

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

Wednesday, January 10, 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*

9:00 **Open Session** Pledge of Allegiance

3. **Attorney's Report** **Torigiani** (5 mins)

1. Legislative, Executive, Regulatory, and Legal Matters

4. **Minutes**

* 1. Approval of Minutes of the Regular Board Meeting December 13, 2023 **Atkinson** (2 mins)

5. **Financial Reports**

- * 1. Filing of Treasurer's Report **Mettler** (5 mins)
- * 2. Approve Payment of Accounts Payable **Mettler** (5 mins)
- 2.1 Director Compensation and Expense **Mettler** (2 mins)
- * 3. Approval of Annual Investment Policy – **Resolution Required** **Smith** (2 mins)

6. **Controller's Report**

1. Delinquent Accounts Report for 2023 **Smith** (10 mins)

2. Budget Expenditures Report for November 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. Approval of KCWA Indemnification Agreement
 - * c. General Authorization for Water Purchases
 - d. Other Purchases/Exchanges
 - * 3. Interim District Policy for Landowner Recharge and GWSC *Nicholas* (15 mins)
 - * 4. Commendation and Expression of Appreciation for Michael Pilatti *Nicholas* (10 mins)
 - * 5. 2024 Mobile Lab Irrigation Lab Funding and 2023 Report *Nicholas* (10 mins)
 6. State Water Project / Delta Conveyance Project *Nicholas* (5 mins)
 - a. State Water Contractors Annual Science Report
 7. Sites Reservoir *Kunde* (10 mins)
 - * a. Adjustments to Grower Participation Levels
 8. WRMGSA
 - a. Projects & Management Actions Committee Report *Nicholas* (5 mins)
 - * b. Approval of Todd Groundwater's Proposal for Preparation of WY 2023 Kern Subbasin Annual Report *Nicholas* (5 mins)
 - * c. Approval of GEI Consultants' Task Order for 2024 Kern Subbasin Data Management System *Nicholas* (5 mins)
 - * d. Approval of Amendment to Rincon Consultants, Inc.'s Contract Agreement for Kern County SGMA Plan Manager Support *Nicholas* (5 mins)
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 *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

January 6, 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., December 13, 2023**

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 December 13, 2023, 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, Marin, Mettler, Reiter, Richardson, Valpredo.

Directors Absent. Lyda.

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

Others Present at 9:37 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, Trey Irwin with Tejon Ranch, Peter Nelson with WNO, David James and Michael Linton with Vulcan Materials, and Leta Spencer with Silvertip.

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)*
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. *Rosedale-Rio Bravo Water Storage District v. Kern County Water Agency, et al., Kern County Superior Court, Case No. BCV-21-100418*
4. *KWBA, et al. v. Kern LAFCo, et al., Kern County Sup. Ct., Case No. BCV-21-101310-GP*

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

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6. *Two Potential Cases*

Conference with Real Property Negotiator: (Govt. Code § 54956.8):

7. *District's Designated Representative: Engineer-Manager*
 1. *Under Negotiation: Price and Terms of Payments*
Property: Energy Storage System Facilities
Negotiation With: WhitePine Renewables

9:34 A.M. Open Session. Mr. Torigiani stated there was no reportable action taken in closed session.

Legislative Matters. Mr. Torigiani noted that there was nothing to report as the legislative session has concluded, but he did expect additional water right reform legislation to be considered by the Legislature in the future.

Minutes. Upon motion from Director Fry, seconded by Director Richardson and unanimously carried with no abstentions, *The Minutes of the Regular Board Meeting of Directors ... Convened November 8,*

2023, *The Minutes of the Special Board Meeting of Directors ... Convened December 7, 2023* were approved and filed.

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

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

Delinquent Accounts Report for November 2023. Mr. Smith reported that the District still has one landowner who is delinquent and stated that staff has been in constant contact with them. The District is hopeful that a payment will be made next week, but if not the District has taken steps to do a public sale of the property on January 31, 2024.

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

President's Report. Nothing to report.

Engineer-Manager's Report. Mr. Nicholas reported that the District's Wheeler #1 solar project was now operational; Mr. Nicholas announced the retirement of Michael Pilatti, who has served the District for 20 years in the Pump/Electrical Department.

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

2023 Water/Supply Demand Estimate. Mr. McDaris reviewed the 2023 Water/Supply Demand Estimate.

Discussion of 2024 Carryover. Mr. McDaris reviewed his December 11, 2023 memorandum to the Board entitled *2024 Carryover and Recharge Activities*. Upon motion from Director Marin, seconded by Director Reiter and unanimously carried with no abstentions the Board directed staff to halt the Kern Fan recharge operations on December 31, 2023, subject to conditions at the time and the discretion of the Engineer-Manager.

Reallocation of Portion of District Banking Supplies. Mr. McDaris reviewed his December 11, 2023 memorandum to the Board entitled *Reallocation of Portion of District Banking Supplies*. Upon motion from Director Marin, seconded by Director Reiter and unanimously carried with no abstentions the Board authorized up to 15,000 acre-feet of previously banked District SWP supplies be made available to Water Users by subscription as an in-ground Sub-Account supply. Water Users will be responsible for all costs associated with banking the supply (including F.O. costs, variable costs, and any Second Priority administration costs) and must have an executed Second Priority Sub-Account Agreement on file with the District to be eligible for this supply. In the event the supply is oversubscribed, it will be allocated to subscribers pro rata.

Other Purchases and Exchanges. Nothing to report.

Consider Approval of Energy Management Service Agreements with Atlas Storage, LLC. Mr. Nicholas reviewed his December 11, 2023 memorandum to the Board entitled *Consider Approval of Energy Management Service Agreements with Atlas Storage, LLC*. Upon motion from Director Fry, seconded by Director Mettler and unanimously carried with no abstentions the Board authorized the Engineer-Manager to execute the Energy Management Services Agreements with Atlas Storage, LLC, subject to final approval of the Engineer-Manager and District Counsel.

Consider Approval of Lease of KCWA Table A Water. Mr. Nicholas reviewed his December 11, 2023 memorandum to the Board entitled *Consider Approval of Lease of KCWA Table A Water*. Upon motion from Director Valpredo, seconded by Director Blaine and unanimously carried with no abstentions the Board authorized the Engineer-Manager to execute the contract between Kern County Water Agency and Wheeler Ridge-Maricopa Water Storage District for Lease of Kern County Water Agency State Water Project Table A water, subject to final approval of District Counsel and the Engineer-Manager.

Appointment of Director and Alternate(s) to Kern Water Bank GSA Board of Directors. Mr. Nicholas reviewed his December 11, 2023 memorandum to the Board entitled *Appointment of Director and Alternate(s) to Kern Water Bank GSA Board of Directors*. Upon motion from Director Blaine, seconded by Director Mettler and unanimously carried with no abstentions the Board appointed Sheridan Nicholas as Director, and Eric McDaris and Dennis Atkinson as alternates, to the Kern Water Bank Groundwater Sustainability Agency Board of Directors.

Consider Bids for 10P Lateral Repair Kit. Mr. Suggs reviewed his December 11, 2023 memorandum to the Board entitled *Consider Bids for 78' Pipe Repair Kit*. Upon motion from Director Richardson, seconded by Director Mettler and unanimously carried with no abstentions the Board a) authorized the Engineer-Manager and District Counsel to attempt to work out agreeable terms with Northwest Pipe Company for the furnishing of a pipe repair kit as detailed in Specification WRM 23-04, and b) authorized the Board President and Secretary to execute a contract with Northwest Pipe Company for said repair kit, subject to approval of Counsel as to form of the final agreement, and provided that the total price is less than \$100,000.

Consider Bids for PVC Pipe. Mr. Suggs reviewed his December 8, 2023 memorandum to the Board entitled *Consider Bids for PVC Pipe*. Upon motion from Director Richardson, seconded by Director Fry and unanimously carried with no abstentions the Board rejected all bids received and to readvertise at a later date.

State Water Project/Delta Conveyance Project. Mr. Nicholas reported that there were three documents regarding DWR's release of the final Environmental Impact Report for the Delta Conveyance Project in the packet for self review.

Sites Reservoir. Mr. Kunde reviewed his December 11, 2023 memorandum to the Board entitled *Sites Reservoir - November 17, 2023 Authority Board Actions Related to Adoption of Final Environmental Impact Report by Resolution 2023-02*.

WRMGSA - Projects and Management Actions Committee Report. Mr. Nicholas reported on the meeting, referencing the information included in the minutes of the Special Board meeting of December 7, 2023.

Directors Meeting Attended. Nothing to report.

Kern County Water Agency. Mr. McDaris reported that the Agency had approved the District's deferral of a portion of its 2024 initial payment to the KCWA.

Kern Water Bank. Mr. Nicholas noted that two meetings of the KWB had occurred since the November meeting, and reported the KWB approved: applying for a net energy metering agreement as power costs continue to increase, adding an additional employee, and an administrative services agreement with KWBGSA.

South of Kern River GSP. Mr. Nicholas reported that the Executive Committee was meeting with the State Board today, and that they were actively working on trying to avoid a probationary hearing.

White Wolf Groundwater Sustainability Agency. No meeting.

Kern River Watershed Coalition Authority. No meeting.

Committee for Delta Reliability. Mr. Nicholas reported the CDR held a meeting for at the Marriott on November 16 to provide an update on the latest work of the CDR.

South Valley Water Resource Authority. Mr. Nicholas reported the Authority updated its cost estimate for the Fish Friendly Diversion Project.

Unfinished and New Business. Mr. Nicholas announced that biannual Ethics training would need to be renewed in 2024.

Public Comments. None.

Adjournment. With no further business the meeting was adjourned at 10:47 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, benefitting 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
IRWMMP	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
WRMWSD	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

**WHEELER RIDGE - MARICOPA WATER STORAGE DISTRICT
TREASURER'S REPORT FOR THE MONTH OF DECEMBER 2023**

01/10/2024 - packet
GENERAL FUND

FUNDS ON DEPOSIT:

BALANCE AS OF:	11/30/2023	67,602,739.18
PLUS CASH RECEIVED FOR: (cash receipts/laif/camp interest)	12/2023	1,141,225.77
LESS CASH EXPENDED DURING MONTH FOR:	12/2023	(24,887,244.83)
(kcwa, nov, pr, ap, cdr, mnl, fees - dec pr burdens, ee net, taxes, inv)		

FUNDS ON RECONCILED DEPOSIT AT END OF MONTH:

43,856,720.12

THE ABOVE FUNDS ARE ON DEPOSIT AS FOLLOWS:

WELLS FARGO BANK NA - (GL) CASH BALANCE	254,459.90
KCT-POOLED INVESTMENTS - (G/L) CASH BALANCE	8,273,953.96
LAIF-POOLED INVESTMENTS - (GL) CASH BALANCE	1,970.48
CAMP-POOLED INVESTMENTS - (GL) CASH BALANCE	35,326,335.78

43,856,720.12

INTEREST APPORTIONMENT PERCENTAGE (ANNUALIZED)

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

INTEREST APPORTIONMENT PERCENTAGE (ANNUALIZED)

QUARTER ENDING SEP 30,2023	-----	KCT	2.909%
QUARTER ENDING JUN 30,2023	-----		2.650%
QUARTER ENDING MAR 31,2023	-----		2.417%
QUARTER ENDING DEC 31,2022	-----		2.156%

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	15,409.97
CONTRACT WATER PAYMENTS	215,623.59
NON CONTRACT OM&R PAYMENTS	33,383.15
SPECIAL SERVICE CHARGES ADMINISTRATION - kc auditor/controller	313,295.73
SPECIAL SERVICE CHARGES GENERAL - kc auditor/controller	17,322.83
INVESTMENT TAX CREDIT - cvi renewables dvco holdings...	380,000.00
SUBSIDENCE REFUND - kern groundwater authority	390.84
CAMP - interest december	165,799.66

Cash Receipts Summary for KCT & CAMP

1,141,225.77

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

1/10/2024 Board Packet

INTERNALLY CONSTRAINED RESERVES	DRAFT AUDIT <u>12/31/2022</u>	2023/2024 Adjustments		Adjusted <u>1/4/2024</u>
OPERATING RESERVE FUND	23,391,974	(19,558,087)	(1)	3,833,887
EQUIPMENT REPLACEMENT RESERVE FUND	3,430,967			3,430,967
GROUND WATER REPLENISHMENT RESERVE FUND	38,576,115			38,576,115
CONTINGENCY RESERVE FUND	10,953,195	(914,191) (197,088)	(2) (3)	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	(4) (5) (6)	255,023
WELL REPAIR RESERVE	548,286	(834,171)	(7)	(285,885)

TOTAL RESERVE FUNDS INTERNALLY CONSTRAINED	81,191,810	(21,259,111)		59,932,699
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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	21,259,111		32,999,369
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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) CalPERS - UAL (refund in 2024 with OM&R/SSC charges)
- (3) CDR 2023 Assessment
- (4) KWBA 2021 Capital Fee Reconciliation
- (5) KWBA 2021 Operations Distribution
- (6) KWBA 2019 4% Water
- (7) 2023 Well repairs to date

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 ACCOUNTS PAYABLE
 DECEMBER 2023

						5.2
ID	NAME	DATE	INVOICE	AMOUNT	DESCRIPTION	5,000+
B125	ROBERT CLAFFY	12/31/2023	12312023	25.00	DEC. WATER TREATMENT	
B125	ROBERT CLAFFY	12/31/2023	12312023-1	50.00	OPERATOR CERT. - 4TH QTR 2023	
B125	ROBERT CLAFFY	1/7/2024	1072024	179.70	REIMBURSEMENT - BOOTS	
B135	NEIL DURHAM	12/31/2023	12312023	50.00	WATER TREATMENT - 4TH QTR 2023	
B136	MARK DELEON	12/31/2023	12312023	373.35	TRANSPORTATION	
B137	KEVIN EATON	12/31/2023	12312023	176.85	TRANSPORTATION	
B207	CHRISTOPHER NICHOLAS	12/31/2023	12312023	219.20	REIMBURSEMENT - BOOTS	
B211	ADRIAN MARTINEZ	12/31/2023	12312023	334.05	TRANSPORTATION	
B214	KELLY MIELKE	12/31/2023	12312023	235.80	TRANSPORTATION	
B222	ANGIE MONTES	12/13/2023	12132023	95.00	FOOD - BOARD MEETING	
B288	THOMAS SUGGS	11/29/2023	11292023	16.49	REIMBURSEMENT - MEALS	
B301	COREY WILKERSON	12/31/2023	12312023	25.00	SAFETY MEETING - DEC. 2023	
B301	COREY WILKERSON	12/31/2023	12312023-1	50.00	SAFETY DIRECTOR - 4TH QTR 2023	
C1050	ACWA JPIA	12/31/2023	12312023	39,388.97	WORKERS COMPENSATION - 4TH QTR	39,388.97
C1064	AFTW HOLDINGS, LLC	12/29/2023	"AFTW"11-2023	55,793.10	WHEELER #1 SOLAR CHARGES	55,793.10
C1116	APEX INDUSTRIAL SUPPLY INC.	12/11/2023	5055	1,659.54	EAR PLUGS/SPRAY PAINT/PACKING	
C1116	APEX INDUSTRIAL SUPPLY INC.	12/27/2023	5079	609.19	GLOVES/CUTTING WHEELS	
C1116	APEX INDUSTRIAL SUPPLY INC.	1/5/2024	5084	909.39	GASKETS/ELECTRICAL TAPE	
C1192	AVADINE	1/1/2024	112811	1,000.00	LATIS - MAINTENANCE/SUPPORT	
C1192	AVADINE	1/4/2024	112840	120,750.00	5 SYSTEM SCADA PROJECT	121,750.00
C1247	BAKERSFIELD ICE	12/31/2023	33410	212.38	RENTAL/ICE	
C1272	B & B SURPLUS INC	12/19/2023	1111840	1,685.29	FLANGES	
C1286	BARBICH HOOPER KING DILL HOFFMAN	11/30/2023	150286	1,230.00	DISCUSS JOB POSITION - ASST CONTROLLER	
C1358	BOOT BARN INC.	12/19/2023	12192023	219.20	BOOTS - HIGHT	
C1358	BOOT BARN INC.	12/10/2023	12102023	141.26	BOOTS - TACKETT	
C1390	JIM BURKE FORD	12/20/2023	1556168	292.75	SENSOR #136	
C1407	BUTTE COUNTY TREASURER	12/20/2023	12202023	366,587.29	JUL-DEC 2023 - 4,323.61 AF	366,587.29
C1431	CAL LOWBED SERVICE	12/20/2023	20173815	654.00	MOVE #790 TO 850 CANAL	
C1433	CAL STATE COMMUNICATIONS	1/4/2024	01042024	1,346.18	50% DEPOSIT - SECURITY SYSTEM	
C1433	CAL STATE COMMUNICATIONS	12/21/2023	1664	841.28	TROUBLESHOOT FIBER	
C1442	CA. DEPT OF TAX AND FEE ADM.	1/3/2024	01032024	137.00	OCT-DEC 23 DIESEL REPORT	
C1530	COASTLINE EQUIPMENT	12/15/2023	1084436	1,461.54	ELEMENTS/AIR FILTERS	
C1583	CONSUMERS PIPE & SUPPLY CO.	11/29/2023	S1621297.001	45,388.46	3 - 8" VALVES	45,388.46
C1601	CORE & MAIN LP	12/20/2023	U127400	3,361.16	GATE VALVES/COUPLERS	
C1601	CORE & MAIN LP	12/18/2023	U067642	990.49	VALVES	
C1601	CORE & MAIN LP	12/20/2023	U133634	1,840.25	COUPLINGS	
C1601	CORE & MAIN LP	12/13/2023	U063322	3,680.50	2 - 14" COUPLERS	
C1601	CORE & MAIN LP	11/1/2023	T844808	974.25	BUTTERFLY VALVE	
C1601	CORE & MAIN LP	12/4/2024	U003596	(974.25)	RETURN - BUTTERFLY VALVE	9,872.40
C1625	DANIELS TIRE SERVICE	12/20/2023	240172358	2,370.65	TIRES #792	
C1625	DANIELS TIRE SERVICE	12/13/2023	240172197	1,342.79	TIRES #136/STOCK	
C1625	DANIELS TIRE SERVICE	12/21/2023	240172720	203.45	TIRES #136	
C1625	DANIELS TIRE SERVICE	12/28/2023	240172900	777.74	TIRES - STOCK	
C1625	DANIELS TIRE SERVICE	12/13/2023	240172211	905.30	TIRES - STOCK	5,599.93
C1633	DAVID JANES COMPANY	12/14/2023	0424659-IN	290.28	NIPPLES/LATCHES/FLANGES	
C1692	EKI ENVIRONMENT & WATER, INC.	12/13/2023	C20055.02-10	15,589.08	SOUTH OF KERN GSP	
C1692	EKI ENVIRONMENT & WATER, INC.	12/13/2023	C20055.03-06	21,026.98	SOKR GSP DEFICIENCY RESPONSE	36,616.06
C1716	EQUIPMENT SHARE	12/28/2023	3449530-000	3,604.73	3" PUMPS	
C1755	FASTENAL	12/18/2023	CABGV1313	249.47	BOLTS	
C1775	FERGUSON ENTERPRISES, INC.	12/29/2023	1834590	1,815.24	14" COUPLER	
C1775	FERGUSON ENTERPRISES, INC.	11/29/2023	1827614	2,755.45	2 - 36" COUPLERS	
C1775	FERGUSON ENTERPRISES, INC.	12/12/2023	1830168	657.29	VALVES/LIDS	
C1775	FERGUSON ENTERPRISES, INC.	12/13/2023	1830168-1	1,482.54	VALVES	6,710.52
C1815	FLYERS ENERGY, LLC	12/11/2023	23-986598	28,105.34	FUEL	28,105.34
C1955	GOLDEN STATE PETERBILT	12/20/2023	03P174328	11.95	GASKETS	
C1960	GRAINGER	1/5/2024	9953887248	164.08	BATTERIES/CLEANING TISSUES	
C1969	GRAPEVINE MSP	12/15/2024	38828	5,119.50	IT SERVICE/BACKUP/SECURITY	5,119.50
C1992	GREG'S PETROLEUM SERVICE, INC.	12/29/2023	429924	3,060.13	RED DIESEL	
C2022	HADDAD DODGE	12/21/2023	DOCS245415	2,037.54	REPLACE SCREEN #036	
C2106	IGS SOLAR	12/11/2023	2334500066988387	22,034.89	850 CANAL SOLAR CHARGES	22,034.89
C2213	KEN'S OPTICAL	12/20/2023	8041	300.00	SAFETY GLASSES - S. MEADOWS	
C2213	KEN'S OPTICAL	12/6/2023	7951	300.00	SAFETY GLASSES - KELLEY	
C2213	KEN'S OPTICAL	1/3/2024	8089	279.00	SAFETY GLASSES - CHASE	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

