakc.com

WATER SUMMIT

Water Summit Agenda & Ticket Registration

**Thursday, March 7th
6:30am-2pm**

6:30 am	Check In/ Breakfast/ Vendor Showcase
7:30 am	Opening Remarks <input checked="" type="checkbox"/> Jenny Holtermann, WAKC Executive Director <input checked="" type="checkbox"/> Jason Giannelli, WAKC President
7:40 am	Federal Water & Infrastructure <input checked="" type="checkbox"/> Ernest Conant, USBR
8:00 am	Infrastructure Road Blocks <input checked="" type="checkbox"/> Charles Gardner, Hallmark Group <input checked="" type="checkbox"/> Melissa Hurtado, California Senator <input checked="" type="checkbox"/> Johnny Amaral, Friant Water Authority
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