ACCOUNTS PAYABLE

DECEMBER 2023

ID	NAME	DATE	INVOICE	AMOUNT	DESCRIPTION	5,000+
C2213	KEN'S OPTICAL	12/1/2023	7922	300.00	SAFETY GLASSES - EATON	
C2213	KEN'S OPTICAL	12/8/2023	7962	284.00	SAFETY GLASSES - HIGHT	
C2330	KNIGHTS PUMPING SERVICE	12/1/2023	184771	206.86	PORTABLE TOILET SERVICE	
C2330	KNIGHTS PUMPING SERVICE	12/22/2023	186735	229.66	PORTABLE TOILET SERVICE	
C2330	KNIGHTS PUMPING SERVICE	12/15/2023	186178	229.66	PORTABLE TOILET SERVICE	
C2330	KNIGHTS PUMPING SERVICE	12/29/2024	187349	206.86	PORTABLE TOILET SERVICE	
C2412	LOWE'S BUSINESS ACCOUNT	1/3/2024	01032024	1,223.19	SUPPLIES	
C2443	QUADIENT LEASING USA, INC.	12/15/2023	Q1109985	604.89	POSTAGE METER LEASE	
C2449	THE MARCOM GROUP	12/15/2023	62679	95.00	WORDPRESS SECURITY MONITORING	
C2449	THE MARCOM GROUP	12/12/2023	62590	450.00	WEB UPDATES	
C2450	MC CALL'S METER SALES AND SERVICE	12/15/2023	36346	5,881.97	BEARINGS/BATTERIES	5,881.97
C2505	MSC INDUSTRIAL SUPPLY CO.	12/5/2023	23853058	373.42	URINAL MATS	
C2505	MSC INDUSTRIAL SUPPLY CO.	12/8/2023	24846278	93.10	WHEELS	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	12/18/2023	683941	143.76	PLUGS	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	11/8/2023	682141	209.53	AIR/OIL FILTERS	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	11/20/2023	682756	90.91	SEAT COVERS	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	12/12/2023	683746	397.32	WIPER BLADES/AIR FILTERS	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	12/21/2023	684171	257.91	WATER PUMP/OIL	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	12/15/2023	683885	13.36	WIPER BLADES	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	12/14/2023	683835	126.59	OIL	
C2552	NAPA AUTO PARTS-GENUINE PARTS CO	1/2/2024	684503	29.21	WATER PUMP/BLISTER PACK	
C2582	QUADIENT	1/2/2024	01022024	250.00	POSTAGE	
C2605	NORTH WEST KERN RESOURCES CONSE	1/3/2024	01032024	5,000.00	MOBILE LAB SUPPORT	5,000.00
C2690	P G & E #1	12/31/2023	12312023	120,269.54	DECEMBER POWER	
C2691	P G & E #2	12/31/2023	12312023	63,618.98	DECEMBER POWER	
C2692	P G & E #3	12/31/2023	12312023	3,215.37	DECEMBER POWER	
C2693	P G & E #4	12/31/2023	12312023	317.01	DECEMBER POWER	
C2694	P G & E #5	12/31/2023	12312023	2,478.43	DECEMBER POWER	189,899.33
C2800	LINDE GAS & EQUIPMENT INC.	12/22/2023	40178323	62.88	NIPPLES/HOSES	
C2800	LINDE GAS & EQUIPMENT INC.	12/22/2023	40133179	1,054.89	DEMURRAGE	
C2812	PROVOST & PRITCHARD	12/11/2023	105694	104.10	MONITORING WELL WORK	
C2829	QUALITY POWDER COATING	1/4/2024	9369	2,354.44	COAT WATER SCREEN PC-1	
C2840	QUINN COMPANY	12/20/2023	PC080532005	271.58	ELEMENTS/FILTERS	
C2890	RAIN FOR RENT - BAKERSFIELD	12/27/2023	1958699	768.67	COUPLERS/ADAPTERS	
C2890	RAIN FOR RENT - BAKERSFIELD	12/27/2023	1958706	117.56	ADAPTERS/COUPLINGS	
C2893	RINGCENTRAL INC.	1/1/2024	CD_000725669	1,289.94	SUBSCRIPTION - PHONES	
C2898	READY REFRESH by NESTLE	12/28/2023	13L0028964179	564.06	DRINKING WATER	
C2924	ROYAL INDUSTRIAL SOLUTIONS	11/2/2024	0332-1085901	337.75	MALE/FEMALE CAPS	
C2924	ROYAL INDUSTRIAL SOLUTIONS	1/5/2024	0332-1090831	593.58	COVER BOXES	
C2924	ROYAL INDUSTRIAL SOLUTIONS	12/25/2024	9010793210	5.06	SERVICE CHARGE	
C3020	INDUSTRIAL SHOEWORKS	12/12/2023	I100-1393541	201.35	BOOTS - UNDERWOOD	
C3074	SGMA COORDINATION COMMITTEE	1/15/2024	01152024	53,181.82	FUNDING REQUEST #4-2	53,181.82
C3082	SPARKLE UNIFORM & LINEN SERVICE	12/21/2023	0952985	626.57	UNIFORMS	
C3082	SPARKLE UNIFORM & LINEN SERVICE	12/28/2023	0953979	617.57	UNIFORMS	
C3082	SPARKLE UNIFORM & LINEN SERVICE	1/4/2024	0954981	641.98	UNIFORMS	
C3100	SMART & FINAL	1/3/2024	375599	52.44	SUPPLIES	
C3100	SMART & FINAL	12/15/2023	509466	45.41	SUPPLIES	
C3100	SMART & FINAL	12/13/2023	485933	81.95	SUPPLIES	
C3100	SMART & FINAL	12/27/2023	330999	88.17	SUPPLIES	
C3100	SMART & FINAL	12/18/2023	918422	8.78	RETIREMENT PARTY - PILATTI	
C3100	SMART & FINAL	12/18/2023	578855	21.96	RETIREMENT PARTY - PILATTI	
C3105	SMITH'S BAKERIES	12/18/2023	1661	117.25	RETIREMENT PARTY - PILATTI	
C3170	SOUTHERN CALIFORNIA GAS CO.	12/26/2024	12262023	982.91	NATURAL GAS	
C3200	STINSON'S	10/1/2023	C 245660-0	(66.83)	RETURN - CALENDARS	
C3200	STINSON'S	10/18/2023	252673-0	325.90	SUPPLIES	
C3200	STINSON'S	1/3/2024	263937-0	637.09	SUPPLIES	
C3253	TECHNOFLO SYSTEMS	11/29/2023	42908	3,861.00	6 - 10" BUTTERFLY VALVES	
C3280	THREE WAY CHEVROLET	12/12/2023	CVCS171682	624.20	REPLACE FUEL CANISTER #140	
C3458	VANGUARD CLEANING SYSTEMS	1/1/2024	73585	1,565.00	WEEKLY CLENIING SERVICE	
C3461	VERIZON WIRELESS	1/1/2024	9953080745	276.28	IPAD DATA	
C3461	VERIZON WIRELESS	1/1/2024	9953080746	136.61	CELL PHONE/SIM CARDS	
C3547	WELLS FARGO - MCDARIS	1/3/2024	1032024	238.14	MOUNT - MONITORS	
C3549	WELLS FARGO - LOVELESS	1/3/2024	1032024	239.34	SUPPLIES	
C3552	WELLS FARGO - OFFICE CARD	1/3/2024	1032024	251.71	SUPPLIES/SUBSCRIPTIONS	
C3555	WELLS FARGO - SUGGS	1/3/2024	1032024	349.95	ADOBE SUBSCRIPTIONS	
C3558	WELLS FARGO - OFFICE CARD TWO	1/3/2024	1032024	1,800.01	SUPPLIES	

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 ACCOUNTS PAYABLE
 DECEMBER 2023

ID	NAME	DATE	INVOICE	AMOUNT	DESCRIPTION	5,000+
C3559	WELLS FARGO - NICHOLAS	1/3/2024	1032024	2,048.98	SUBSCRIPTIONS	
C3562	WELLS FARGO - SMITH	1/3/2024	1032024	458.00	CALCPA	5,386.13
C3588	WESTERN EXTERMINATOR COMPANY	12/15/2023	55386151	225.65	PEST CONTROL	
C3613	WHITE CAP	12/6/2023	10019173217	81.48	KNEELER BOARD	
C3670	YOUNG WOOLDRIDGE	12/31/2023	12312023	24,516.73	LEGAL SERVICES	24,516.73
D10109	GRAPEMAN FARMS	12/31/2023	12312023	96,501.31	2023 CREDIT BALANCE REFUND	96,501.31
D10132A	JIMMIE & MARJORIE ICARDO IRREV.	12/31/2023	12312023	8,679.31	2023 CREDIT BALANCE REFUND	
D10132B	JIMMIE & MARJORIE ICARDO IRREV.	12/31/2023	12312023	8,679.31	2023 CREDIT BALANCE REFUND	
D10132C	JIMMIE & MARJORIE ICARDO IRREV.	12/31/2023	12312023	8,679.32	2023 CREDIT BALANCE REFUND	26,037.94
D10500	WONDERFUL CITRUS	1/4/2024	01042024	141,859.89	2023 CREDIT BALANCE REFUND	141,859.89
			SUBTOTAL	1,339,250.66		
				46.08	MANUAL CHECKS ATTACHED	
			VOUCHER TOTAL	1,339,296.74		

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 MANUAL CHECKS/ACH PAYMENTS
 DECEMBER 2023

						<u>5.2</u>
DEC	NAME	DATE	INVOICE #	AMOUNT	DESCRIPTION	5,000+
19-Dec	UNITED PARCEL SERVICE	12/19/2023	12192023	46.08	SHIPPING	
			grand total	46.08		

**WHEELER RIDGE-MARICOPA WSD
FISCAL AGENT FOR COMMITTEE FOR DELTA RELIABILITY
CUSTODIAL FUNDS-REPORT OF EXPENDITURES AND TRANSFERS
DECEMBER 2023 FOR THE JANUARY 10, 2024 BOARD MEETING**

NAME	INVOICE NUMBER	DESCRIPTION	AMOUNT
TRANSFERS AUTHORIZED BY WRMWSO BOARD			
DECEMBER 13, 2023 BOARD MEETING	DECEMBER	VOUCHER	53,444.07
VOUCHER TOTAL REQUESTED			53,444.07

EXPENDITURES AUTHORIZED BY COMMITTEE AND PAID BY WRMWSO MANUAL CHECK

Cramer Fish Sciences	SIN008189	Science Program - Nov 2023	9,170.00
Nossaman	555569	ESA/Water Quality Counseling - Oct 2023	37,042.54
Water & Land Solutions, LLC	3551	Representation - Oct 2023	1,218.75
West Coast Advisors	13829	Consulting - Dec 2023	5,000.00
West Coast Advisors	13811	Expenses - Oct 2023	1,012.78
TOTAL PAID			53,444.07

INVOICES AWAITING COMMITTEE APPROVAL

INVOICES APPROVED BY WRMWSO BOARD @ JANUARY 10, 2024 BOARD MEETING (VOUCHER)

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
VOUCHER TOTAL REQUEST			124,205.75

Wheeler Ridge-Maricopa Water Storage District
Revolving Account Check Listing

DECEMBER 2023

Check	Date	Payee	Amount	Description
		BALANCE AS OF 11/30/2023	5,988.02	
		Deposit 12/15/2023	1,011.98	
			<u>7,000.00</u>	

No Activity for December 2023

Total Checks Issued	0.00
Ending Balance	<u>7,000.00</u>
Balance Limit	<u>7,000.00</u>
Replenish Amount	<u>0.00</u>

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BOARD OF DIRECTORS/MANAGEMENT **BENEFITS** BREAKDOWN
 December 2023 FOR THE January 10, 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	1,468.68	17.21	9.77	***	18.15	0.00	***
BLAINE	1,946.00	17.21	5.50	***	18.15	0.00	***
FRY	1,946.00	17.21	4.30	***	18.15	0.00	***
LYDA	1,468.68	17.21	9.50	***	18.15	0.00	***
MARIN	1,946.00	17.21	5.50	***	18.15	0.00	***
METTLER	1,631.87	17.21	5.50	***	18.15	0.00	***
REITER	734.34	17.21	3.60	***	18.15	0.00	***
RICHARDSON	1,946.00	17.21	2.80	***	18.15	0.00	***
VALPREDO	1,946.00	17.21	4.30	***	18.15	0.00	***
LOVELESS	1,946.00	17.21	26.00	***	18.15	74.64	***
MCDARIS	1,468.68	17.21	12.50	***	18.15	74.64	***
NICHOLAS	1,946.00	17.21	26.00	***	18.15	74.64	***
SMITH	1,946.00	17.21	78.50	***	18.15	74.64	***
SUGGS	1,946.00	17.21	78.50	***	18.15	74.64	***
<div style="display: flex; justify-content: space-between;"> 24,286.25 240.94 272.27 192.00 254.10 373.20 </div>							
TOTAL						BENEFITS	25,618.76

*** 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
 DECEMBER 2023 for the JANUARY 10, 2024 BOARD**

NAME	DATE	TOTAL	PAYEE	MEMO
Atkinson	12/13/2023	129.00	Atkinson	Regular Board Meeting
Atkinson	11/08/2023	100.00	Wells Fargo	Water Association of Kern County Annual Meeting
Blaine	12/13/2023	128.00	Blaine	Regular Board Meeting
Blaine	12/07/2023	128.00	Blaine	P/MA Committee Meeting
Blaine	12/18/2023	125.00	Blaine	SOKR Executive Committee Meeting
Fry	12/13/2023	125.00	Fry	Regular Board Meeting
Fry	12/07/2023	125.00	Fry	P/MA Committee Meeting
Lyda	12/07/2023	129.00	Lyda	P/MA Committee Meeting
Marin	12/13/2023	125.00	Marin	Regular Board Meeting
Marin	12/07/2023	125.00	Marin	P/MA Committee Meeting
Mettler	12/13/2023	128.00	Mettler	Regular Board Meeting
Reiter	12/13/2023	139.00	Reiter	Regular Board Meeting
Richardson	12/13/2023	128.00	Richardson	Regular Board Meeting
Richardson	12/07/2023	128.00	Richardson	P/MA Committee Meeting
Valpredo	12/13/2023	129.00	Valpredo	Regular Board Meeting
Valpredo	12/07/2023	129.00	Valpredo	P/MA Committee Meeting
DIRECTORS		2,020.00		

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BOARD OF DIRECTORS/MANAGEMENT *COMPENSATION & EXPENSE* BREAKDOWN
 DECEMBER 2023 for the JANUARY 10, 2024 BOARD

NAME	DATE	TOTAL	PAYEE	MEMO
Loveless	11/09/2023	6.20	Wells Fargo	Fuel
Loveless	10/18/2023	19.71	Wells Fargo	Supervisor's Meeting - meal
McDaris	11/30/2023	1,082.54	Wells Fargo	2023 ACWA Fall Conference - travel expense
McDaris	11/08/2023	100.00	Wells Fargo	Water Association of Kern County Annual Meeting
Nicholas	12/01/2023	94.47	Verizon	Communication - cell
Nicholas	11/29/2023	1,494.88	Wells Fargo	2023 ACWA Fall Conference - travel expense
Nicholas	11/08/2023	100.00	Wells Fargo	Water Association of Kern County Annual Meeting
Nicholas	10/24/2023	14.63	Wells Fargo	District Business Meeting - meal
Nicholas	10/14/2023	75.00	Wells Fargo	Fuel
Smith				
Suggs	11/29/2023	688.81	Wells Fargo	2023 ACWA Fall Conference - travel expense
Suggs	11/08/2023	100.00	Wells Fargo	Water Association of Kern County Annual Meeting
MANAGEMENT		3,776.24		

Kunde				
<i>*** note: retired annuitant costs are expense reimbursements not compensation</i>				
RETIRED ANNUITANT		0.00		

Board	10/11/2023	60.98	Wells Fargo	Board Meeting - refreshments
Board	11/8/2023	53.78	Wells Fargo	Board Meeting - refreshments
Board	12/13/2024	95.00	Montes	November 08, 2023 Board Meeting - burritos
BOARD		209.76		
TOTAL EXPENSE		6,006.00		

WHEELER RIDGE - MARICOPA WSD
 PAYROLL FUND
 DECEMBER 2023
 JANUARY 10, 2024 BOARD MEETING

	EMPLOYEES	DIRECTORS	RETIREES	COBRA	SUPPLEMENTAL	TOTALS
SALARIES Pay Period Ended: (Dec 09, 2023/ee)-(Nov 30, 2023/dir)	104,628.44	2,985.95				107,614.39
SALARIES Pay Period Ended:	0.00					0.00
SALARIES Pay Period Ended: (December 23, 2023)	104,518.34					104,518.34
PAYROLL PEOPLE Federal, SSI, Medicare Taxes	72,491.45	525.08				73,016.53
PAYROLL PEOPLE State Tax / SDI / SUI	14,260.19	82.23				14,342.42
PERS (EMPLOYEE PORTION) RETIREMENT	23,519.77					23,519.77
PERS (EMPLOYER PORTION) RETIREMENT	38,085.95					38,085.95
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	3,650.00					3,650.00
WRM WSD EMPLOYEES' FUND Employees' Fund Deductions	420.00					420.00
ACWA-HEALTH BENEFITS Medical/Vision Insurance Premium (+cobra)	82,332.08	16,275.11	20,494.37	0.00		119,101.56
ACWA-LIFE/AD&D Life/supplemental Insurance Premium	1,937.11	52.67			37.55	2,027.33
HEALTH EDGE ADMINISTRATORS INC Dental Insurance Administrative Fees (+cobra)	798.60	163.35	453.75	0.00		1,415.70
HEALTH EDGE ADMINISTRATORS INC Dental Insurance Claims	0.00	331.00	0.00	0.00		331.00
THE HARTFORD GROUP Long Term Disability Insurance	3,209.31					3,209.31
IWO (income withholding orders)	2,856.12					2,856.12
PAYROLL PEOPLE P/R Processing Fees	878.68	0.00				878.68
TOTAL PAYROLL FUND:	453,606.04	20,415.39	20,948.12	0.00	37.55	495,007.10

**WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
REIMBURSEMENTS AND TRANSFERS
JANUARY 10, 2024 BOARD MEETING
DECEMBER 2023 - JANUARY/FEBRUARY 2024**

GENERAL/REVOLVING ACCOUNT:

FUND #				
60710	WRM-WSD WELLS FARGO BANK GENERAL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: December 2023 Accounts Payable	1	\$	1,339,296.74
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: December 2023 Accounts Payable		1,339,296.74	\$
60710	WRM-WSD WELLS FARGO BANK GENERAL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: Committee for Delta Reliability	2	\$	124,205.75
60710	WRM-WSD WELLS FARGO BANK REVOLVING ACCOUNT TRANSFER TO PROVIDE FUNDS FOR: December 2023 Revolving Account	3	\$	0.00
TOTAL GENERAL/REVOLVING ACCOUNT:			\$	<u>1,463,502.49</u>

PAYROLL ACCOUNT:

FUND #				
60710	WRM-WSD WELLS FARGO BANK PAYROLL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR PPE: Jan 20, 2024	4		189,000.00
60710	WRM-WSD WELLS FARGO BANK PAYROLL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR PPE: Feb 03, 2024	5		307,000.00
60710	WRM-WSD WELLS FARGO BANK PAYROLL ACCOUNT TRANSFER TO PROVIDE FUNDS FOR PPE: Feb 17, 2024	6		189,000.00
TOTAL PAYROLL ACCOUNT:			\$	<u>685,000.00</u> <u>685,000.00</u>

KCWA COUNTY TRANSFERS: **0.00**

TOTAL REIMBURSEMENTS AND TRANSFERS: **\$ 2,148,502.49**

◀ WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT ▶

MEMORANDUM

TO: Board of Directors
 FROM: James Smith, Controller
 DATE: January 10, 2024
 SUBJECT: **Annual Investment Policy**

The District, following Government Code, establishes an investment policy each January. While the policy provides guidance to the District on investing funds, The District does not participate in any internally managed investments.

The Board amended the 2023 Investment Policy in October 2023, to include the California Asset Management Program (CAMP) in its permissible investments. CAMP is also included in the 2024 Investment Policy.

The section most applicable to the District is Section C. Location of Funds. As noted earlier in the Treasurer’s Report, the District’s majority of invested funds are with CAMP \$35.3 million (Section C.3) and Kern County Treasurer \$8.2 million (Section C.2). The District also maintains an account with LAIF, currently less than \$2.000 (Section C.1). The District has cash funds as needed in its operating, payroll, and revolving bank accounts with Wells Fargo (Section C.4).

The Statement of Investment Policy for 2024 is attached. As can be seen, the government code is restrictive in the types of investments the District can participate in. Except for the addition of CAMP, it is unchanged from the policy approved by the Board in 2023.

Recommendation. Staff recommends that the Board adopt and approve the attached Annual Investment Policy Resolution for Wheeler Ridge-Maricopa Water Storage District for 2024.

[https://wrmwsd.sharepoint.com/sites/wrmwsdshared/shared documents/management/shared_aa/board mailing january 10, 2024/prep docs/5.3 annual investment policy 2023 .doc](https://wrmwsd.sharepoint.com/sites/wrmwsdshared/shared%20documents/management/shared_aa/board%20mailing%20january%2010,%202024/prep%20docs/5.3%20annual%20investment%20policy%202023.doc)

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

STATEMENT OF INVESTMENT POLICY

January 1, 2024

In accordance with the provisions of Section 53646 of the Government Code of the State of California, this investment policy for the Treasurer of the Wheeler Ridge-Maricopa Water Storage District is hereby established.

OBJECTIVE:

The objectives of the District’s investment policy are as follows, in order of priority.

1. Safeguard the principal of the funds under its control by maintaining an appropriate risk level.
2. Meet the liquidity needs of the District.
3. Achieve an optimum rate of return (defined as income plus realized and unrealized capital gains and losses) on available assets (not required for current operating needs), commensurate with an appropriate level of risk.

SCOPE:

Except for funds held in Wheeler Ridge-Maricopa Water Storage District’s working bank accounts used for the daily operations, it is intended that this policy cover investment funds and activities of the District.

DELEGATION OF AUTHORITY:

Section 53600, et seq. of the California Government Code provides legal authorization and reporting requirements for the investment of funds of local agencies when applicable. All investments of the Wheeler Ridge-Maricopa Water Storage District shall conform to the requirements of these laws. In accordance with Section 53607 the authority to invest or reinvest the funds of the District is delegated to the Treasurer of Wheeler Ridge-Maricopa Water Storage District for a one-year period. Each year, at its January Board Meeting and the Board delegates its authority to invest funds to the District’s Treasurer, who shall thereafter assume full responsibility for those transactions until the delegation of authority is revoked or expires.

PRUDENCE:

All participants in the investment process shall recognize that the investment portfolio is subject to the prudent investment standard as set forth by California Government Code and to public review and evaluation and shall seek to act responsibly as fiduciaries of the public trust. The prudent investor standard states that when investing, reinvesting, purchasing, acquiring, exchanging, selling, or managing public funds, a trustee shall act with care, skill prudence, and diligence under the circumstance then prevailing, including but not limited to, the general economic conditions and the anticipated needs of the District, that a prudent person acting in a like capacity and familiarity with those matters would use in the conduct of funds of a like character and with like, aims, to safeguard the principal and maintain the liquidity needs of the District.

ETHICS AND CONFLICTS OF INTEREST:

https://wrmwsd.sharepoint.com/sites/WRMWSDShared/Shared Documents/Management/Shared_AA/Board Mailing January 10, 2024/Prep Docs/5.3 2024 Statement of Investment Policy .docx

Officers and employees involved in the investment process shall refrain from personal business activities that could conflict with the proper execution of the investment program, or which could impair their ability to make impartial decisions.

PERMISSIBLE INVESTMENTS:

The District Treasurer may invest from among the following authorized investments.

1. California Asset Management Program (CAMP).
 2. State of California Investment Pool – Local Agency Investment Fund – Not to Exceed \$40,000,000.00.
 3. State of California Bonds – Not to exceed 15% of the District’s reserve funds.
 4. U.S. Government Agency securities including Treasury Obligations, Notes, participation’s or obligations issued by an agency of the Federal Government or U.S. government sponsored enterprises with a maximum maturity date of 5 years.
 5. Bankers Acceptances drawn on and accepted by the 15 largest banks in the United States or by any of the world’s 100 largest banks. A rating among the top three ratings by Standard and Poor’s or Moody’s will be required. The maximum investment in Bankers Acceptances shall not exceed 40% of District’s reserve funds with no more than 30% of the District’s reserve funds invested in any one commercial bank with a maximum maturity date of 270 days.
 6. Certificates of Deposit from commercial banks and savings and loan associations.
 - a. Investments up to \$250,000 in any single institution are exempt from further collateral requirements because of FDIC or FSLIC insurance provisions.
 - b. Except as provided in (a) above, all investments must have collateral at 110% of the principal amount by government securities or 150% of the principal amount by first mortgages.
 - c. No more than 5% of the District’s reserve funds shall be in negotiable certificates of deposit in any one institution. No more than 15% of the District’s reserve funds shall be in collateralized Certificates of Deposit in any one institution, and in no case shall the total amount of all certificates of deposit exceed 30% of the investment portfolio.
 7. Repurchase agreements not to exceed 25% of the District’s reserve funds. Collateral must be 102% of the invested amount adjusted quarterly with a maximum maturity date of 1 year.
- A. AUTHORIZED DEPOSITORY. District funds not invested directly may be maintained in the Kern County Treasurer on behalf of the District.

B. MATURITIES. The maturities of investments shall generally be within the following guidelines:

1. At least 1/3 of all investments shall have maturities of three months or less.
2. No more than 1/3 of all investments shall have maturities exceeding one year.
3. No more than 5% of all investments shall have maturities exceeding three years.

C. LOCATION OF FUNDS. Subject to the guidelines provided in this Statement of Investment Policy, all funds shall be held secure under the “Prudent Investor Rule” in one or any of the following institutions:

1. California State Treasury.
2. Kern County Treasury.
3. California Asset Management Program (CAMP).
4. Banks and Savings and Loans.
5. Brokerage Companies which are New York Stock Exchange member firms.

Government Agency securities, including Treasury Bills and Notes, shall be in a safekeeping account established with one of the institutions described above.

Cash management accounts may be used for certificates of deposit and other investments; however, the linking of credit cards and the use of margins is strictly prohibited.

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

IN THE MATTER OF:

RESOLUTION NO. 2024-xx

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

WHEREAS, the Wheeler Ridge-Maricopa Water Storage District occasionally has reserve funds on hand that are in excess of the District's immediate financial requirements;

WHEREAS, it is the established policy of this District that such reserve funds shall be held in the District's various cash accounts in the Kern County Treasury where they participate pro rata in the County's investment program except as herein below stated;

WHEREAS, when interest rates, in general, are rising and conditions are such that the average earning rate of the Kern County Treasury's portfolio is less than the rates available in the marketplace, the District's policy provides for the transfer and specific investment of appropriate portions of such funds by District staff, in order to maximize interest earnings; and

WHEREAS, the District Board amended the 2023 Annual Investment Policy adding the California Asset Management Program (CAMP) to its allowable investments and it is also included in the 2024 Annual Investment Policy;

WHEREAS, the District Treasurer, in accordance with Section 53646(a) of the Government Code, has rendered an annual statement of investment policy.

NOW THEREFORE BE IT RESOLVED, by this Board that the Treasurer's Annual "*Statement of Investment Policy*" dated January 1, 2024 and attached hereto, is hereby approved and adopted.

ALL THE FOREGOING being on motion of Director _____, seconded by Director _____, and authorized by the following vote:

- AYES:** .
- NOES:** None.
- ABSENT:** None.
- ABSTAINING:** None.

I HEREBY CERTIFY that the foregoing is the resolution of said District as duly passed and adopted by said Board of Directors on the 10th day of January 2024.

WITNESS my hand and seal of said Board of Directors this 10th day of January 2024.

(Seal)

Secretary of the Board of Directors

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT
 BUDGET EXPENDITURES REPORT
 PERIOD ENDING NOVEMBER 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	3,515,806	3,426,882	88,924	97.47%
PAYROLL TAX	287,764	265,628	263,979	1,649	99.38%
PAYROLL PERS	526,615 (1)	489,952	466,218	23,734	95.16%
PAYROLL HEALTH	983,672	901,699	879,272 (a)	22,428	97.51%
TOTAL PAYROLL & BENEFITS	5,606,841	5,173,086	5,036,352	136,735	97.36%
FUEL & OIL	495,800	454,483	257,755	196,728	56.71%
MATERIALS & SUPPLIES	1,169,160	1,071,730	676,498	395,232	63.12%
SMALL TOOLS & INSTRUMENTS	41,050	37,629	2,377	35,252	6.32%
COMMUNICATIONS	60,716	55,656	62,383	(6,727)	112.09%
DIRECTORS FEES & EXPENSES	36,000	33,000	24,700	8,300	74.85%
DIRECTORS HEALTH	193,000	176,917	173,542 (a)	3,375	98.09%
INSURANCE & BONDS	275,600	252,633	238,373	14,260	94.36%
RETIREEES-OPEB	300,000	275,000	249,521 (a)	25,479	90.73%
MEMBERSHIPS	99,455	91,167	90,450	717	99.21%
MISC SERVICES & SUPPLIES	252,030	231,028	154,398	76,629	66.83%
OFFICE SERVICES & SUPPLIES	52,125	47,781	22,390	25,391	46.86%
COMPUTER SUPPLIES	40,200	36,850	28,822	8,028	78.21%
MAINT. & REPAIR BY OTHERS	262,114	240,271	166,612	73,659	69.34%
PROFESSIONAL & SPECIALIZED-LEGAL	125,000	114,583	78,648	35,935	68.64%
PROFESSIONAL & SPECIALIZED-ACCT:					
AUDIT	47,000	47,000	48,300	(1,300)	102.77%
WELLS FARGO FEES	1,200	1,100	0	1,100	0.00%
PROFESSIONAL & SPECIALIZED-OTHER	151,550	138,921	95,171	43,750	68.51%
SGMA - SOKR/KERN GW AUTHORITY	135,000	123,750	122,448 (2)	1,302	98.95%
SGMA - WHITE WOLF GSA	75,000	68,750	124,594	(55,844)	181.23%
LEGAL NOTICES & PUBLICATIONS	20,840	19,103	8,353	10,750	43.73%
RENTED EQUIPMENT	52,300	47,942	52,499	(4,557)	109.51%
SPECIAL DEPARTMENT EXPENSE	34,100	31,258	21,194	10,064	67.80%
TRANSP & TRAVEL EXPENSE	58,695	53,804	36,857	16,947	68.50%
UTILITIES	95,500	87,542	91,054	(3,512)	104.01%
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	109,700	109,700	0	100.00%
TOTAL SERVICES AND SUPPLIES	10,592,035	4,642,668	3,731,707	910,960	80.38%
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	75,070,813	74,023,118	1,047,695	98.60%
(a) Health Insurance combined	1,476,672	1,353,616	1,302,334	51,282	96.21%

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

CAPITAL EXPENDITURES BUDGET - PERIOD ENDING NOVEMBER 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	9,847		9,847	2%	(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	380,220	350,234	29,986		
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	904,769	795,069	109,700		
(1)	Work Order balance as of 10/31/2023									
(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: JANUARY 3, 2024

SUBJECT: ENGINEER-MANAGER’S MONTHLY REPORT FOR DECEMBER 2023

During the month of December, the District delivered 5,155 acre-feet of water consisting of the water types described below. Of the total quantity delivered, 262 acre-feet was delivered for industrial use, and 4,892 acre-feet was delivered for agricultural use. An additional 174 acre-feet was delivered for banking. This compares to projected deliveries of approximately 2,600 acre-feet estimated in September 2022. 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:

<u>Quantities (Acre- Feet)</u>			
<u>Source of Supply</u>	<u>Jan-Oct</u>	<u>Nov</u>	<u>YTD</u>
2023 SWP Entitlement (a)	128,992	4,902	133,894
2022 Carryover (estimate) (b)	3,167	-	3,167
Lower River/ A21 Deliveries (estimate)	11,514	-	11,514
Pastoria	2,738	249	2,986
TRC/Granite	104	4	108
Kern Water Bank Recovery (c)	1,396	-	1,396
Pioneer Project Recovery (c)	399	-	399
Berrenda Mesa Recovery (c)	196	-	196
Landowner Water Transfer	2,500	-	2,500
User Input-District Wells	-	-	-
User Input-Private	1,443	-	1,443
<hr/>			
<u>Type of Delivery</u>			
Irrigation	148,954	4,892	153,846
Industrial Contract	2,841	253	3,094
Other Industrial	175	10	184
Deliveries Subtotal	151,970	5,155	157,125
<hr/>			
<u>In-District Recharge Deliveries</u>			
Mettler Water Bank (estimate)	11,245	35	11,280
Landowner Pilot Program (estimate)	12,289	-	12,289
Deliveries Total	175,503	5,190	180,693

(a) 2023 updated allocation of 200,818 acre-feet (100%)

(b) At 03/01/2023, an estimated 36,909 acre-feet of 2022 Carryover was available; 25,998 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

December 2023

South of Kern River GSP. Items of note include:

- **Coordination between SOKR districts**
 - December 18 – SOKR Executive Committee meeting
 - Basin Coordination Committee and Technical Workgroup (TWG) updates
 - Monitoring Network update
 - Approved EKI Task Order for support services for Jan-Jun 2024 (\$169,800)
 - Recommended approval of three Kern Subbasin funding requests
 - 2024 Point of Contact Agreement with Rincon (\$120K / \$5,455 each)
 - 2024 Data Management Services Task Order w/GEI (\$46,200 / \$2,100 each)
 - 2023 Annual Report Task Order with Todd Groundwater (\$72K / \$3,273 each)
 - January Executive Committee meeting has not been scheduled
- **Basin Coordination** - Coordination Committee meeting every Monday and Managers meeting every Friday. Met with SWRCB Staff on Dec. 19 to present subsidence plan.

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

Dec 01	Kern Subbasin Managers Meeting
Dec 06	Renovo Resources
Dec 06	SOKR Managers Meeting
Dec 07	Project/Management Action Committee Meeting
Dec 08	Kern Subbasin Managers Meeting
Dec 08	Kern Water Collaborative
Dec 11	Landowner Meeting
Dec 12	Landowner Meeting
Dec 12	Kern Water Bank Board Meeting
Dec 13	WRMWSD Board Meeting
Dec 13	SWRCB Meeting w/Kern Subbasin
Dec 14	AEWSD
Dec 14	White Wolf P/MA Committee
Dec 15	Kern Subbasin Managers Meeting
Dec 15	Gianquinto, McCarthy, Gilkey
Dec 15	South Valley Water Resources Authority Meeting
Dec 18	CVC Advisory Committee Meeting
Dec 18	SOKR Executive Committee Meeting
Dec 18	Michael Pilatti Retirement Luncheon
Dec 18	Kern Coordination Committee
Dec 19	SWRCB Board meeting
Dec 20	SOKR Managers Meeting
Dec 21	Landowner Meeting
Dec 21	SWC Water Ops Committee

White Wolf GSA. The December and January WWGSA Meetings were cancelled.

RETIRED ANNUITANT REPORT - R. KUNDE

December 2023

Delta Conveyance Project (DCP). On December 21, 2023 (excerpted from the press release):

“Department of Water Resources Approves Delta Conveyance Project Final EIR Certified; Engineering, Design and Permitting to Move Forward

The Department of Water Resources (DWR) today approved the Delta Conveyance Project, a modernization of the infrastructure system that delivers water to millions of Californians. DWR has certified the Environmental Impact Report (EIR) and completed an extensive environmental review. DWR selected the “Bethany Reservoir Alignment” for further engineering, design and permitting.

With the state expected to lose 10% of its water supply by 2040 due to hotter and drier conditions, the Delta Conveyance Project is a key part of the California’s Water Resiliency Portfolio and Governor Newsom’s Water Supply Strategy. The project will modernize the state’s water infrastructure to:

- *Capture and move more water during wet seasons to better endure dry seasons,*
- *Minimize future losses from climate-driven weather extremes,*
- *Protect against earthquakes disrupting water supplies,*
- *Continue meeting regulatory water quality and fishery requirements, and add new operating rules for further fishery protections,*
- *Include a Community Benefits Program to ensure local communities get the means and resources to achieve tangible and lasting benefits.*

Extreme weather whiplash driven by climate change will result in more intense swings between droughts and floods, intensely straining California’s 60-year-old State Water Project infrastructure. During January’s atmospheric rivers, the Delta Conveyance Project could’ve captured enough water for 2.3 million peoples' yearly usage.”

The full press release is included in the December Board Packet and at:

<https://water.ca.gov/News/News-Releases/2023/Dec-23/Department-of-Water-Resources-Approves-Delta-Conveyance-Project>

(One change from November Report) Planned 2024 DCP activities include:

- issuance of the final federal Environmental Impact Statement (mid-2024),
- issuance of federal Biological Opinions and the state Incidental Take Permit,
- filing an application for a Change in Point of Diversion with the State Water Resources Control Board in late 2024 which would begin a 2 year process,
- preparation of a Class 4 cost estimate, and
- a call for funds (not bond debt) from the State Water Contractors and Member Units.

More detailed information on these planned activities is expected to become available in the first quarter of 2024.

The Delta Design and Construction Authority (DCA) met on December 14. Routine matters were considered.

Delta Conveyance Project - Cost Estimate. Jacobs Engineering is developing the detailed construction estimate and Parsons is preparing a check estimate. The DCA will reconcile the two estimates for the final estimate which will be a Class 4 estimate. According to AACE

International (formerly the American Association of Cost Estimators) Recommended Practice 18R-97, a Class 4 cost estimate is based on a 10% level of design with an accuracy range at the 80% confidence interval of -30% to +50% of the cost estimate. The final estimate is expected to be available by June 2024.

Sites Reservoir - Final Environmental Impact Report Litigation. On November 17 in Maxwell, CA, the Sites Final Environmental Impact Report (Final EIR) was adopted by the Sites Project Authority after a public hearing. This is a major milestone for the Project.

About December 18, the Sites Project received notice that 5 environmental groups collectively filed a Petition for Writ of Mandate in Yolo County Superior Court to challenging the November 17, 2023 adoption of the Sites Project’s Final EIR. Petitioners seek a determination from the Court that the Final EIR and approval of the Project are invalid and void. The Court set a schedule that appears to conform to the judicial streamlining requirements of SB 149 including a Court decision on the matter within 270 days (to the extent feasible).

Some other parties, including Contra Costa Water District, Yolo County and Indian Tribes, had filed public comments opposing the Final EIR. However, none of them sued challenging the Final EIR.

Sites Reservoir - Water Right Application. During December, 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 December 15, 2023 meeting, the SPA and/or RPC took routine actions to approve the Consent Agenda (5 items), make some minor 2024 budget adjustments, authorize revisions to the Consultant contracts to confirm to the 2024 Work Plan, and approve a 4% COLA increase for the 5 Authority agents.

Discussion items were a review of the Conflict of Interest Code and the monthly report from the Executive Director. He highlighted:

- the Bureau of Reclamation is currently at a 9% participation level and still wants to increase its share to 16%,
- the Project is currently fully subscribed, but there is a waiting list for Project Participation by 14 agencies (including the District request for additional participation) requesting about 57,000 acre-feet of average annual yield,
- the Operations Incidental Take Permit (ITP) application was submitted to CDFW, and received notice therefrom of outstanding items that need to be addressed to complete the application,
- coordination continued with CDFW on the Revised Construction ITP application, and a supplement to the application was submitted to address all outstanding “incomplete” items, and
- Reclamation submitted the Sites Project Construction Biological Assessment to the USFWS in November and included the Sites Project as a programmatic action in its Longterm Operations Reconsultation Biological Assessment.

A closed session was also held.

The next regular joint Sites Project Authority/Reservoir Project Committee Meeting will be January 19, 2024.

Other Matters. Phone discussions were held with some Sites Grower Participants regarding possible adjustments to their participation levels.

Assistance was provided to the Accounting Department on procedures for taking Certificates of Sale on delinquent properties.

Meetings. The Retired Annuitant attended the following meetings during the month including 6 meetings for the Sites Project.

Dec 12	Delta Conveyance Project - Policy Briefing
Dec 19	Delta Conveyance Project - Policy Briefing
Dec 06	Sites Reservoir - Ad Hoc Governance Committee
Dec 08	Sites Reservoir - Ad Hoc Operations and Engineering Contracting Strategy Sub-Workgroup
Dec 08	Sites Reservoir - Budget & Finance Committee
Dec 06	Sites Reservoir - Coordination Committee
Dec 15	Sites Reservoir - Joint Authority/Reservoir Committee Board of Directors
Dec 21	Sites Reservoir - Operating Agreement Technical Team
Dec 13	WRMWSD - Board of Directors

WATER RESOURCES MANAGER REPORT - E. MCDARIS

December 2023

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 December 21, DWR analysis results for 2024 are as follows (values in acre-feet).

Source/SVI	Critically Dry	DNR	Below Normal	Wet
SWP Allocation	9%		36%	51%
OMR Restriction [a]	Moderate	DNR	Moderate	Moderate
Prob. Of Exceedance [b]	90%	75%	50%	25%
District Supply	17,738	-	70,952	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 December was 6.9 inches of the monthly average of 10.0 inches. *Accumulation* for the season is as follows:

Current Amount – October 1, 2023 – September 30, 2024,	10.9”
Seasonal Average to Date	18.5”
Seasonal Percent of Average to Date	58%
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 December was 2.3 inches, which is 35% of historical average (6.5 inches). *Accumulation* for the season is 4.3 inches, which is 34% of the seasonal average of 12.4 inches.

Carryover and Spill Conditions.

The District continually reviews current San Luis Reservoir (SLR) storage levels (December 31, -56% capacity, 96% of average) to determine optimum carryover amounts.

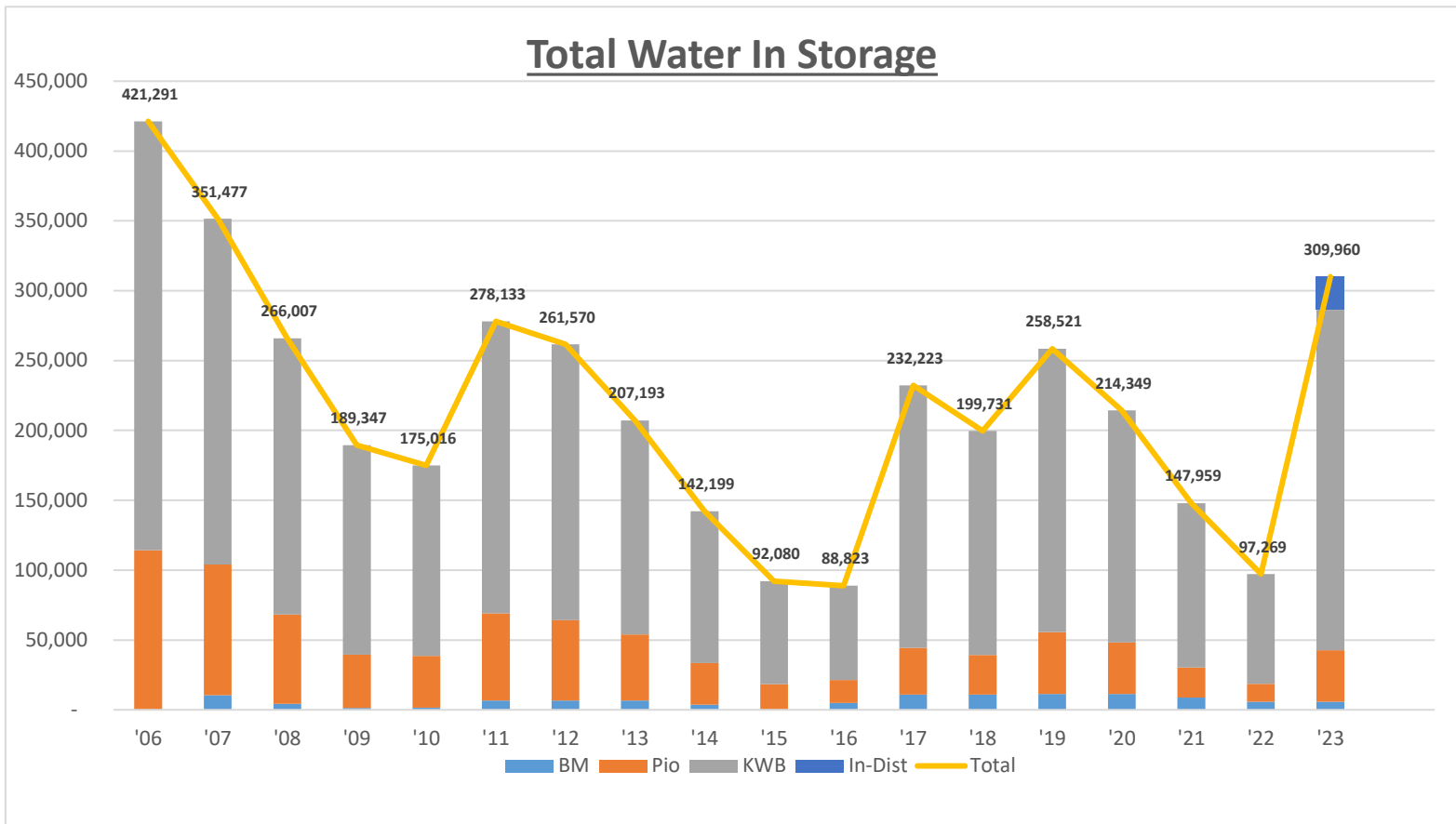
End of month San Luis Reservoir conditions were as follows:

<u>Description</u>	<u>Million Acre-feet (MAF)</u>
SLR Capacity	
SWP Share	1.062
CVP Share	<u>0.966</u>
SWP + CVP subtotal	2.028
Actual December 31, 2014 storage	0.820
Actual December 31, 2015 storage	0.436
Actual December 31, 2016 storage	1.259
Actual December 31, 2017 storage	1.638
Actual December 31, 2018 storage	1.503
Actual December 31, 2019 storage	1.286
Actual December 31, 2020 storage	0.955
Actual December 31, 2021 storage	0.616
Actual December 31, 2022 storage	0.688
Actual December 31, 2023 storage	1.147
December 31, 2023, storage	
SWP Share	0.368
CVP Share	<u>0.779</u>
SWP + CVP subtotal	1.147

The amount of State Water Project water stored during the month of December decreased approximately 72,967 acre-feet going from 441,616 acre-feet at the end of November to 368,649 acre-feet at the end of December. On December 31, SLR overall storage is approximately 873,000 acre-feet from full.

Banking Operations (Update). Since the District began groundwater recharge operations on February 10th, 2023, approximately 212,000 gross acre-feet (before losses) has been recharged as follows (as of December 31, 2023):

	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



THE CONTRACT ADMINISTRATOR’S WORK INCLUDED:

Contract/ Water Allocation Work.

- Contract 63
 - Received Grant Deed
 - Grant Deed Review/Verification
 - Completed and Mailed Assumption Agreement to Landowner
- Contract 62 & 160
 - Received Grant Deed of Name Change
 - Grant Deed Review/Verification
- Contract 2.01B
 - Received signed Amendment Agreement back from the Landowner.
 - Ready and pending notarized Board signatures.
- Contract 86G
 - Completed and Mailed Amendment Agreements to Landowner
 - Pending Landowner’s Notarized signatures.
- Contract 86D, 86F, & 12107A
 - Completed Post Recording Procedures
- Contract 51 & 51C
 - Completed Cover Letters for agreements by mail.
 - Begin drafting Amendment and Assumption Agreements
- Contract 12102
 - Received Assumption Agreement back from Landowner.
 - Ready and pending notarized Board Signatures
- Contract 22F, 56, 104A, & 124A20
 - Received Assumption Agreements back from the Kern County Recorder’s Office
 - Ready for 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 08 Water User (s) with 2023 SWP Allocation/Pool/Return Water questions.
 - Assisted 28 Water User (s) with Carryover/Water/Usage/Recharge Program Balance
 - Assisted 11 Water User (s) with 2023/2024 Water Costs/Allocation/Other questions.
 - Assisted 04 Water User (s) with APN District verification (Appraiser Requests)
 - Assisted 04 Non-contract User (s) with general allocation/cost associated with The District.
 - Assisted 05 Water User (s) with Farming Unit Operation Agreement questions.
 - Assisted 06 Water User (s) with Second Priority Sub-Account Program
 - Assisted 03 Water User (s) with GWSC Questions/Information
 - Assisted 02 Water User (s) with Current Contract Transfer Updates
 - Assisted 04 Potential Water User (s) with Water District Information/Water Allocations/Costs
- Processed 02 Title Demand Request
- Processed 06 Water Transfer Agreement
- Processed 19 Returns to Place Water in District Pool
- Processed 02 Request for Allocation to purchase Pool Water

Other Tasks.

- Important Notices via email to Landowners/Water Users

- 2024 Ground Water Service Charge Notice Reminder
- Carryover Notice
- Carryover & 850 Canal Maintenance Shutdown Reminder
- Farming Unit Search for Water User
- KWB Sub-Account Subscription Supply
- 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 1 delinquent account.
 - Delinquent Report for Board, payment collection/certified mail notices
 - Updated Delinquent Calendar for Procedures (Landowner kept communication with the District weekly).
 - 12/01/23- Established a Public Auction Sale Date for the Notice of Sale with the Kern County Tax Collector, completed/emailed the Notice of Sale to collect Tax Collector's signature.
 - 12/5/23- Picked up two signed Notices of Sales from the Kern County Tax Collector's Office for newspaper publishing.
 - 12/28/23-Began drafting Release of Delinquent Tolls & Charges List following full payment.
- Reviewed the monthly Accounts Payable and distributed Board and Annuitant payables.
- Managed Petty Cash Fund and EC stamp cash fund
- 12/07/23 Attended Delinquency Meeting
- 12/13/23 Attended Board Meeting
- 12/14/23 Attended District Safety Meeting
- 12/01/23, 12/22/23, 12/29/23 Landowner Phone Call/Zoom Meeting(s)
- Prepared monthly report for Board Meeting packet.

Accounting Activities – J. Smith

December 2023

Controller's Report:

2023 Water Allocations, Deliveries, and Billings. The December water reports were mailed on January 2. The Board approved, at its May meeting, and the District allocated the 100% SWP on the May water reports. The initial SWP allocation of 100% of the Contract Amount of Water was canceled and the revised allocation of 5% SWP and 27% Supplemental Water approved by the Board in November 2022 was applied. On December 1, 2022, DWR announced an initial SWP allocation of 5%. The SWP allocation was increased to 30% in January, 35% in February, and 75% in March. The Board adopted a revised 75% State Water and an 8% Supplemental Water allocation at its April Board meeting. After the Board meeting the State allocation was increased to 100%. In anticipation of the 100% allocation, staff reversed the Supplemental allocation. Carryover water was reduced to the amount of carryover delivered. Most of the carryover reduction was banked in the 2nd Priority banking program which is tracked separately from the following data. All previous returns were reversed. Current allocations are:

	<u>Acre-Feet</u>
• SWP	200,818.00
• Supplemental	0.00
• User Input (Jan-Dec)	1,443.60
• Carry Over	3,770.31
• TWS	976.27
• Pooling net of pool purchase	<u>-47,900.99</u>
• Total Supply	161,607.19
• Deliveries (Jan-Dec)	<u>-153,193.02</u>
• Unused	<u>8,414.17</u>

Controller Report-Smith:

- Continued job search for assistant controller.
- **Meetings:**
- December 15-CPA CPE Webinar
- December 18-Assistant Controller interviews at BHK
- December 19-Assistant Controller interviews at BHK
- December 20-Assistant Controller interviews at BHK
- December 20-CPA CPE Webinar

The Staff Accountant's activities included:

- Processed over 20 pool water returns
- Processed 3 water transfers
- Reviewed report used to calculate workers compensation insurance premiums
- Reviewed data from engineering to set up customers for invoicing in accounting software
- Completed a credit application for a new vendor for engineering purchases
- Coordinated payments from and to a new solar provider
- Assisted with the OneDrive implementation
- Assisted Accountant with bank reconciliation issues
- Work with engineering to coordinate a procedure for a grant funded project
- Prepared 2024 estimates for Industrial water contracts

- Prepared miscellaneous A/R invoices for industrial water and shared expenses with other districts
- Followed up on outstanding miscellaneous A/R invoices
- 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 for Board review
- 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 Board meeting and assisted with recording minutes
- Participated in weekly accounting department meetings
- Distributed a logo shirt order for employees

The Accountant's activities included:

- Accounting/Payroll:
 - Prepared Monthly Miscellaneous Invoices for Cattle, Short Run, and Industrial.
 - Reviewed Daily Kern County and Wells Fargo Fund Activity.
 - Prepared Bi-Weekly Burden Rate/Register Fund Worksheet.
 - Assisted with office duties: Cash Receipts/Deposit/EROD.
 - Maintained District's Accounts Payable Fraud Protection Software.
 - Attended Monthly Board meetings remotely.
 - Trained with Staff Accountant regarding ACH Payment remittances.
 - Prepared/filed governmental compliance reports.
 - Prepared monthly bank reconciliations balance to the general Ledger.
 - Notified Contract Administrator of WF Funds AP.
 - Attended Weekly Accounting Meetings.
 - Prepared and Posted Monthly Journal Entries.
 - Reviewed Banking Client Analysis Statement for validity of charges.
 - Prepared KCWA Annual Journal Voucher.
- Board Preparations:
 - Prepared Monthly PR Fund Report.
 - 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 setup.
 - Prepared Estimated PR voucher worksheet for the board.
 - Prepared and sent Board Vouchers for AP, CDR, Revolving, 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 and Sent Board Vouchers for AP, CDR, PR, and Revolving.

- Prepared and Sent Board Transfer for KCWA Annual State Contract.
- CalPERS/Benefits/Miscellaneous:
 - Reviewed CalPERS annual evaluation reports.
 - Prepared CalPERS payroll data transmitted along with payments.
 - Reviewed CalPERS correspondence.
 - Prepared CalPERS retirement data for employee.
 - Reviewed CalPERS PEPRA Actuarial Report.
 - Maintained Life Insurance Supplemental Worksheet.
 - Assisted employee with possible SDI questions.
 - Maintained e-files for non-injury employees.
 - Reviewed Code of Safe Practices: General Safe Practices.
 - Assisted Controller and Engineer-Manager with Director Benefits.

The Junior Accountant's activities included:

- Accounts Payable: coded, obtained approvals, and posted all invoices to the District's accounting program
- Prepared payroll
- Prepared burden payments
- Prepared Director's payroll
- Processed daily desktop deposits of cash receipts
- Prepared manual checks report for December
- Attended Accounting Department meetings
- Filed and organized invoices
- Attended payroll meetings
- Attended Employee Committee Meeting
- Trained employees on payroll system

ENGINEERING ACTIVITIES -T. SUGGS

December 2023

South of Kern River (SOKR) GSP:

- During December, water levels were recorded in 13 out of 14 monitoring wells while the remaining well was inaccessible due to mud.

White Wolf Basin GSA:

- Water levels were observed in 10 SGMA monitoring wells.
- All package of information including the following was conveyed to EKI to enable preparation of the 2023 Water Year Report on SGMA implementation.
 - Records of 2023 water deliveries, surface water imports, and User Input pumping
 - Depth to groundwater data and lab analytical reports from SGMA monitoring wells
 - Crop and land use survey records
- A failing water level transducer was replaced in one monitoring well known as MW-5

850A-850B System Interconnection:

- Pursuant to formal bid procedures, four proposals for 2,700 linear feet of 12-inch-diameter PVC pipe for the project were received and publicly opened on December 6th. All of the submittals were responsive with the low bid of \$90,207 belonging to Laurel Ag and Water, but the Board ultimately decided to cancel all bids and readvertise at a later date, because needed easements were not in place yet.
- The O&M Department installed new isolation valves at each end of the future intertie, making it possible to construct the connecting pipe at any time in the future without disrupting Water User deliveries.
- Draft easement maps and descriptions were revised for the three affected parcels and approximate property boundaries were field marked in the vicinity of the site.

10P Lateral Repair Kit: Previously in November, the District advertised for bids to furnish a 78-inch-diameter pipe kit to help expedite repairs to the 10P main lateral. Only one valid sealed bid, from Northwest Pipe Company, was subsequently received and publicly opened on December 5th, 2023. At first it appeared that the Northwest Pipe offer was contingent on substituting Northwest's own terms and conditions. In its regular December meeting, the Board authorized the Engineer-Manager and District Counsel to attempt to work out agreeable terms, and by the end of the month, Northwest dropped all other conditions and signed a contract. The Contract Agreement was then circulated for signatures by District officers.

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

- Engineering Department staff responded to 200 underground services alerts (USAs) during the month, eventually marking a total of 6.8 miles of District pipelines.
- Staff provided research and record-keeping support to the O&M Department while they installed new electrical conduits at the 6P-P2 Pumping Plant.
- More field meetings were held with Camarillo Drilling in preparation for their planned installation of a fiberoptic cable that will involve multiple District pipeline crossings in the 7P, 8P, 8G, and 9G areas.

- A deep ripping firm was advised about its obligation to notify the District about any changes to the ripping plans and to stay out of marked pipeline areas.
- Field inspections were made while contractors constructed the following on behalf of District Water Users:
 - A new 6-inch-diameter PVC pipeline that crossed the 5G-C-2 Lateral

Maps and Records:

- Redline edits were made to as-built drawings of the District’s distribution system to reflect new irrigation pipelines and electrical conduits as described above.
- A new map showing water contracts and ownership was prepared for the Contracts Administrator.

General Public: A noncontract landowner was updated on the status of landowner well meters and Groundwater Service Charges.

Corrosion Protection:

- Cathodic potentials were measured at four rectifier stations and minor adjustments were made to rectifier voltage as needed. The PC-1 Pumping Plant had some unusual readings consistent with a poorly functioning ground grid; more research will be required to diagnose the issue.
- The Corrosion Technician continued to pursue a known problem with slow corrosion in the manifold piping immediately below some hydropneumatic (HP) tanks. To that end, a vendor of corrosion control services visited two pumping plants at the District’s request and took a few readings of soil and steel potentials, but no conclusions were reached.

Annual Maintenance Inspections: The PB-1 Pumping Plant facilities were inspected during annual maintenance in December with the following observations:








Facility	Findings
Hydropneumatic (HP) tank at the PB-1 Pumping Plant	The tank interior, which was recoated in 2013, was found to be in excellent condition with no sign of deterioration; the sacrificial anodes were found to be consumed, but the reference cell appeared to be in good condition.

Meetings Attended:

- December 4 Kern Subbasin DMS Working Meeting with GEI
- December 5 KCWA Operations Conference Call
- December 12 KCWA Operations Conference Call
- December 14 White Wolf P/MA Committee
- December 19 KCWA Operations Conference Call









District Well Status Summary

As of January 5, 2024

Well Name	Status / Description of the Problem	Most Recent Activity	Next Planned Activity
Currently in Running Condition			
 <p>WRM7</p>	Currently off. SWL was 492' on 12/18/2023	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 703' on 12/26/2023.	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 12/26/2023.	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 12/26/2023.	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 12/26/2023.	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 738' on 12/26/2023.	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.	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.	
 <p>#C1</p>	Currently off. SWL was 634' on 12/26/2023.	Tested 2/23/2023 and found to produce 1425 gpm with 25' of drawdown at 61% efficiency. Shock treated with chlorine 7/25/2022.	
 <p>#C2</p>	Currently off. SWL was 588' on 12/26/2023.	Tested 2/27/2023 and found to run at 860 gpm with 18' of drawdown at 61% efficiency.	

District Well Status Summary

As of January 5, 2024

Well Name	Status / Description of the Problem	Most Recent Activity	Next Planned Activity
Currently in Running Condition			
 <p>#C3</p>	Currently off. Placed back in service 11/1/2023. SWL was 588' on 12/26/2023.	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.	
 <p>#C5</p>	Currently off. SWL was 578' on 12/26/2023.	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.	
 <p>#C6</p>	Currently off. SWL was 725' on 12/26/2023.	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			
 <p>6P-P2</p>	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.
 <p>7P-P2</p>	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.
 <p>PB-1</p>	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 2023.
 <p>#A3</p>	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 2023.
 <p>#C4</p>	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	12/1/2023	Since 10/01/2023	Days Occurred in December
Maximum Temperature	73°	101°	18th, 20th
Minimum Temperature	30°	38°	13th, 15th
No. Days at or over 100° F	0	1	N/A
No. Days at or under 32° F	8	9	9th - 16th
Precipitation (inches)	1.44	1.81	21st, 30th
Evaporation (inches)	1.78	10.23	----
Wind Run	1,311	4,592	----

STORAGE IN MAJOR RESERVOIRS (Acre-Feet)

Reservoir	Capacity	Storage at End of December	
		2022	2023
Shasta	4,552,000	1,523,676	3,112,673
Oroville	3,538,000	1,273,041	2,406,531
San Luis (Total)	2,028,000	687,554	1,147,347
San Luis (State Share)	1,062,000	(a) 428,198	368,649
Folsom	977,000	558,654	465,081
Isabella	361,250	(b) 51,048	198,136
Millerton	520,000	381,512	229,920
TOTALS	11,976,250	4,475,485	7,559,688

(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

OPERATIONS AND MAINTENANCE ACTIVITIES – G. LOVELESS

December 2023

Safety/Administrative Training

Safety Meeting on *Code of Safe Practices, Holiday Safety*.

Field/System Maintenance

- Replaced mainline valve A-A lateral.
- Replaced mainline valve CG-B lateral.
- Replaced mainline valve C-B lateral .
- Replaced mainline valve C-1 lat.
- Installed isolation valves for A5X-B5X intertie.
- Installed additional light poles in Maintenance yard.

Pipeline Repair

12/5/23 - 6P-D lateral repair completed.

Power Outage

- 12/2/23, 1600 hours - Scheduled outage WRM-10. Service restored 12/3/23, 1710 hours.
- 12/12/23, 2300 hours - PD-1 power outage. Service restored 12/15/23.
- 12/18/23, 0900 hours - Scheduled outage PA-2. Service restored 1200 hours.
- 12/19/23, 2300 hours - Scheduled outage WRM-10. Service restored 1600 hours.

Annual Maintenance

- 5 system - Completed 12/04/23.
- WRM-9 - Drained 12/10/23, Completed 12/14/23.
- WRM-10, 850 Canal - Drained 12/24/23, Scheduled to be completed in January.

SCADA Communication Failure

- 12/3/23, 0820 hours - Radio reset WRM-7.
- 12/3/23, 1505 hours - Radio reset WRM-5.
- 12/4/23, 1635 hours - Radio reset WRM-7.
- 12/5/23, 2300 hours - Radio reset PB-1, PB-2.
- 12/9/23, 0850 hours - Radio reset WRM-6.
- 12/9/23, 1630 hours - Radio reset -WRM7.
- 12/12/23, 2145 hours - Radio reset WRM-6.
- 12/12/23, 2330 hours - Radio reset WRM-6.
- 12/16/23, 2050 hours - Radio reset WRM-7.
- 12/19/23, 0750 hours - Radio reset WRM-7, 7P-P2, 7P-P3.
- 12/20/23, 2300 hours - Radio reset PA-1, PA-2.
- 12/21/23, 0700 hours - Radio reset PA-1.
- 12/22/23, 0800 hours - Radio reset PA-1, PA-2.
- 12/29/23, 2300 hours - Radio reset PA-1, PA-2.

Pump/Electrical

- Completed underground electrical and installed lighting on new automated gate at District maintenance yard. Installed new lights on eastside and southside of office/shop building. Refurbished parking lot lights and converted to LED lighting.
- WRM-4 transducer reading incorrectly. I/O card was replaced and returned service.
- 5 system - Lockout/Tagout locks were removed, and loop checks were implemented to ensure wiring was correct after removing old wiring and equipment no longer in use.
- 5P-P2 unit #5 – Pump fail. Replaced bad timing relay and returned to service.
- 5P-P2 unit #6 – Pump fail. Replaced fuse holder and is back in service.
- 5P-P3 – Float switch stuck on HP tank. Cleared debris and returned to service.
- 5P-P3 unit #2 - Motor failure. Replaced with rebuilt unit and returned to service.
- 6P-P2 - Installed underground conduit for antennas for PLC upgrade.
- WRM-10 - Opened main station breaker for scheduled PG&E outage. Work was completed and returned to service.
- PD-1- PLM shutdown. Identified irregular voltage from phase to ground. PG&E determined adequate phase to phase voltage, so PLM is currently locked out. 3rd party electrical service has been scheduled.
- 15G-P2 - Air compressor line leaking at HP tank. Replaced cracked PVC fitting.
- 15G-P2 - Electrical underground was installed for cathodic protection and future cables for antennas for PLC upgrade.

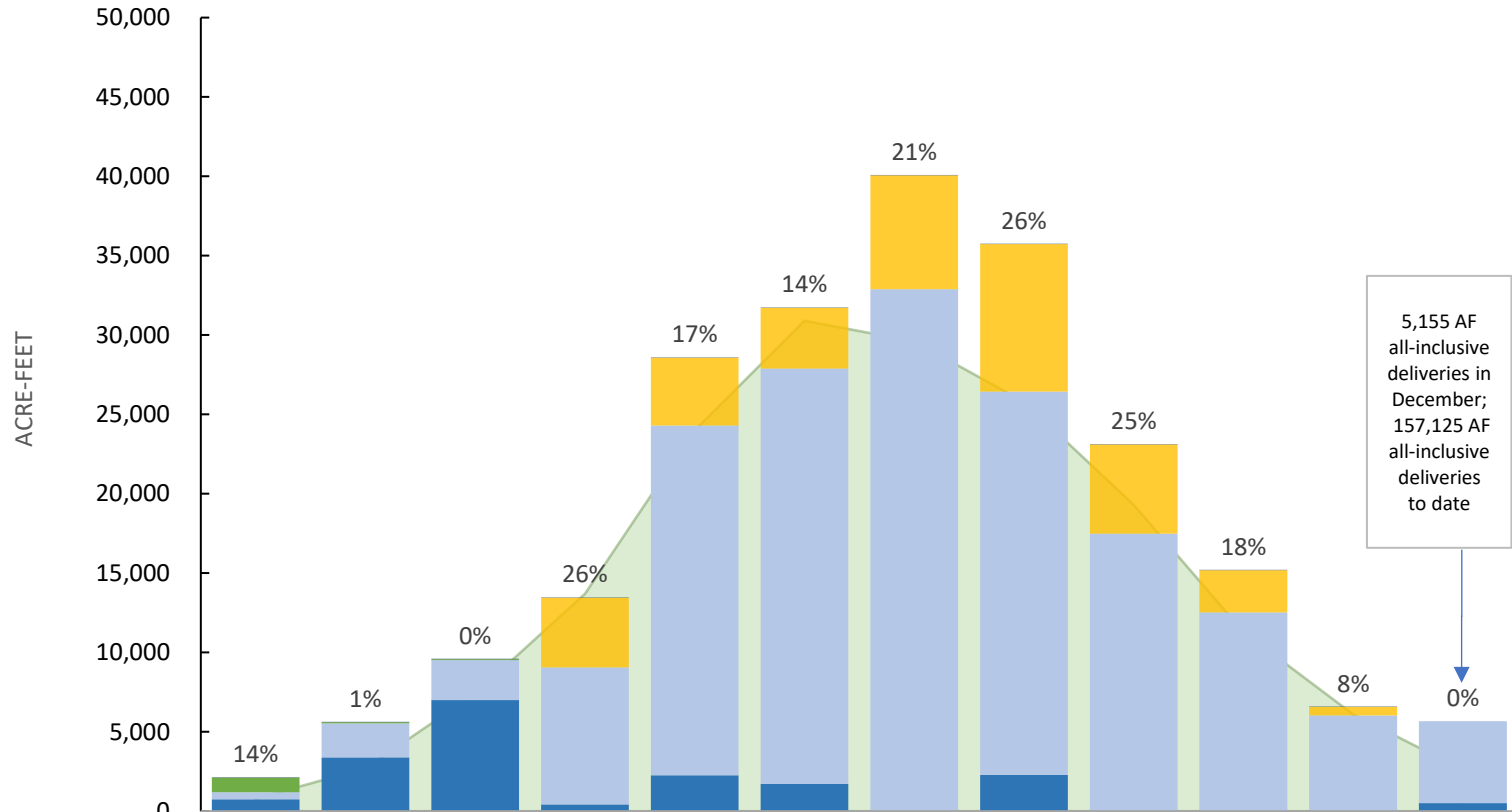
Equipment Maintenance

8 regular vehicle services.

- Unit #140 had the fuel canister replaced.
- Unit #366A and conveyor crane passed annual safety inspections.
- Unit #798 Skip loader had the rear wheels replaced.
- Unit #036 had the touch screen replaced.

Current gasoline bulk purchase prices for the District are \$3.99 per gallon for gasoline and \$4.14 per gallon for diesel.

IN-DISTRICT WATER DEMANDS AND SURFACE WATER DELIVERIES THROUGH December 2023



	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	14%	1%	0%	26%	17%	14%	21%	26%	25%	18%	8%	0%
Est. add'l landowner GW pumping (AF)	0	0	0	4,379	4,278	3,827	7,181	9,299	5,608	2,666	535	0
User Input GW Incl. District Wells (AF)	925	67	46	0	0	0	0	0	0	0	0	0
District Non-GW Deliveries (AF)	432	2,137	2,526	8,629	22,024	26,177	32,886	24,137	17,495	12,530	6,035	5,155
Effective Precipitation (AF)	763	3399	7002	438	2269	1713	0	2293	0	0	0	509

Wheeler Ridge-Maricopa Water Storage District

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

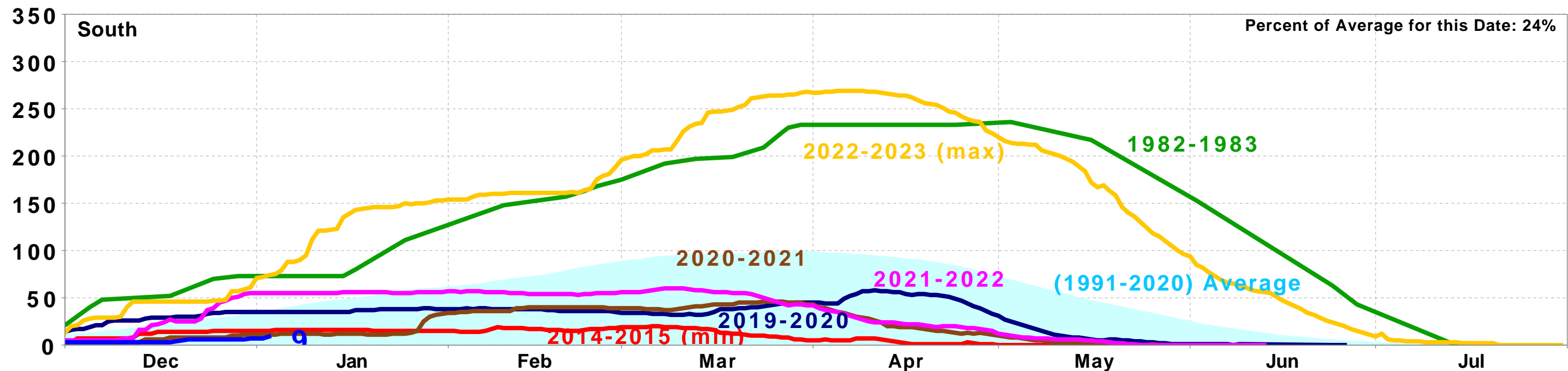
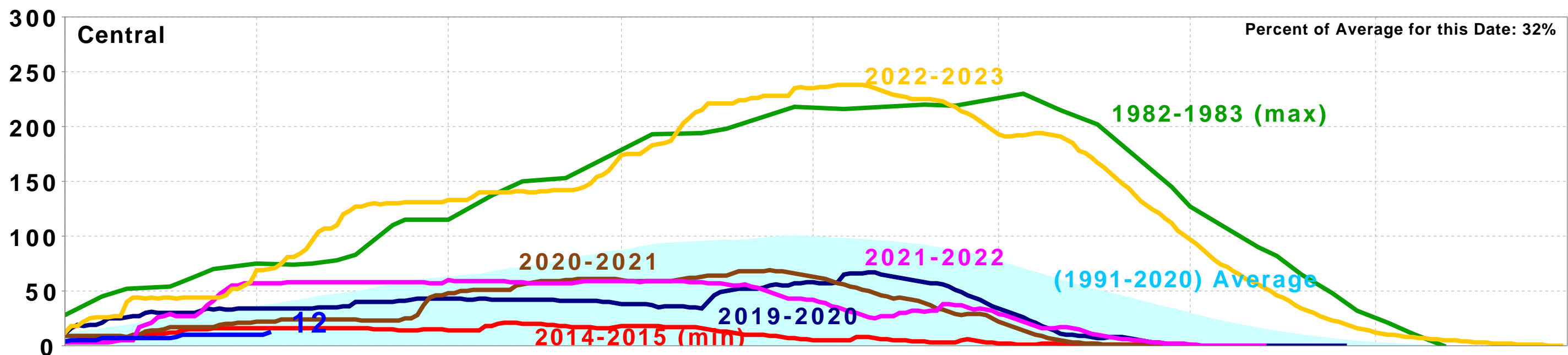
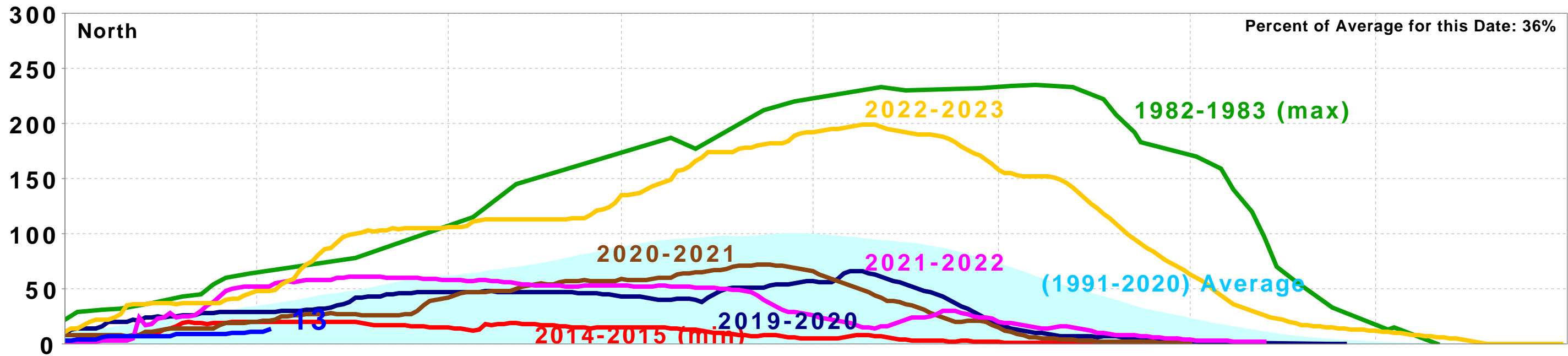
Monthly Deliveries in Acre-Feet

Month	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017*	2018	2019	2020	2021	2022	2023
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
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
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
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%
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

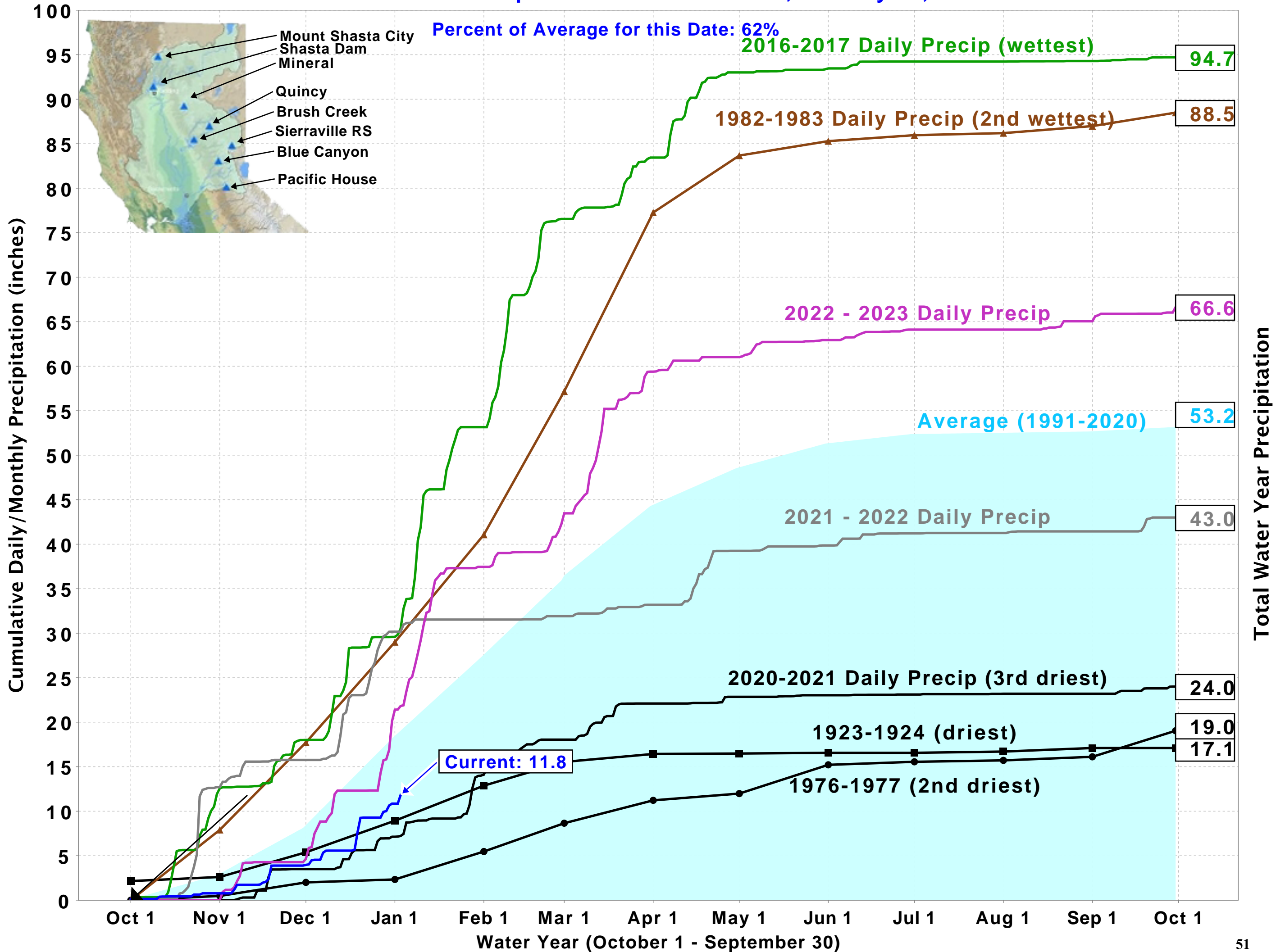
California Snow Water Content, January 3, 2024, Percent of April 1 Average



Statewide Percent of April 1: 12%

Statewide Percent of Average for Date: 33%

Northern Sierra Precipitation: 8-Station Index, January 03, 2024



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

Current Allocation

Capacity Values in acre-feet	10% SWP ALLOCATION		36% SWP ALLOCATION		51% SWP ALLOCATION		
	Supply	Shortage or (Excess)	Supply	Shortage or (Excess)	Supply	Shortage or (Excess)	
Sacramento Valley Water Year Index (40-30-30) <i>Probability of Exceedance Assumptions</i>		Critically Dry 90% P.O.E. 10% Allocation		Below Normal 50% P.O.E. 36% Allocation		Wet 25% P.O.E. 51% Allocation	
Estimated Demand							
-- WRMWSD in-District deliveries (b)		181,200	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	181,200	
Surface Supplies							
SWP Table A Entitlement	197,088	19,709	161,491	70,952	110,248	100,515	80,685
SWP Supply		19,709	10%	70,952	36%	100,515	51%
Lyndal Water	-	-	161,491	-	110,248	-	80,685
Supplemental 1 Supplies - District							
District Carryover (estimate)	13,235	13,235	148,256	13,235	97,013	13,235	67,450
Long Term- Butte County **	15,800	-	148,256	1,534	95,479	2,173	65,277
Long Term- Western Hills Water District**	8,000	298	147,958	1,073	94,406	1,520	63,757
Long Term- Mojave Water Agency**	25,000	-	147,958	4,046	90,361	6,743	57,015
Long Term- Palmdale Water District **	8,000	-	147,958	-	90,361	-	57,015
Kern Water Bank - estimate to date (c)	-	-	147,958	-	90,361	-	57,015
Kern Water Bank - estimated through end of year	50,000	16,467	131,491	10,113	80,248	6,329	50,685
Pioneer Project - estimate to date (c)	-	-	131,491	-	80,248	-	50,685
Pioneer Project - estimated through end of year	10,000	-	131,491	-	80,248	-	50,685
District & BRID Wells - actual	-	-	131,491	-	80,248	-	50,685
District & BRID Wells - estimated through EOY	10,000	10,000	121,491	10,000	70,248	10,000	40,685
Supplemental 1 Water Capacity	140,035						
DISTRICT ALLOCATION (b)		59,709	29.73%	110,952	55.25%	140,515	69.97%
		0.84	AF/Alloc Ac	1.56	AF/Alloc Ac	1.98	AF/Alloc Ac
Supplemental Supplies - Water User							
Water User - Carryover from 2023 (estimate)	8,041	8,041	113,450	8,041	62,207	8,041	32,644
Kern Water Bank Second Priority - estimate to date (Recharge)/Recovery	-	-	113,450	-	62,207	-	32,644
Kern Water Bank Second Priority - estimated through EOY	-	-	113,450	-	62,207	-	32,644
User Input - actual	-	-	113,450	-	62,207	-	32,644
User Input - estimated through EOY	-	-	113,450	-	62,207	-	32,644
Landowner Transfer	-	-	113,450	-	62,207	-	32,644
Available Supply		67,750		118,993		148,556	
Estimated Demand		181,200		181,200		181,200	
Shortage (Excess)		113,450		62,207		32,644	

** 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 @ 4-Jan-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: January 4, 2024

SUBJECT: Kern County Water Agency - 2024 Indemnification Agreement

Each year, the Kern County Water Agency (Agency) processes several transactions pursuant to Member Unit requests. Several of these transactions do not require the Agency to enter into an agreement with DWR and are approved pursuant to the Agency's annual Board action authorizing the Water Resources Manager to approve routine transfers and exchanges. Transactions approved pursuant to this Agency Board action do require an agreement for the Member Unit to indemnify the Agency from claims of liability for environmental violations and any other claims of liability.

Member Units enter into annual indemnification agreements for transactions that are approved pursuant to the Agency's annual Board action and that do not require an agreement with DWR. This saves time and allows water to move as soon as possible. Agreements that require an agreement with DWR or are outside the purview of the Agency Water Resources Manager's routine approval would still require individual indemnification agreements.

Recommendation: It is recommended that the Board authorize the Engineer-Manager to execute the attached indemnification agreement with the Kern County Water Agency for 2024 transfers and exchanges.

Attachments: KCWA 2023 Indemnification Agreement

Filename: 8.2.c Kern County Water Agency - 2023 Indemnification Agreement

WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: Eric McDaris

DATE: January 5, 2024

SUBJECT: General Authorization for Water Purchases

Historically, the Board has authorized the Engineer-Manager to purchase any water supplies up to a specific amount per acre-foot. The table below details the past eight years of Board water purchase authorizations.

	<u>Supplemental</u>	<u>Subscription</u>	<u>Recharge</u>
2016	\$ 350.00	\$ 900.00	\$ 200.00
2017	\$ 350.00	\$ 900.00	\$ 200.00
2018	\$ 350.00	\$ 900.00	\$ 200.00
2019	\$ 350.00	\$ 900.00	\$ 200.00
2020	\$ 350.00	\$ 900.00	\$ 200.00
2021	\$ 750.00	\$ 900.00	\$ 200.00
2022	\$ 750.00	\$ 1,500.00	\$ 400.00
2023	\$ 800.00	\$ 1,500.00	\$ 400.00
<i>*Recommended 2024*</i>	\$ 650.00	\$ 1,500.00	\$ 400.00

With an initial SWP allocation of 10% and a review of the estimated supplies shown in our initial 2024 Water Supply/Demand Estimate (8.2.a), it is possible to foresee a low allocation equating low supplies, which will render high water costs.

For information purposes only, an analysis of average cost estimates for available 2024 supplies as shown in the initial Water Supply/Demand Estimate (consistent with the recovery rationing policy) provides the following:

	<u>AF</u>	<u>\$/AF</u>	<u>Estimated Cost</u>	
SWP 10% Allocation	19,708	\$2,061	\$40,623,614	
KWB Recovery	16,467	\$301	\$4,970,923	Valued replacement cost rate
District Wells	10,000	\$350	\$3,500,000	Energy + maintenance
	46,176	\$1,063	\$49,094,538	

Recommendation: Based upon the above historical information and what we know at this writing, it is recommended that the Board authorize 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:

Agenda Item 8.2.c

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

◀ WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT ▶

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas

DATE: January 8, 2024

SUBJECT: Interim District Policy for Landowner Recharge and GWSC

Background: In 2023, the District approved a policy for landowner recharge projects (January memorandum attached), instituted the Groundwater Service Charge¹ (GWSC), and also modified the District’s Pilot Recharge project to allow Water Users to recharge their own water supplies for a groundwater account². With that, the Board directed staff to author a policy wherein landowners who have a obtained a banking account through the 2023 recharge operations could recover said account without incurring the GWSC.

Note: This interim policy is subject to any and all applicable laws and requirements including, but not limited to, the requirements of the appropriate sustainable groundwater agency, and any account realized from the 2023 Landowner Recharge Project or this policy is only that, and is subject to change and does not create or constitute a water right or entitlement. The District makes no representation or warrant regarding the validity of any such account and shall be held harmless by any landowner establishing an such account. Currently, the Wheeler Ridge-Maricopa GSA is analyzing a possible groundwater allocation policy that included provisions for landowner recharge projects, and the White Wolf GSA is investigating possible rules for a landowner recharge project.

Interim District Policy for Landowner Recharge and Groundwater Service Charge

1. A landowner may obtain a groundwater account by recharging supplies through a District approved landowner recharge project.
2. The groundwater account is subject to a 10% loss factor. If at some time the applicable GSA modifies the loss factor, only the current groundwater account balance will be subject to the adjustment.
3. Recovery of a groundwater account must occur within the District and the same subbasin

¹ **Resolution No. 2023-07** - Declaring the Results of a Proposition 218 Majority Protest Process and Adopting the Groundwater Service Charge

² **Minutes of the August 2023 Regular Board Meeting - *Discussion of 2024 Carryover***. After a lengthy discussion and upon motion of Director Reiter, seconded by Director Marin and unanimously carried with no abstentions the Board: ... 4. modified the current Pilot Landowner Recharge project to allow Water Users to recharge their own supplies, at their own cost, and receive credits for said recharge subject to a 10% leave behind to the District and any other applicable GSA requirements.

- of which it was recharged.
4. The groundwater account may be transferred between common District landowners within the same subbasin of the District in which it was recharged.
 5. Recovery of a groundwater account is not subject to the GWSC.
 6. Landowners must notify the District when and where they are recovering a groundwater account so as not to be subject to the GWSC.
 7. Landowners are responsible at the sole cost and expense for compliance with existing and future legal or other requirements, if any, that are applicable to the creation or use of a groundwater account including recharge and recovery of water.
 8. This interim policy is also subject to the District's Rules and Regulations and is subject to change.

As the GSA's implement and institute policies and regulations regarding landowner recharge and allocations, it is assumed that the interim policy will be modified as necessary.

Recommendation. It is recommended the Board approve the Interim District Policy for Landowner Recharge and the Groundwater Service Charge.

◀ Wheeler Ridge - Maricopa Water Storage District ▶

Agenda Item 8.8

MEMORANDUM

TO: Board of Directors

FROM: Ad Hoc Committee (Blaine, Fry, Richardson)

DATE: January 9, 2023

SUBJECT: Consider District Policy for Landowner Groundwater Banking Projects

At the regular December 14, 2022 Board meeting, the Board considered a District policy regarding landowner groundwater banking projects that was largely based on the 2018 agreement between the District and SunWorld for a private groundwater bank. The December 12, 2022 memorandum from the Ad Hoc Committee (Directors Blaine, Fry and Richardson) entitled *Consider District Policy for Landowner Groundwater Banking Projects* is attached. Although the Board did not approve the recommended policy, they offered suggestions and possible revisions.

As noted previously, the District has received inquiries regarding potential landowner banking projects within the District. With that, the District could consider a landowner banking policy to be consistent (as possible) between different projects, and to inform landowners who wish to invest in such a project. **It must be noted, however, that any banking facility would be subject to appropriate GSA requirements as well. As groundwater conditions could vary substantially based upon a number of factors (location, geology, water quality, etc.) GSA requirements, including those from the WRMGSA, could deviate drastically between projects, and would be considered on a case-by-case basis.**

Please find below the revised policy. The main revisions include only one option for landowners and revised the priority of rights to said facility.

District Landowner Groundwater Banking Policy

- Landowner pays all costs, including construction, OM&R, management, environment compliance, and any necessary permits. District assistance with CEQA compliance, if applicable, and landowner must indemnify the District.
- Recharge Rights
 - First Priority Rights - Landowner 100%
 - Second Priority Rights - District 100%
 - Landowner may assign rights to other District landowners
- Recovery facilities limited to same subbasin as banking project
- Leave Behind Water - 10% Leave Behind Water accrues to District and/or appropriate GSA (after evaporative losses)
- Landowner may only bank supplies per Rule 12.c. of the District’s Rules and

Regulations¹

- In-lieu delivery available (no evaporative losses)
- All recovered water must be used in-District
- Banking facility subject to appropriate GSA requirements

Recommendation: The Committee recommends submitting the proposed policy and terms to the Board for their consideration and/or approval. Upon approval of the terms, the Board could either approve the policy as presented (and amended, if necessary) or further validate the policy by amending the Rules and Regulations to include this provision.

C:\Users\druth\Downloads\WRM_2022_Ad_Hoc_Landowner_Banking_Comm_Policy_Boardv2.wpd

¹*Rule 12.c. - Water User may recharge specific water types as established by the Board. User Input supplies may not be banked. The Board shall from time to time establish which water types and quantities are eligible for second priority recharge to mitigate local groundwater impacts or for other purposes. It is the District's intent to manage second priority use to avoid increasing local groundwater overdraft consistent with the District project purposes and the sustainable Groundwater Management Act.*

◀ WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT ▶

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas

DATE: January 7, 2024

SUBJECT: 2024 Mobile Lab Funding and 2023 Annual Report

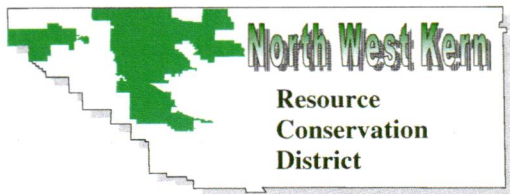
For a number of years, the District has provided financial support for North West Kern Resource Conservation District and its Mobile Lab program. The program provides a service to the landowners within the District by testing their irrigation systems, allowing them to become more efficient. This is a program the District has noted within its Agricultural Water Management Program that it will continue to support.

Please find attached three documents:

1. cover letter from NWKRCDD requesting a minimum contribution from the District of \$5,000;
2. summary of tests that occurred within the District in 2023; and
3. the 2023 Annual Report.

I would also note that after 36 years of service with the RCD, Brian Hockett will be retiring at the end of March. Beth Hilbe was hired in June as the new Assistant Manager, and has been transitioning into the District Manager role. We look forward to working with Beth, and wish Brian all the best in his retirement and commend him for his excellent service to the County and the District..

Recommendation. Funding for the Mobile Lab included in the District budget. Absent other direction from the Board, the Engineer-Manager would authorize staff to proceed with a \$5,000 contribution to North West Kern Resource Conservation District for the Mobile Lab program.



North West Kern Resource Conservation District

5080 California Ave. #150
Bakersfield, CA 93309
(661) 281-2746
(844) 206-6892 fax

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BRAD KROEKER
Associate Director

BRIAN HOCKETT
District Manager

BETH HILBE
Assistant Manager

January 3, 2024

Sheridan Nicholas, Engineer-Manager
Wheeler Ridge-Maricopa Water Storage District
12109 Hwy 166
Bakersfield, CA 93313

Dear Sheridan,

The RCD is again seeking your financial support to maintain this vital program for the water users in your area. With the current water conservation plans that are required of various districts, the Mobile Lab has helped to fulfill the technical aspect of those plans.

We are asking the Wheeler Ridge-Maricopa Water Storage District to again contribute \$5000.00 to the work of the Mobile Lab for the coming year. This will help the RCD in the day-to-day financial obligations that we are faced with in the operation of the lab.

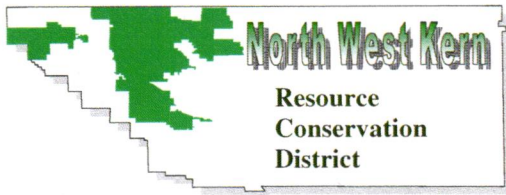
This year will also include a change in leadership for the North West Kern Resource Conservation District. After 36 years of service to the RCD, Brian will be retiring at the end of March 2024. To fill that void, Beth Hilbe was hired in June as the new Assistant Manager. Beth has been transitioning into the District Manager role and looks forward to working with the district.

Thank you for your participation in this program.

Sincerely,

Brian W. Hockett, District Manager

K. Beth Hilbe, Assistant Manager



North West Kern Resource Conservation District

5080 California Ave. #150
 Bakersfield, CA 93309
 (661) 281-2746
 (844) 206-6892 fax

Board of Directors
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 President

JIM GRUNDT
 Vice President

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 Director

BRAD KROEKER
 Associate Director

BRIAN HOCKETT
 District Manager

BETH HILBE
 Assistant Manager

January 2, 2024

Sheridan Nicholas, Engineer-Manager
 Wheeler Ridge-Maricopa Water Storage District
 12109 Highway 166
 Bakersfield, Ca 93313-9630

Dear Sheridan,

Enclosed is a copy of the annual report for the North West Kern Resource Conservation District. The period covered is from January 1, 2023, through December 31, 2023.

The following table summarizes the evaluations that were conducted by the Mobile Irrigation Lab in the Wheeler Ridge-Maricopa area during the 2023 irrigation season.

Table 1. 2023 irrigation season

Grower	System Type	Crop	Acres	DU
Hein Ranch Co.	Micro/sprinkler	citrus	14	65
Hein Ranch Co.	Micro/sprinkler	citrus	53	90
Hein Ranch Co.	Micro/drip	citrus	147	98
Hein Ranch Co.	Micro/sprinkler	citrus	76	83
Total Acres			290	

The North West Kern RCD would like to thank the Wheeler Ridge-Maricopa Water Storage District for their participation in the Mobile Lab program. We look forward to working with the landowners in your district in the upcoming season.

Sincerely,

Brian W. Hockett, District Manager

2023
Annual Report
of the
North West Kern
Resource Conservation District

2023 ANNUAL REPORT

of the

NORTH WEST KERN

RESOURCE CONSERVATION DISTRICT

5080 California Avenue, Suite #150

Bakersfield, CA 93309

DISTRICT DIRECTORS

President	- Gabriel Giesick
Vice-President	- Jim Grundt
Secty-Treasurer	- Bryan Bone
Director	- Craig Fulwyler
Director	- John Gebhardt
Director	- Don Palla
Director	- John Russell
Associate Director	-Brad Kroeker

DISTRICT EMPLOYEES

District Manager	- Brian Hockett
Assistant Manager	- Beth Hilbe
Irrigation Technician	- Caden Viss

NATURAL RESOURCES CONSERVATION SERVICE PERSONNEL

District Conservationist	- Amy Rocha
Soil Conservationist	- Emmanuel Hinojosa
Soil Conservationist	- Breana Garcia
Civil Engineer	- Adriana Chavez
WRP Engineer	- Jose Lule
Farm Bill Assistant	- Ashanti Robertson
Biologist – Amer. Bird Cons.	- Bailey Friedman

GENERAL INFORMATION

The North West Kern Resource Conservation District (RCD) has pursued the goals of the District's Long-Range Work Plan throughout the course of the year, emphasizing Irrigation Water Management (IWM). The boundaries of the RCD encompass a total of 744,800 acres, reaching as far west as the north western portion of Kern County, then along the county line east of Delano, and then almost as far south as Taft, with areas in between that are not included in the boundaries.

NEW EMPLOYEE

After 36 years of service to the RCD, Brian will be retiring at the end of March 2024. To fill that void, Beth Hilbe was hired in June as the new Assistant Manager with the intent of taking the reins once Brian has left the building. Beth has an environmental background and is a good fit for the position as she will be dealing not only with field work doing irrigation evaluations, but also government agencies on the federal, state, and local level. This she has been doing and is transitioning well into the position.

ACKNOWLEDGMENT

The Natural Resources Conservation Service (NRCS) aided the RCD through in-kind services, of which involved the usage of office space, information, materials within the office and office personnel.

MEETINGS

1. Regular meetings of the RCD were held on the third Tuesday of the month.
2. Participated in steering committee meetings for the Poso Creek Integrated Regional Water Management Group on the 1st Tuesday of the month when available.
3. Attended meetings of the Semitropic Water Storage District.

COOPERATIVE EFFORTS

1. Conducted thirteen evaluations in Madera County and four in Kern County at the request of the NRCS under the Environmental Quality Incentives Program (EQIP).

AGREEMENTS

The RCD had two agreements ongoing, and a new one started.

1. Contribution Agreement No. NR239104XXXXC001 (\$52,500.00 for three years) dated October 1, 2022, through September 30, 2025.
2. The district has an agreement with the Almond Board of California for \$30,000.00 to work with almond growers in the San Joaquin Valley.
3. DWR grant through Cal Poly San Luis Obispo as a subcontractor. Subcontract No. 2024-10-48604. (\$322,500.00) dated August 15, 2023, through July 14, 2024.

POSO CREEK

The RCD continues to work with FEMA to restore the levees that were destroyed out near the Kern National Wildlife Refuge when flooding occurred in 2017 (Yes, that was a long time ago). The creek flooded again this year in March which has increased the number of repairs needed on the levees. The RCD continues to work with FEMA, California Department of Fish and Wildlife (CDFW) and Army Corp. of Engineers to repair the damages to the levees. Due to the weather, the creek bed was not dry enough to perform the repairs this summer.

FUNDING

The Mobile Lab is funded through a fee for service. Support from local water districts keeps this fee affordable. In addition, funding is received from the Natural Resources Conservation Service, as mentioned above under ‘Agreements,’ along with monies from the Almond Board of California.

Contributions from water districts to the Mobile Lab for the 2022-2023 fiscal year were as follows:

1. Semitropic WSD	\$	10,000.00
2. Arvin-Edison WSD	\$	6,000.00
3. North Kern Water Storage District	\$	6,000.00
4. Shafter-Wasco ID	\$	6,000.00
5. Belridge WSD	\$	5,000.00
6. Berrenda Mesa Water District	\$	5,000.00
7. Buena Vista Water Storage District	\$	2,500.00
8. Cawelo Water District	\$	5,000.00
9. Wheeler Ridge-Maricopa WSD	\$	5,000.00
10. Lost Hills Water District	\$	5,000.00
11. Kern Delta Water District	\$	4,000.00
12. Southern San Joaquin MUD	\$	4,000.00
13. Delano-Earlimart Irrigation District	\$	5,000.00
13. Henry Miller Water District	\$	2,500.00
14. Rosedale Rio-Bravo WSD	\$	2,000.00
15. Kern-Tulare Water District	\$	1,000.00
Total contributions -	\$	74,000.00

MOBILE LAB PROGRAM ANNUAL PROGRESS REPORT

For services performed from January 1, 2023 to December 31, 2023.

IRRIGATION SYSTEM EVALUATIONS

A total of 157 evaluations were conducted on 18,489 acres during the 2023 irrigation season, with 17 of these being conducted under the NRCS/EQIP Water Conservation program.

Table 1. Summary of evaluations conducted in 2023

System Type	Crop	Number of	Acres Evaluated	Average DU (%)
Drip	almonds	34	4616	89
	citrus	4	235	91
	grapes	29	2886	91
	pistachios	42	5395	89
	tomatoes	1	72	60
Total		110	13205	
Micro Sprinkler	almonds	18	4451	81
	citrus	26	459	80
	pistachios	3	375	73
Total		47	5285	

OBSERVATIONS AND RECOMMENDATIONS

Micro-Irrigation Systems

The main cause of non-uniformity during the irrigation season was due to a variation in system pressures. These variations were typically due to improperly set control valves, plugged hose screens and/or debris that had accumulated in the sub-mains and manifolds causing a reduction in pressure. By resetting valves and cleaning hose screens, most of the problems that occurred in these systems were corrected. With the removal of these problems, overall system uniformity improved dramatically, as shown through later tests.

Other observations and recommendations made during the season included:

1. Installation or replacement of flow meter – The flow meter is an indispensable management tool that can help to monitor the amount of water applied throughout the season. Also, checking the flow meter frequently can help to detect system problems. For example, a steady decline in flow rate may indicate pump wear or a drop in the water level of a well. A slight decline in flow rate can indicate emitter plugging as well.
2. Opening Flush-outs – Upon opening some of the manifold flush outs, it was discovered that the water was very dirty in some systems. Manifold flush-outs should be opened periodically to flush out silt and debris that was not removed by the filters. The frequency at which this should occur will depend on the quality of the irrigation water and the effectiveness of the filters.
3. Hose Flushing – Most water users were very good about flushing hose ends, but in some cases the water coming out the end of the hose was very dirty. With micro-irrigation systems, it is very important to periodically undo the ends of each individual line and flush the dirt and debris from it. If this is not done on a regular basis, the dirty water in the hoses can plug the emitters. Hoses should be flushed as often as necessary depending on the quality of the irrigation water.
4. Emitter Plugging – This was found to be a problem at numerous locations. With micro-irrigation systems, bacteria and algae can build up inside the hoses and emitters and may eventually cause plugging. This can be avoided by regularly injecting chlorine or acid into the system, or some type of material that will promote the breakdown of these clogging agents. Emitters can also be replaced where needed.
5. Hose Screens – Hose screens are valuable for removing large particles that may have escaped from the filter system. However, they can become plugged with algae or debris, thus reducing pressure to a given hose line, and thereby decreasing uniformity to the overall irrigation system. This was found to be the case in some situations throughout the irrigation season, but not as much as in the past as operators are taking out or not even including them in the installation of the system. Chlorine/acid injection can help to prevent this problem from occurring, however, hose screens should be checked periodically for clogging. If they are clogged, they can be rinsed clean or replaced. Not all systems have hose screens installed to avoid this potential plugging problem. Even in some of the older systems, the screens had been taken out.
6. Leaks – It is important that irrigation workers are aware of leaks due to damaged hoses, missing emitters, broken valves, leaky risers, etc. Even a small leak can reduce the pressure in a line and cause a non-uniform application of water. On several occasions, leaks were a contributing factor in the overall non-uniformity of the system. If the leaks are big enough, they can cause substantial water loss.
7. Different Emitter Types – Mixing emitters can adversely affect the distribution uniformity by applying different amounts of water to those plants with different

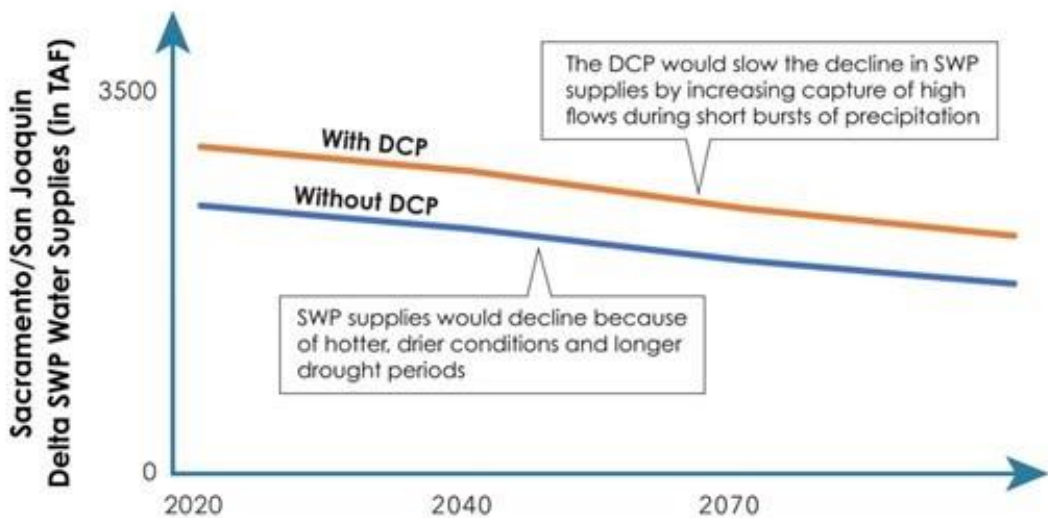
emitter sizes. Emitters are often mixed accidentally by irrigation workers when they come across a broken or plugged emitter in the field. When repairing these emitters,

they may sometimes substitute a different emitter type because it is the only one available at the time. It is essential in this situation to match the replacement emitter with the existing ones in the field to maintain the proper flow and uniformity of the irrigation system. Most of the time, there may be one additional type of emitter due to the above-mentioned situation. On various occasions however, there were several different emitter types in the field, leading to severe non-uniformity.

Preparing for the 2024 irrigation season

As growers are getting ready for the upcoming season, the Mobile Lab will be available to assist them with their irrigation needs. Being an efficient irrigation water manager is essential in today's water environment, as we are faced with many water related challenges that will impact the way we do business in the future.

Delta Conveyance Project approved and Final EIR certified



The Delta Conveyance Project would yield about **500,000 acre-feet of water/year**, which is enough for about **5.2 million people**.

Department of Water Resources Approves Delta Conveyance Project

Published: Dec 21, 2023

Final EIR Certified; Engineering, Design and Permitting to Move Forward

Project Will Capture and Move More Water During Wet Seasons to Better Endure Dry Seasons and Protect Against Earthquake Disruptions to Water Supplies

The Department of Water Resources (DWR) today approved the Delta Conveyance Project, a modernization of the infrastructure system that delivers water to millions of Californians. DWR has certified the [Environmental Impact Report](#) (EIR) and completed an extensive environmental review. DWR selected the “[Bethany Reservoir Alignment](#)” for further engineering, design and permitting.

With the state expected to [lose 10%](#) of its water supply by 2040 due to hotter and drier conditions, the Delta Conveyance Project is a key part of the [California’s Water Resiliency Portfolio](#) and Governor Newsom’s [Water Supply Strategy](#). The project will modernize the state’s water infrastructure to:

- Capture and move more water during wet seasons to better endure dry seasons,
- Minimize future losses from climate-driven weather extremes,
- Protect against earthquakes disrupting water supplies,
- Continue meeting regulatory water quality and fishery requirements, and add new operating rules for further fishery protections,
- Include a Community Benefits Program to ensure local communities get the means and resources to achieve tangible and lasting benefits.

Extreme weather whiplash driven by climate change will result in more intense swings between droughts and floods, intensely straining California’s 60-year-old State Water Project infrastructure. During January’s atmospheric rivers, the Delta Conveyance Project could’ve captured enough water for 2.3 million peoples’ yearly usage.

The environmental review included a 142-day public comment period in which DWR received more than 700 letters and 7,000 individual comments. Outreach began in 2020 and has included a multitude of webinars, workshops, briefings, multi-language informational materials, email updates, videos, animations, tabling at local events, and a comprehensive Delta survey. The Final EIR responds to all substantive comments.

“Today marks another significant milestone in our efforts to modernize state water infrastructure and adapt to the challenges of changing precipitation patterns,” said Karla Nemeth, Director of the California Department of Water Resources. “As our recent white paper [The Economy of the State Water Project](#) shows, the State Water Project is one of the most affordable sources of water in California, and we need to help local water agencies in protecting both reliability and affordability for their ratepayers.”

In certifying the EIR and approving the project, DWR has determined the environmental review complies with the California Environmental Quality Act (CEQA), and the Final EIR reflects public input and DWR’s independent judgment and analysis. DWR has also:

- Adopted [Findings of Fact and Statement of Overriding Considerations](#), identifying which mitigation measures are feasible and therefore must be included in the project approval to address potentially significant environmental impacts
- Adopted a [Mitigation, Monitoring and Reporting Program](#) to create a tracking program for all mitigation that is identified in the findings and included as part of project approval
- Issued [Notice of Determination](#)

- Issued Decisions Regarding the Delta Conveyance Project

“The environmental review process has been thorough and provided us with opportunities to work with the community to minimize potential impacts,” said Carrie Buckman, the project’s Environmental Program Manager. “We are now poised to take the next steps in engineering, design and permitting, and further developing a comprehensive Community Benefits Program.”

An EIR is an important document that evaluates and discloses to public agency decision makers, federal, state and local interested agencies, and the public the potential environmental impacts of a proposed project and alternatives, and identifies feasible mitigation measures to avoid, minimize, or otherwise offset potentially significant impacts.

As a part of project development, DWR made a significant and concerted effort to address local Delta concerns related to the effects of the project on the people of the Delta, Tribes, and disadvantaged members of historic and legacy communities. These efforts helped to avoid and minimize effects on noise, air quality, traffic, power, aesthetics, boating, and land use, among others.

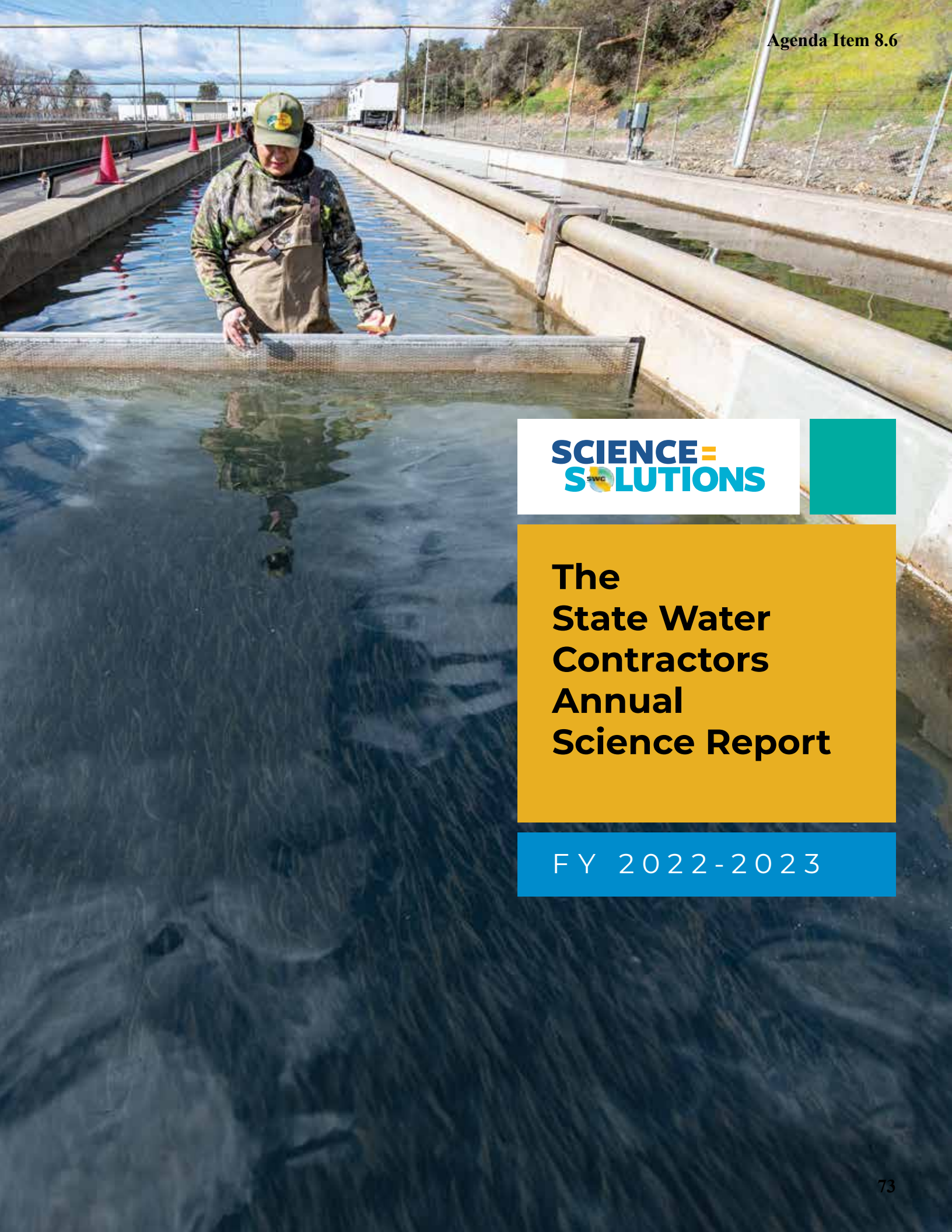
“We made several notable design refinements specifically to avoid or minimize local construction impacts,” said Graham Bradner, Executive Director of the Delta Conveyance Design and Construction Authority, the agency responsible for engineering and design work, and eventually project construction. “We reduced the number of tunnel shafts, chose state-of-the-art fish screens to improve performance and reduce the size of the on-bank structure, and found a way to connect straight to the California Aqueduct. These creative solutions really help to reduce the overall project footprint.”

Now that the environmental review is complete and the project has been approved, DWR will take the next steps to pursue numerous state and federal permits or authorizations, including those required by the State Water Resources Control Board, the Delta Stewardship Council, and compliance with state and federal Endangered Species acts. DWR will also continue to develop a Community Benefits Program. The Delta Construction Authority will provide a new cost estimate and a benefit-cost analysis in mid-2024.

There are 17 public water agencies from the Bay Area, Central Valley, Central Coast, and Southern California participating in the project. Their customers are among the 27 million people and 750,000 acres of farmland that rely on the SWP to provide an affordable source of high quality, clean and safe water.

For more information about the project, visit water.ca.gov/deltaconveyance. For more information about permitting, visit deltaconveyanceproject.com.

Contact: Public Affairs Office, Department of Water Resources, media@water.ca.gov

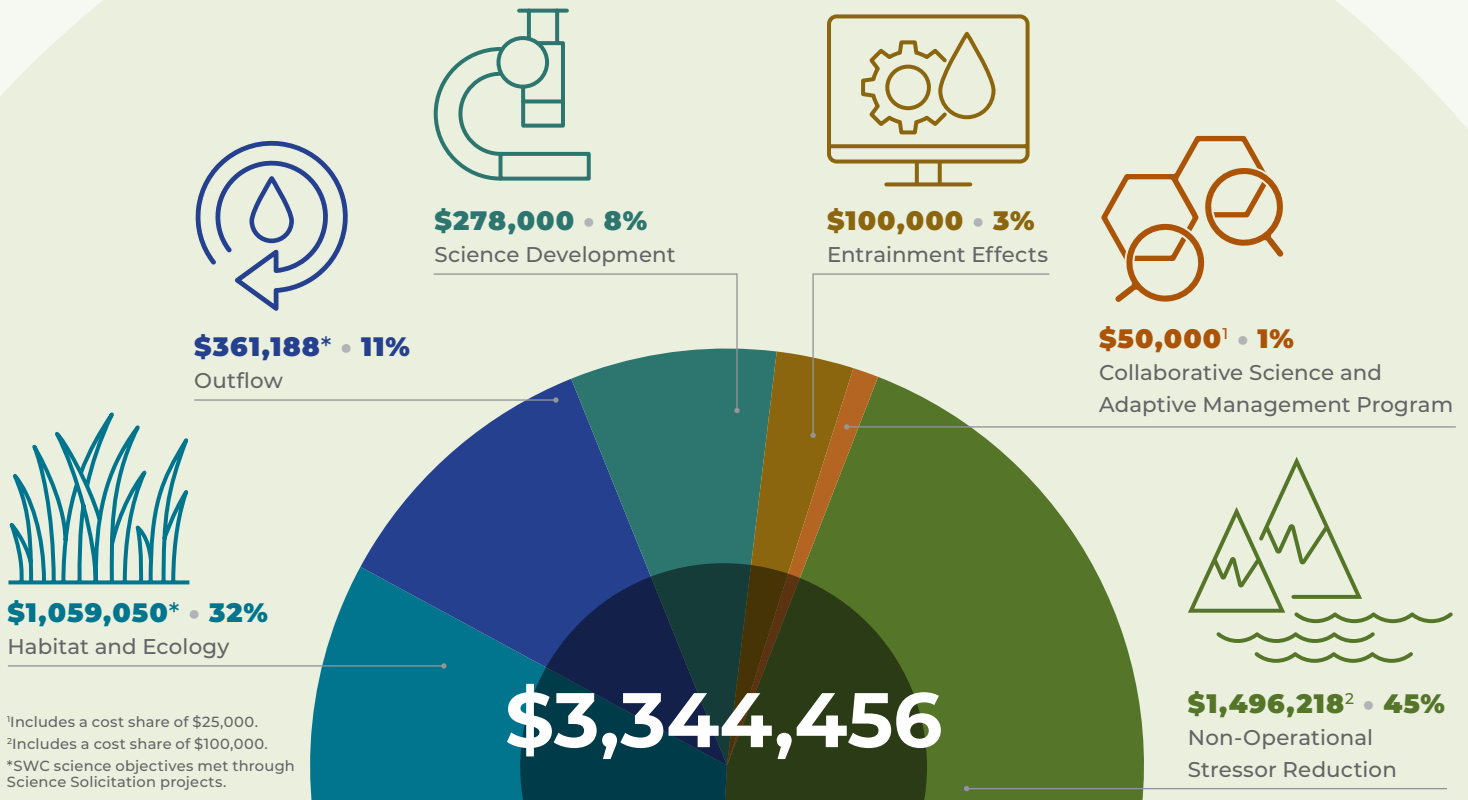


SCIENCE=
SOLUTIONS

**The
State Water
Contractors
Annual
Science Report**

FY 2022-2023

The State Water Contractors' (SWC) Science Program funds rigorous, objective, management-relevant science that helps inform decision-making for the operation of the California State Water Project. Throughout FY 2022-2023, the SWC convened leading water and ecosystem researchers at our symposia and funded over \$3.3 million in research, which included \$2.5 million for the launch of our first-ever science solicitation.



SWC SCIENCE HIGHLIGHTS

Collaborative Science and Adaptive Management Program

The SWC and our member agencies participated in the Delta Smelt Structured Decision Making (SDM) process and co-chaired the salmon recovery effort in coordination with regulatory agencies and environmental organizations.

Entrainment Effects

In response to the turbidity bridge avoidance requirement under the Incidental Take Permit (ITP) and Biological Opinions (BiOps), the SWC provided \$100,000 in rapid funding for Genidaqs (Cramer Fish Sciences lab) to conduct eDNA sampling to detect the presence of Delta and Longfin Smelt, bolstering our understanding of fish movement and risk during high Delta flows. The turbidity bridge requirement restricts how much water can be exported during

high flow events when turbidity in the Delta is high. The purpose of the work was to determine if and where Delta Smelt were present in the South Delta turbidity field, which would provide information on the current and evolving risk of entrainment over time. Read more in "Science with Impact."

Science Development

The SWC hosted a Science Symposium on the Spring-Season San Joaquin River Flows and South Delta Exports (I-to-E Symposium) to highlight the latest scientific understanding of salmonid behavior and survival as it relates to the history of flow and water export regulations, and how water moves through the south and central Delta. Speakers, representing university, regulatory agency and consulting researchers, are now collaboratively developing a manuscript to synthesize the data and information from the symposium with other findings. Read more in "Science with Impact."

FY 2022-2023 SWC SCIENCE SOLICITATION

This year the SWC issued its first-ever science solicitation. The request for proposals (RFP) sought projects to advance the understanding of the San Francisco Bay, the Sacramento-San Joaquin Delta and upper watersheds consistent with the SWC Science Program objectives. The RFP encouraged investigations of how secondary (non-flow) mechanisms affect the growth, migration and survival of Delta and Longfin Smelt, Chinook Salmon and Central Valley steelhead.

The response from the scientific community was impressive and by the end of March, the SWC had received 14 qualified responses, representing over \$9 million in potential studies.

A Transparent Selection Process

Proposals were reviewed for scientific rigor by independent technical experts, who then scored and ranked each submission. A panel of experienced scientists discussed the management relevance of the suite of proposals to inform the final selection.

Final Selection and Funding

In August, the SWC announced that six projects would receive funding. A partnership with the California Department of Water Resources (DWR) provided an additional \$1.5 million, meaning over \$4 million in studies, each directly relevant to SWC objectives, were funded.

The selected projects are:

Proposal Title	Primary Investigator	Budget
Testing and quantifying a conceptual model for the response of Longfin Smelt to outflow	Jason Hassrick, ICF Jones & Stokes, Inc.	\$2,268,406
Evaluation of State Water Project and Central Valley Project influence on Chinook Salmon and steelhead movements and distribution in the South Delta	Michael MacWilliams, Anchor QEA	\$340,750
Improving understanding of survival, mortality and habitat use of emigrating salmonids through applications of multistate survival models	Matt Peterson, FISHBIO	\$315,158
Central Valley and Delta salmon habitat data modeling and management	Rene Henery, Trout Unlimited	\$307,112
Applying a response spectrum model to assess spatial and temporal differences in effects of pesticide mixtures on juvenile Chinook Salmon in the Delta	Richard Connon, UC Davis	\$525,719
Developing a spectral, physically based energy balance model to predict and manage river temperatures for salmon under current and future climates	Erin Bray, San Francisco State University	\$339,311

Total Science Solicitation Funding:

\$4,096,456



SCIENCE SOLICITATION RESEARCHER SPOTLIGHT

Projects funded through the SWC's Science Solicitation will advance our scientific understanding of how management decisions can achieve our goals of protecting fish species and habitats while ensuring a reliable water supply for 27 million Californians and 750,000 acres of productive farmland. What the selected researchers seek to discover with their projects:



Testing and Quantifying a Conceptual Model for the Response of Longfin Smelt to Outflow

“Longfin Smelt... has declined in abundance [in the San Francisco Estuary] and is now listed as a threatened species. Yet its abundance can rebound when spring outflow is high. The focus of our research is to understand how abundance... varies between dry and wet years. Recent evidence shows that an interaction between the complex flow patterns of the estuary and the vertical swimming behavior of Longfin Smelt larvae may improve their survival during wet springs. If further evidence supports this idea, management of spring outflows could be focused to increase survival and subsequent abundance.”

Wim Kimmerer,
*Co-Investigator & Research Professor,
San Francisco State University*

Evaluation of the Influence of State Water Project and Central Valley Project on Chinook Salmon and Steelhead Movements and Distribution in the South Delta

“We are very excited that the State Water Contractors has provided funding to further investigate the effects of water project operations on the Chinook Salmon and steelhead movements and distribution in the South Delta. This project builds on our previous steelhead research conducted with the State Water Contractors under the Delta Science Program and will help us better understand differences in behavior and response of these two species in the South Delta to better inform water project operations.”

Michael MacWilliams,
Principal Investigator, Anchor QEA

Improving Understanding of Survival, Mortality and Habitat Use of Emigrating Salmonids Through Applications of Multistate Survival Models

“Our research would improve our knowledge of how Chinook Salmon and steelhead survive or perish during their migration to the ocean. We will develop numerical models to simultaneously estimate survival and distinguish between sources of mortality. Estimates of the relative strength among different sources of mortality will allow for more targeted management actions that directly address the underlying causes.”

Matt Peterson,
Principal Investigator, FISHBIO



Central Valley and Delta Salmon Habitat Data Modeling and Management

“Recovering salmon in the Central Valley will require us all working together, which in turn requires a toolkit and information base that facilitates common understanding and collaboration. We hope this work will improve our ability to plan and implement habitat projects that work synergistically across the Central Valley landscape. We are grateful to SWC for investing in a more coherent and collaborative future.”

Rene Henery,
Principal Investigator,
Trout Unlimited



Applying a Response Spectrum Model to Assess Spatial and Temporal Differences in Effects of Pesticide Mixtures on Juvenile Chinook Salmon in the Delta

“The purpose of this project is to assess the variation in pesticide bioaccumulation and resulting biological effects in Chinook Salmon through their outmigration routes... By enhancing our understanding of the relationship between contaminant bioaccumulation and effects in juvenile salmonids, the proposed research will enable a predictive assessment of the likelihood of Delta pesticide loadings to cause negative individual-level effects and population declines. Results of the proposed study will provide a framework for evaluation of habitat restoration efforts.”

Richard Connon,
Principal Investigator, UC Davis

Cooling California Rivers: Developing a Spectral Physically Based Energy Balance Model to Predict and Manage River Temperatures for Salmon Under Current and Future Climates

“The overarching question we aim to answer is: How does understanding the mechanics about how rivers warm and cool help us to make decisions based on the best available science to sustain cool temperatures for salmon under a warming climate? We will further develop a model that will not only accurately predict river water temperature but also understand the mechanisms by which rivers warm downstream of dams.”

Erin Bray, Ph.D.,
Principal Investigator, San Francisco State University

SCIENCE WITH IMPACT

The SWC's Science Program funds science to generate new knowledge and start conversations about some of the most pressing California water issues. Below are a few of our investments that advance management-relevant decision-making, support scientific innovation and inform the communication of robust water science:

INVESTING IN INNOVATION

Rapid Detection of Delta and Longfin Smelt

The State Water Project's ITP includes pumping restrictions during "turbidity bridge" conditions to protect Delta Smelt. Modern eDNA sampling may allow for more precise, real-time detection of Delta Smelt to inform water management decisions. To test eDNA's potential application, the SWC funded a two-week survey (Jan. 23 to Feb. 3, 2023) by Cramer Fish Sciences to detect eDNA from Delta and Longfin Smelt at several sites and correlate findings with the field of turbidity's position. Delta Smelt eDNA was not detected during the survey, but Longfin Smelt eDNA was found on two days.

Impact: Innovations in methodology and quick mobilization of this field effort proved to be powerful tools for future rapid fish detections within the context of limiting turbidity permit conditions.



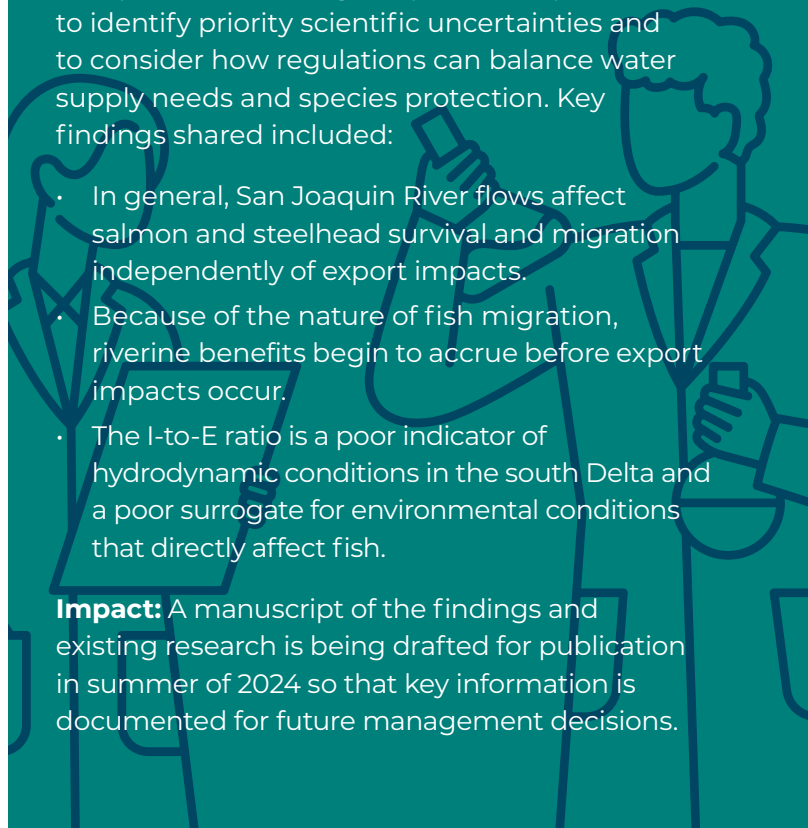
SCIENCE COMMUNICATION

Science Symposium on Spring-Season San Joaquin River Flows and South Delta Exports (I-to-E Workshop)

SWC's Science Symposium brought together experts for a discussion of how the inflow-to-export ratio (I-to-E ratio) performed relative to juvenile salmonids and what studies indicate about the efficacy of the NMFS 2009 Biological Opinion requirements. This workshop also sought to clarify the scientific understanding of export limits during the pulse flow period, to identify priority scientific uncertainties and to consider how regulations can balance water supply needs and species protection. Key findings shared included:

- In general, San Joaquin River flows affect salmon and steelhead survival and migration independently of export impacts.
- Because of the nature of fish migration, riverine benefits begin to accrue before export impacts occur.
- The I-to-E ratio is a poor indicator of hydrodynamic conditions in the south Delta and a poor surrogate for environmental conditions that directly affect fish.

Impact: A manuscript of the findings and existing research is being drafted for publication in summer of 2024 so that key information is documented for future management decisions.

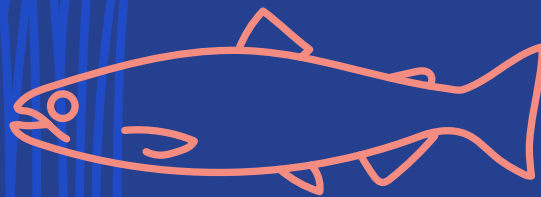


SCIENCE WITH IMPACT (CONT'D) ENHANCING MULTI-BENEFIT MANAGEMENT

California Ricelands Salmon Project — California Rice Commission

The Natural Resources Conservation Service (NRCS), and funding partners such as the SWC joined the California Rice Commission (CRC) to evaluate the survivorship of salmon raised in winter-flooded rice fields. Researchers followed salmon out to the ocean and evaluated the performance of various rice farming practices for salmon rearing. This study helps us understand how rice fields may serve as important habitats for salmonids and how managing rice fields can provide multiple benefits.

Impact: The field team is making management changes to improve implementation, with the benefit of two full seasons of implementing the new draft management practice on full-sized rice fields.



Salmon Eyes and Ears

One critical question related to salmon management in the Central Valley is the extent to which restoring floodplain habitats will provide population-level benefits. SWC-funded researchers are using stable isotopes from fish eye lenses and ear bones (otoliths) to reconstruct migration histories, habitat and food resource utilization for adult and juvenile salmon. Using juvenile and adult samples has allowed for the reconstruction of habitat usage during juvenile rearing intervals.

Impact: With DWR as a new funding partner, the project will expand to reconstruct cohorts across a variety of water year types to see what flow events and habitats are creating opportunities for juvenile fish to recruit into adulthood.



All Images Courtesy of The California Department of Water Resources.

SCIENCE = SOLUTIONS

 [@SWC_CAWater](https://twitter.com/SWC_CAWater)  [State Water Contractors](https://www.facebook.com/StateWaterContractors)  swc.org/science

The State Water Contractors is a statewide, non-profit association of 27 public agencies from Northern, Central and Southern California that purchase water under contract from the California State Water Project. Collectively, the State Water Contractors deliver water to more than 27 million residents throughout the state and more than 750,000 acres of agricultural land. For more information on the State Water Contractors, please visit www.swc.org.



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

MEMORANDUM

TO: Board of Directors

FROM: Sheridan Nicholas

DATE: January 7, 2024

SUBJECT: Approval of Costs for Todd Groundwater, GEI Consultants, and Rincon Consultants

As the Kern Subbasin continues to progress in implementing the Sustainable Management Groundwater Act, a number of tasks must be approved for various reasons. These proposals are being shared equally among the 22 entities within the subbasin. These proposals include:

- a. Approval of Todd Groundwater’s Proposal for Preparation of WY 2023 Kern Subbasin Annual Report.** Todd Groundwater has compiled and prepared the annual report for the Kern Subbasin for a number of years. For the 2023 Annual Report, the cost is \$72,000/\$3,273 to the GSA.
- b. Approval of GEI Consultant’s Task Order for 2024 Kern Subbasin Data Management System.** GEI has hosted and managed the Kern DMS for a couple of years. These costs were previously covered by grant funding. Estimated costs for 2024 are \$46,200/ \$2,100 to the GSA.
- c. Approval of Amendment to Rincon Consultants, Inc.’s Contract Agreement for Kern County SGMA Plan Manager Support.** These are costs associated with Kristin Pattick providing coordination duties related to being the Kern Subbasin Point of Contact with DWR. Total cost of \$120,000 / \$5,455 to the GSA.

The various documents are attached, and have been reviewed by the SOKR Executive Committee who recommended approval by the home GSA Boards.

Recommendation: It is recommended the Board authorize 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.

C:\Users\druth\OneDrive - Wheeler Ridge Maricopa Water SD\Documents - WRMWSD Shared\Management\Shared_AA\Board Mailing January 10, 2024\Prep Docs\8.8 WRMGSA_Memo_2024_Approval_Task_Orders_Rincon_Gei_Todd.wpd



December 5, 2023

MEMORANDUM

To: Kristin Pittack, Kern County Subbasin Plan Manager

From: Michael Maley, Principal Hydrogeologist

Re: Proposal – Preparation of GSP Annual Report for WY2023
Kern County Subbasin Groundwater Sustainability Plans (GSP)

1 INTRODUCTION

The Kern County Subbasin (Subbasin) Groundwater Sustainability Agencies (GSAs) submitted adopted Groundwater Sustainability Plans (GSPs) covering the entire Subbasin to the Department of Water Resources (DWR) on January 31, 2020. Annual Reports are due to DWR “by April 1 of each year following the adoption of the Plan” (§356.2). Subbasin GSAs are cooperating in preparation of the fifth GSP Annual Report covering Water Year (WY) 2023 for the Kern County Subbasin.

Todd Groundwater successfully prepared and submitted the previous four Annual Reports (WY2019 through WY2022) to DWR. We envision working cooperatively with Subbasin GSAs and their consultants to compile and incorporate information that either is currently available or is being collected as part of GSP implementation. In WY2022, the Subbasin Data Management System (DMS) was expanded for uploading of the required water budget data and GSP Implementation Progress Summaries for the Annual Report. As occurred during the preparation of the previous annual reports, we assume that all the Subbasin GSAs will provide their data and information required for the Annual Report in a timely manner to meet the April 1, 2024, submittal deadline. Todd Groundwater will work with the Subbasin Plan Manager (Kristin Pittack) to coordinate communications with Subbasin GSAs and DWR.

2 APPROACH

Preparation of the WY2023 Annual Report will continue to follow regulatory requirements provided in reporting standards for Annual Report data in Article 3 (§352.4) and additional reporting provisions in Article 4 (§353.4). In October 2023, DWR issued a new Guidance¹ document for preparation of Annual Reports that included additional information requirements. The new DWR Guidance document lists three primary sections for the Annual Report. These include:

- Executive Summary
- Data Analysis Summary
- Progress Toward Implementation

¹ Groundwater Sustainability Plan Implementation: A Guide to Annual Reports, Periodic Evaluations & Plan Amendments, California Department of Water Resources, October 2023.

The Executive Summary and Data Analysis Summary sections in the previous Annual Report are in generally consistent with the requirements of the new DWR Guidance document with only minor modifications. The Progress Toward Implementation provided a more detailed description of the reporting requirements than were listed in Article 7 of the GSP regulations (§ 356). These include the following topics to be covered;

- **Current Conditions for Each Sustainability Indicator** - The Report should describe, tabulate, and provide graphical representation of how current sustainability indicator conditions compare to minimum thresholds, interim milestones, and measurable objectives identified in the Plan.
- **Projects and Management Actions (PMAs)** – The Report should provide a description and table(s) of the status and/or progress toward implementing PMAs. The discussion should include the status of each PMAs listed in the GSP (e.g., active, pre-planning, conceptual, inactive), the benefits observed from active PMAs, expected schedule for PMAs in planning stages, and descriptions of anticipated benefits to occur within the next water year.
- **Progress Made on Recommended Corrective Actions** - The Annual Report should describe what actions have been taken during the preceding water year to address recommended corrective actions. This section is for approved GSPs, so will not be included in this Annual Report.
- **Other Information on Implementation Progress** - summarize any agency outreach and engagement during the preceding water year to inform the public of the status of GSP implementation, such as committee meetings, stakeholder engagement, public outreach events, coordination efforts with state and federal agencies, local well permitting and land use planning agencies, and neighboring GSAs.

Addressing these new Annual Report requirements will require additional time, budget and coordination with the Subbasin GSAs to accomplish. Additional information is provided in the Scope of Services.

Todd Groundwater will coordinate with the Subbasin Plan Manager and DMS Group for the for collection of the water budget data and GSP Implementation Progress summaries for the WY2023 Annual Report.

- The target date for getting GSAs to update the DMS with their water budget data and GSP Implementation Progress summaries is January 19, 2024.

The water budget data serves a dual purpose of populating the DWR water budget templates and updating the C2VSimFG-Kern model. Todd Groundwater will generate hydrographs of the Subbasin monitoring network wells that conform with the new DWR Guidance document..

We will continue to use the C2VSimFG-Kern model, following the same technical approach used in the previous annual reports, to support the data analysis for the WY2023 Annual Report. The model has proved to be an efficient tool to develop several of the required regulatory water budgets and other analyses. Specifically, the model will be used to develop change in groundwater in storage (maps and tables), a map of groundwater extractions, and the non-measured components on the four DWR templates. Use of the model for each of these analyses provided technically credible results that are consistent with the water budgets presented in current Subbasin GSPs.

Component #2 of the DWR Round 1 Sustainable Groundwater Management Implementation grant (Basin Study) includes budget for updating the C2VSimFG-Kern input files for the WY2023 Annual Report under Task 5, and therefore, budget for this task is not included in this proposal. However, budget for

post-processing and evaluating of the model results to meet requirements specific to the Annual Report were not covered by the Basin Study and are included in this proposal.

3 SCOPE OF SERVICES

Tasks associated with the proposed scope of services are summarized below. Todd Groundwater intends to follow a similar approach used for previous annual reports to maintain consistency in methodology and presentation.

Task 1: Update Groundwater Conditions and Water Budgets

The guidance from Article 7 of the GSP regulations specified annual reporting requirements that include presentation of water budget data, hydrographs, groundwater elevation maps that are compiled from GSAs, member agencies, and other entities throughout the Subbasin. The existing format is considered to meet the requirements of the new DWR Guidance, so no substantial report format changes are considered necessary for these sections. The generation of hydrographs and water budget data will be performed via the DMS for WY2023. The subtasks described below outline the steps necessary to meet these annual reporting requirements.

Subtask 1A: Review Hydrographs

In compliance with regulatory requirements and the new DWR Guidance document, hydrographs will be prepared for all of the GSP network wells in the Subbasin. These will be as an appendix to the Report. The hydrographs will present overall trends and fluctuations for WY1995 through WY2023, which will be described briefly in the context of water year type. Hydrographs will include the minimum threshold and measurable objective for each well; therefore, any updates to these values will need to be provided by the reporting GSA. A map showing the location of submitted hydrographs will be developed and PDF files of each hydrograph will be included in an appendix of the Annual Report.

Subtask 1B: Prepare Water Budget Templates

DWR provides four required templates documenting water types, sources, and use within the Subbasin. Working with the individual agencies, Todd Groundwater will compile water supply data for the following categories:

- Groundwater Extractions tabulated by water use sector (generally Urban, Agricultural, Managed Recharge, and Other).
- Groundwater extraction measurement methods and accuracy.
- Surface Water Supply tabulated by water use source type.
- Total Water Use.

In accordance with guidance from Article 7 of the GSP regulations, data from more than 40 member agencies, municipalities and other entities throughout the Subbasin will be compiled through the DMS. Metered groundwater extractions, surface water supplies and water use data will be compiled for the DWR water budget templates via the DMS. The C2VSimFG-Kern model update will be used to calculate agricultural water demand. Reported data will be reviewed for consistency with the previous templates and with information provided for the model update. For example, the total surface water supply will be compared to total diversions into the basin to check for potential major discrepancies.

Subtask 1C: Construct Groundwater Elevation Contour Maps

Subbasin-wide water level contour maps for the Primary Principal Aquifer will be developed consistent with interpretations in the previous annual reports. Water level data required for the contour maps will be downloaded from the DMS. For the three additional local Principal Aquifers (Upper Principal Aquifer in the northwest, Santa Margarita Principal Aquifer in the northeast, and the Olcese Principal Aquifer in the east), Todd Groundwater will work directly with the GSAs responsible for those aquifers. It is preferred that the responsible GSA develop the localized groundwater elevation maps to the extent that data are available to better ensure that the interpretation is consistent with their GSP. Todd Groundwater will coordinate with the appropriate agencies to incorporate the Fall 2022 and Spring 2023 maps into the Annual Report.

Subtask 1D: Analyze Change in Groundwater in Storage and Groundwater Extraction

GSP regulations (§ 356.2 (b)(5)(B)) for the Annual Report require both a map and graph of changes in groundwater in storage and groundwater extraction be developed over the entire groundwater basin. Todd Groundwater will develop change in groundwater in storage maps and graphs using the C2VSimFG-Kern model, using the same tool and methodology as in previous annual reports to maintain consistency in the results.

Data for the model update will be compiled by the DMS using similar data templates that were sent to each district in prior years. Todd Groundwater will update the natural hydrology for precipitation and flows in gauged streams (Kern River and Poso Creek). Precipitation data will be updated using publicly available precipitation data from the PRISM Climate Group at Oregon State University. The monthly rainfall data for Kern County for WY2023 will be mapped into C2VSimFG-Kern input files. The Kern River and Poso Creek streamflow for WY2023 will be updated based on locally measured weir data. LandIQ is providing WY2023 ET rates for the Kern County Subbasin. Todd Groundwater will utilize these data sets to develop the WY2023 Annual Report water budget update.

The updated C2VSimFG-Kern subbasin-wide results will be appended to the previous C2VSimFG-Kern results for WY1995 to WY2023 for required water budget tables and graphs. One annual change in groundwater storage map and one groundwater extraction map will be developed for WY2023 for the entire Kern County Subbasin using the updated C2VSimFG-Kern subbasin-wide results. Map generation will follow methodology similar to that used for the previous annual reports.

Task 2: Evaluate GSP Implementation Progress

As GSP implementation progresses, the Subbasin will be evaluating performance with respect to sustainability as part of the Annual Report. To date, this has been performed by each GSA providing a GSP Implementation Summary. In the previous Annual Report, this was expanded to include a summary of changes observed in the basinwide water budgets.

Subtask 2A: Current Sustainability Indicator Conditions

Subtask 2B represents an expanded information of current information for each sustainability indicator applicable to the basin. This is a new requirement from the new DWR Guidance document that will require new and additional data to be added to the Annual Report. These data will be described, tabulated, and presented graphically to represent how current sustainability indicator conditions compare to minimum thresholds, interim milestones, and measurable objectives identified in the Plan,

including an evaluation whether minimum threshold exceedances have occurred and determine if those exceedances constitute an undesirable result in the basin, for each applicable sustainability indicator.

The DWR Guidance document lists the following information to be provided for each sustainability indicator with applicable monitoring and data collected during the previous water year:

- Definition of significant and unreasonable conditions
- Description of sustainable management criteria (minimum threshold, measurable objective and interim milestones, undesirable results)
- Representative monitoring site information (e.g., name and location of well or subsidence InSAR mapping data)
- Measurement information and monitoring methods
- Comparison of measurement to sustainable management criteria
- Discussion of results and potential causes of observed conditions

The DWR Guidance document further recommends assessing whether impacts to beneficial users from changes in groundwater conditions have occurred during the preceding water year. Examples provided include:

- Dry wells
- Subsidence-related infrastructure damage
- Groundwater dependent ecosystem health
- Emergency water shortages
- Changes in water quality
- Extent of seawater intrusion

The current conditions for each sustainability indicator section should also include a description of efforts to fill data gaps during the preceding water year and how new data and information are being applied to improve basin understanding and reduce management uncertainty identified in the Plan. New information obtained from existing wells in the monitoring network during the preceding water year, such as well video surveys, reference elevation surveys, and geophysical data can also be described and used to update the understanding of the basin and the SGMA Portal Monitoring Network Module.

Subtask 2B: Projects and Management Actions (PMAs)

Similar to the previous annual report, each GSA will submit a GSP Implementation Progress Summary via the DMS. Each GSA should provide a summary sentence/paragraph along with a bullet list of the WY2023 GSP activities or actions for their area. Documentation of progress with GSP implementation will need to be consistent with the current Revised GSPs for each GSA. Todd Groundwater will review each summary, and any questions will be directed to the reporting GSA. The final GSP Implementation summaries will be compiled into the WY2023 Annual Report.

The new DWR Guidance document requires that the GSA should provide updates in the Annual Report on implemented, planned, or proposed actions to address observed impacts. The GSP Implementation Progress Summary will be updated to provide a description and table(s) should that include the following:

- status of the various projects proposed in the GSP (e.g., active, pre-planning, conceptual, inactive),

- the benefits observed from active PMAs, expected schedule for projects and management actions in planning stages, and
- descriptions of anticipated benefits to occur within the next water year, to be reported on in the next Annual Report.
- assessment of PMAs necessary to respond to hydrologic or climate conditions and the response of those activities on achieving the sustainability goal for the basin.
- brief evaluation of whether the implementation of PMAs are resulting in adverse impacts to the various sustainability indicators, adjacent groundwater basins, or beneficial uses and users
- methods and processes that occurred during the water year to publicly notice and engage interested parties concerning the status and implementation of PMAs

The Annual Report will provide a consolidated basinwide summary of GSP Implementation that will highlight observations demonstrating the effectiveness of GSP implementation and provide documentation potential issues. The purpose is to provide a more coordinated basinwide summary of GSP Implementation progress for DWR reviewers. This summary will include:

- **GSP Implementation Projects and Management Actions.** This is envisioned as a table intended to highlight the actions that have been taken by the Subbasin GSAs. This table will be based on input provided in the GSA GSP Implementation Progress Summaries (Subtask 2A) and will be accompanied by a brief discussion.
- **Compliance with Exceedance Policy.** This will provide a consolidated summary of exceedances and actions taken during WY2023 based on input provided in the GSA GSP Implementation Progress Summaries (Subtask 2A). The discussion of the exceedances will be presented in context with the overall Subbasin monitoring program results to provide a preliminary assessment of undesirable result status.
- **Water Budget Assessment.** The water budget assessment will include a summary of changes observed in the basinwide water budgets based on the WY2023 data submitted to the DMS and other sources. The evaluation will compare the total recharge, water use and change in groundwater in storage for WY2023 to similar hydrologic years from the 1995 to 2014 Historical Baseline period from the GSPs. The assessment will focus on presenting observations, but will be represented as a preliminary since there are multiple potential factors that may be contributing to the observed changes in water use.

Since this is an expanded component the Annual Report based on the new DWR Guidance document, we anticipate that this section will require considerable review by the Subbasin GSAs before it can be finalized in the Annual Report. Additional requirements that may be added to those outlined above may require an additional scope of work. It is important for Subbasin GSAs for provide timely Annual Report input so that there is sufficient time to prepare and review this section before the April 1, 2024 submittal deadline.

Subtask 2C: • Other Information on Implementation Progress

The Annual Report should summarize any agency outreach and engagement during the preceding water year to inform the public of the status of GSP implementation, such as committee meetings, stakeholder engagement, public outreach events, coordination efforts with state and federal agencies, local well permitting and land use planning agencies, and neighboring GSAs. This summary should include any public comments, feedback, or concerns the GSA has received related to plan implementation over the

previous water year, in writing or during public meetings, and how the GSA has considered those comments.

The Annual should provide information or accomplishments related to implementation efforts that it is using to achieve the sustainability goal for the basin, such as obtaining additional funding. Finally, the GSA should outline anticipated implementation activities and efforts to occur in the upcoming water year, such as planned data gap filling efforts or project and management action implementation.

Task 3: Prepare Administrative Draft, Draft, and Final Annual Report

Task 3 provides for the preparation of the Annual Report document. Prior to the submittal of the Final Report to DWR, Todd Groundwater will prepare a series of draft reports that will be circulated to the Subbasin GSAs for review and comment. The general schedule for the draft and final reports are planned as follows:

- An Administrative Draft Annual Report will provide a near-complete document that will be provided to the Subbasin GSAs for review and comment. Initial results presented in this draft will be presented to the Subbasin GSA Manager Meeting, tentatively scheduled for March 15, 2024.
- A Draft Annual Report will provide a complete document that will address initial comments on the Administrative Draft. This draft will be provided to the Subbasin Coordination Committee for review and comment. This draft will be presented to the Subbasin Coordination Committee, tentatively scheduled for March 25, 2024.
- A Draft Final Annual Report will be provided prior to submittal for any last-minute minor additions or corrections, if necessary.
- The Final Annual Report will be coordinated by Todd Groundwater and the Subbasin Plan Manager for submittal of the report prior to the deadline of April 1, 2024.

The draft report review period will be to address remaining data deficiencies, incorporate comments, and review the report for compliance with Annual Report regulations. Todd Groundwater will respond to comments and coordinate document production during this period. The final report will be prepared as a PDF document that will be uploaded to the DWR SGMA portal and distributed to the Subbasin GSAs.

The DWR Water Budget Templates that will be uploaded separately to DWR along with this Annual Report. Each of the main budget data types will be summarized in the Annual Report along with a brief data description using a similar format as was used for the previous annual reports.

Task 4: Coordination, Communication and Meetings

As indicated above, there will be a need for communication with Subbasin GSAs to obtain comparable data across the entire Subbasin for inclusion in the WY2023 Annual Report. To expedite the process, Todd Groundwater will coordinate with the Subbasin Plan Manager for getting GSAs to update the DMS with their water budget data and GSP Implementation Progress summaries by the January 19, 2024 target date.

Communications may include individual calls/emails with Subbasin agencies, conference calls during periodic meetings of GSA managers, and video conference meetings to present progress to date and

discuss outstanding items or issues. In particular, any questions or contacts with DWR regarding clarifications of Annual Report requirements will be coordinated through the Subbasin Plan Manager.

For budget and planning purposes, two Teams Meeting updates on the Annual Report are assumed as part of this scope. Because of the large number of attendees, the Subbasin Managers Meetings – typically held on Friday mornings – will be used as a forum for data requests, discussion, and comments regarding the Annual Report preparation process.

4 BUDGET AND SCHEDULE

To better facilitate preparation of the WY2023 Annual Report, our work on the Annual Report data requests will begin upon receipt of a notice to proceed. The Todd Groundwater team will include staff members who worked on previous GSP annual reports and are all familiar with the Kern County Subbasin and GSP data in order to meet the regulatory submittal date of April 1, 2024.

Execution of the scope of work described herein is estimated to cost \$71,910. A budget summary by task is provided in Table 1. This cost estimate is considered a not-to-exceed estimate and Todd Groundwater will not exceed this cost without written authorization from the Subbasin GSAs. In addition, work will be conducted on a time and materials basis and only the costs expended will be invoiced. The budget has been lowered this year in consideration of the overlap with Basin Study tasks, but also covers time needed to address items from the new DWR Guidance document.

Please let us know if you have questions regarding this proposal. For the WY2023 Annual Report, time is of the essence, and we stand ready to move the effort forward as soon as possible.

TABLE 1 – Budget Summary to Complete the WY2023 Annual Report

TASKS	ESTIMATED COST
Task 1: Update Groundwater Conditions and Water Budgets	\$16,200
Task 2: Evaluate of GSP Implementation Progress	\$34,480
Task 3: Prepare Administrative Draft, Draft, and Final Annual Report	\$16,890
Task 4: Coordination, Communication and Meetings	\$4,340
TOTAL	\$71,910

5 AUTHORIZATION

Consistent with the terms defined in Kern Subbasin Cost Sharing Agreement for Revising Groundwater Sustainability Plans dated [Date], this Task Order is authorized by the signatures below. The date of execution is _____.

This scope-of-work is authorized by the undersigned:

- By: _____ Jeevan Muhar, General Manager
Arvin-Edison Water Storage District jmuhar@aewsd.org
- By: _____ Tim Ashlock, General Manager
Buena Vista WSD GSA tim@bvh2O.com
- By: _____ David Halopoff, Assistant General Manager
Cawelo Water District dhalopoff@cawelowd.org
- By: _____ Daniel Maldonado, Assistant Water Resources Director
City of Bakersfield drmaldonado@bakersfieldcity.us
- By: _____ Taylor Blakslee, Project Manager
Eastside Water Management Area tblakslee@hgcpm.com
- By: _____ Dominic Sween, General Manager
Henry Miller GSA dsween@igboswell.com
- By: _____ Dave Beard, Manager
Improvement District No. 4 Dbeard@kcwa.com
- By: _____ Steven Teglia, General Manager
Kern Delta Water District steven@kerndelta.org
- By: _____ Vanessa Yap, Staff Engineer
Kern-Tulare Water District vanessa@kern-tulare.com
- By: _____ Brian Grant
Olcese GSA bgrant@nflc.net
- By: _____ David Hampton, General Manager
North Kern Water Storage District dhampton@northkernwsd.com

By: _____ Tom McCarthy, General Manager
Pioneer GSA tmccarthy@kcwa.com

By: _____ Dan Bartel, Engineer-Manager
Rosedale-Rio Bravo Water Storage District dbartel@rrbwsd.com

By: _____ Jason Gianquinto, General Manager
Semitropic Water Storage District jgianquinto@semitropic.com

By: _____ Kris Lawrence, General Manager
Shafter-Wasco Irrigation District klawrence@swid.org

By: _____ Kris Lawrence, General Manager
7th Standard Annex klawrence@swid.org

By: _____ Roland Gross, General Manager/Secretary
Southern San Joaquin Municipal Utility District roland@ssjmud.org

By: _____ Anjelica Martin, Board of Directors Secretary
Tejon Ranch Company amartin@tejonranch.com

By: _____ Greg Hammett, General Manager
West Kern Water Storage District ghammett@wkwd.org

By: _____ Mark Gilkey, General Manager
Westside Water Authority mgilkey@westsidewa.org

By: _____ Sheridan Nicholas, Engineer-Manager
Wheeler Ridge-Maricopa Water Storage District snicholas@wrmwsd.com



November 30, 2023

Consulting
Engineers and
Scientists

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

TASK ORDER FOR KERN SUBBASIN DATA MANAGEMENT SYSTEM (DMS)

GEI developed a Kern Subbasin Data Management System (DMS) specifically for SGMA monitoring and reporting. The DMS is currently hosted on GEI's servers. Maintenance and technical support are provided by GEI's Information Management team and local Project Manager. This Task Order is to provide a Scope of Services, and estimated budget for annual hosting, technical support services, and hosting a user's workshop.

ANNUAL HOSTING AND TECHNICAL SUPPORT SERVICES

Task 1. Hosting

GEI will continue hosting the Kern DMS on a secure, dedicated server, which includes routine server maintenance and assistance with unexpected bug fixes. Hosting fee is \$100 per month.

Deliverables

- Hosting and server maintenance from January 1 through December 31, 2024.

Task 2. Technical Support

Technical support will be billed based on the actual labor effort, with a minimum of 15-minute intervals, and work will be performed on an as-requested basis. GEI has a team of DMS Project Managers (PM) available to support users through dmshelp@geiconsultants.com, or direct communication to your PM Stephanie Hearn, in addition to programmers who support the PMs when necessary. In addition to user support, minor programming efforts such as map updates, fixing bugs or tweaking functionality may also be performed in this task. Recommended budget for technical support from December 2023 through December 31, 2024 is \$20,000.

Deliverables

- As-needed support for data entry, clean-up, data export, and reporting to DWR.

Task 3. Annual Report Data Imports/Exports to Assist Todd Groundwater

GEI assists Todd Groundwater and the Subbasin with gathering data from public databases and/or providing reminders to agencies to ensure all data is compiled in time for running data reports. Assistance is provided for gathering the necessary data, ensuring data is accurately entered into the DMS, and assisting with data exports. Support that has been provided in previous years includes:

- Municipal surface water supplies for Cal Water, City of Bakersfield, East Niles CSD, and Oildale Mutual WC.
- Water use data from cities who do not report water usage to the State Water Board's Conservation Portal (Buttonwillow, Lost Hills, McFarland).
- Obtain wastewater data from North of the River Sanitation District, City of Wasco, and City of

Delano. Download wastewater data for other communities from the Regional Water Board’s database of volumetric wastewater and recycled water.

Additional support is provided for the Section 7 narratives into a contiguous file, performing QAQC review of conservation data (municipal water use), extracting groundwater pumping data, and assisting with reconciling data or performing QAQC as requested by Todd Groundwater. Support with the annual report data is provided by Stephanie Hearn (Project Manager), Cynthia Page (Assistant Project Manager), and Charlie Lay (programmer).

Deliverables

- Data management support, as-requested assistance to Todd Groundwater.
- Annual Report Sections: Section 7 narratives and DWR Water Use Reports.

DMS WORKSHOP

A workshop will be hosted on December 19, 2023 to provide users with a review of the various modules and available functionality. Since the water transactions module is the newest tool, most of the workshop will be focused on teaching users the programming logic, reviewing the formulas for data entry, and providing onsite support to users who would like to work on entering their Water Year 2023 transactions.

GEI is budgeting for Stephanie Hearn and Cynthia Page to host the workshop with an estimated 3.5 hours of overview and at least 2 hours for onsite support to users. A tentative format for the workshop is overview of DMS functions including explanations of how data is used, detailed overview of the water transactions module, and independent data entry time with technical support available.

Participation is open to as many agency staff as needed. An agenda with scheduled timeframes for module reviews will be provided in advance to allow users to select the appropriate time for their participation. In person is recommended for routine users but virtual participation will also be available. Beverages, snacks, and lunch will be provided to in-person participants.

SCHEDULE

Work described in this Task Order will begin upon authorization and will continue through December 31, 2024. The 2024 hosting fee is based on a calendar year from January 1 through December 31, 2024. Technical support will be provided on an as-needed basis. Annual report assistance will be coordinated with Todd Groundwater.

BUDGET

Based on proposed Scope of Work, GEI suggests authorizing a budget of \$46,200, distributed to each subtask summarized in Table 1. All work will be performed on a not-to-exceed, time and materials basis.


Table 1. Budget Summary by Task

Task	Project Description	Total
1	2024 Hosting fee	1,200
2	Technical Support	20,000
3	Annual Report Assistance	15,000
4	DMS Workshop with Annual Report Data Entry Session	10,000
Project Total		\$46,200

GEI AUTHORIZATION


The identified fiscal agent for this Task Order is Buena Vista Water Storage District. Work will be performed consistent with the Professional Services Agreement, exhibit A, dated July 13, 2012. The Scope of Work was developed and is authorized by signatures below. All work will be billed under new GEI project number. Labor effort will be tracked and invoiced on a monthly basis.

Signed by:
 GEI CONSULTANTS, INC.

By: 
 Stephanie Hearn, Project Manager

Date: November 30, 2023

Signed by:
 GEI CONSULTANTS, INC.

By: 
 Mike Cornelius, Principal in Charge

Date: November 30, 2023

AUTHORIZATION

Consistent with the terms defined in Kern Subbasin Cost Sharing Agreement for Revising Groundwater Sustainability Plans dated [Date], this Task Order is authorized by the signatures below. The date of execution is _____.

Authorized by:

By: _____ Jeevan Muhar, General Manager
Arvin-Edison Water Storage District jmuhar@aewsd.org

By: _____ Tim Ashlock, General Manager
Buena Vista WSD GSA tim@bvhd20.com

_____ David Halopoff, Assistant General Manager
Cawelo Water District dhalopoff@cawelowd.org

By: _____ City of Bakersfield	Daniel Maldonado, Assistant Water Resources Director drmaldonado@bakersfieldcity.us
By: _____ Eastside Water Management Area	Taylor Blakslee, Project Manager tblakslee@hgcpm.com
By: _____ Henry Miller GSA	Dominic Sween, General Manager dsween@jgboswell.com
By: _____ Improvement District No. 4	Dave Beard, Manager Dbeard@kcwa.com
_____ Kern Delta Water District	Steven Teglia, General Manager steven@kerndelta.org
By: _____ Kern-Tulare Water District	Vanessa Yap, Staff Engineer vanessa@kern-tulare.com
By: _____ Olcese GSA	Brian Grant bgrant@nflc.net
By: _____ North Kern Water Storage District	David Hampton, General Manager dhampton@northkernwsd.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	Jason Gianquinto, General Manager jgianquinto@semitropic.com
By: _____ Shafter-Wasco Irrigation District	Kris Lawrence, General Manager klawrence@swid.org

By: _____ Kris Lawrence, General Manager
7th Standard Annex klawrence@swid.org

By: _____ Roland Gross, General Manager/Secretary
Southern San Joaquin Municipal Utility District roland@ssjmud.org

By: _____ Angelica Martin, Board of Directors Secretary
Tejon Ranch Company amartin@tejonranch.com

By: _____ Greg Hammett, General Manager
West Kern Water Storage District ghammett@wkwd.org

By: _____ Mark Gilkey, General Manager
Westside Water Authority mgilkey@westsidewa.org

By: _____ Sheridan Nicholas, Engineer-Manager
Wheeler Ridge-Maricopa Water Storage District snicholas@wrmwdsd.com



Rincon Consultants, Inc.
 180 North Ashwood Avenue
 Ventura, California 93003
 805-644-4455

Revised December 6, 2023
 Rincon Project No. 23-14981

Kern County Subbasin Coordination Committee
 Rodney Palla, Coordination Committee Chair
 Kern Delta Water District
 501 Taft Highway, Bakersfield, CA 93307
 Via email: Rodney@rpfarms.com

Subject: Amendment to the Contract Agreement for Kern County Sustainable
 Groundwater Management Agency Plan Manager Support, Kern County,
 California

Rincon Consultants, Inc. (Rincon) is pleased to provide this proposed amendment for continued support of the Kern County Sustainable Groundwater Management Agency (SGMA) Plan Manager position (Plan Manager) in advance of the current Contract Agreement expiration date of December 31, 2023. Kristin Pittack has been supporting the Kern County Subbasin Coordination Committee (Committee) as the hired Plan Manager with Rincon since August 14, 2023. This proposal is prepared to continue providing the requested services through June 30, 2024.

Since October 16, 2023, additional service time has been provided per the direction of the Committee in response to development of a Subbasin GSP which includes:

- Changes from monthly to weekly two (2) hour Committee meetings (Task 1);
- Addition of weekly two (2) hour Managers' Meetings (Task 1);
- Changes from bi-weekly to weekly two (2) hour TWG meetings (Task 2); and
- Recurring virtual meetings with State officials during probationary consultation (Task 3).

The addition and increased frequency of these meetings is necessary to make progress on development of the Kern County Subbasin GSP prior to the probationary hearing. The increased meeting frequency has resulted in coordinated efforts to address Subbasin-wide agreements on the approach for MTs, MOs, URs, GSP development, and supporting relationships with State Agencies, and establishes the path forward for SGMA compliance for basin stakeholders. The Committee has further requested support service time to assist 3rd party consultants in the preparation and submittal of the Subbasin's Annual Report to DWR (Task 4).

Scope of Work

Task 1 Coordination Committee Support

Serving as Plan Manager, Ms. Pittack will continue providing on-call support to the Client. Typical services to be provided under this task will include:



- Organizing weekly Committee Meetings (led by Committee Chair)
- Organizing and facilitating weekly Subbasin Managers' meetings
- Facilitating meetings with California Department of Water Resources (DWR), State Water Resources Control Board (SWRCB), and others
- Upload and maintenance of SharePoint site with Committee materials
- Coordinating subbasin-wide submittal of Spring and Fall groundwater level data
- Facilitating Coordination Committee oversight of Subbasin-wide projects, topics, and project scoring. Administration and management of existing grants will remain with the grantee; however, scheduling subbasin-wide coordination or meetings will be included in the Plan Manager role.

For budgeting purposes, we anticipate up to 16 hours per week that will be required to complete this task throughout the duration of the contract (shared between Ms. Pittack and supporting water resource planner). Additionally, four (4) virtual meetings with the Client monthly for six (6) months is budgeted under this task, and the option of one (1) in-person meeting per month estimated at 114 miles roundtrip.

Deliverables:

- Various documents (meeting agendas, meeting notes, etc.) in Word and PDF format

Task 2 Technical Working Group Support

Serving as Plan Manager, Ms. Pittack will continue to provide support to the GSP Plan Manager and Technical Working Group through the development of the GSP, including weekly meeting coordination and phone and email correspondence. For budgeting purposes, we anticipate up to 8 hours per week will be required to complete this task throughout the duration of the contract.

Deliverables:

- Meeting agendas and meeting notes in Word and PDF format

Task 3 Agency Meetings

Serving as Plan Manager, Ms. Pittack will provide support as the SGMA Point-of-Contact between the Kern County Subbasin, DWR, and the SWRCB by attending public hearings and meetings as directed by the Coordination Committee, including providing agency meeting coordination and phone and email correspondence. For budgeting purposes, we anticipate up to five (5) virtual meetings with SWRCB and two (2) DWR/SWRCB virtual quarterly meetings to occur throughout the duration of the contract (shared between Ms. Pittack and supporting water resource planner).

Deliverables:

- Meeting agendas and meeting notes in Word and PDF format



Task 4 Subbasin Annual Report Support

Serving as Plan Manager, Ms. Pittack will provide support to assist the existing 3rd party consultants contracted for the Subbasin’s Annual Report formation, including coordination of discussions with contracted consultants, individual GSAs to obtain needed report information and data, and DWR for final report submittal. For budgeting purposes, we anticipate up to 20 hours to complete this work.

Assumptions

This scope of work assumes the following:

- Estimated 6-month timeline from January to June 2024. If services extend beyond 6-months, a contract and budget amendment for program support and management will be necessary.
- Additional services may be needed during the estimated contract timeframe based on the Client’s need; the Client may request a contract amendment for additional services provided by Rincon.

Cost

As shown in Table 1 below, the estimated cost for this scope is \$118,593.

Table 1 Cost Summary

Task	Estimated Cost
Task 1 Coordination Committee Support	\$72,768
Task 2 Technical Working Group Support	\$36,400
Task 3 Agency Meetings	\$5,925
Task 4 Subbasin Annual Report Support	\$3,500
Total	\$118,593

Note: Rincon reserves the right to escalate hourly billing rates at the beginning of each calendar year.

Thank you for your consideration and for this opportunity to support this position. If you have any questions regarding this proposal, please contact me at 760-930-7671 or rprickett@rinconconsultants.com, or Kristin Pittack at 760-223-5062 or kpittack@rinconconsultants.com.

Sincerely,
Rincon Consultants, Inc.

Rosalyn Prickett
Principal

PROJECT BUDGET

Client Name: Kern SGMA Coordination Committee
Project: Kern County SGMA Plan Manager

Task Description	Labor Rates			Hours				Expenses		TOTALS
	Supervisor II	Planning		Total Hours		TOTAL LABOR	Mileage	TOTAL NON-LABOR EXPENSES		
		Senior Supervisor I	Senior Professional I (adjusted rate)	Professional I						
Services	\$285	\$175	\$150							
1 - Coordination Committee Support (January 2024 to June 2024 - 428 hours total for 26 weeks)										
- General Coordination Support (Email and Phone Correspondence, Miscellaneous Tasks as identified under Task 1) - 4 hrs/week - 116 hours total	12.0	104.0		116.0		\$21,620	\$448	\$448	\$22,068	
- Weekly Committee Virtual/In-Person Meeting Support (Agenda Preparation, Meeting Attendance/Updates, Meeting Notes) - 6 hrs/week - 156 hour total		78.0	78.0	156.0		\$25,350	-	\$0	\$25,350	
- Weekly Managers Virtual Meeting Support (Agenda Preparation, Meeting Facilitation, Email and Phone Correspondence, Meeting Notes) - 6 hrs/week - 156 hours total		78.0	78.0	156.0		\$25,350	-	\$0	\$25,350	
2 - Technical Working Group Support (January 2024 to June 2024 - 208 hours total for 26 weeks)										
- General Coordination Support (Email and Phone Correspondence, Miscellaneous GSP Tasks as Needed) - 2 hrs/week - 52 hours total		52.0		52.0		\$9,100	-	\$0	\$9,100	
- Weekly Virtual Meeting Support (Agenda Preparation, Meeting Facilitation Support, Meeting Notes) - 4 hrs/week - 104 hours total		104.0		104.0		\$18,200	-	\$0	\$18,200	
- GSP Coordination with Project Manager (Email and Phone Correspondence, Weekly Update Meetings) - 2 hrs/week - 52 total		52.0		52.0		\$9,100	-	\$0	\$9,100	
3 - Agency Meetings (7 meetings total for 26 weeks)										
- SWRCB Virtual Meetings (Meeting Preparation, Agenda Creation, Attendance, Notes to CC Members) - 6 hrs x 5 mtgs		15.0	15.0	30.0		\$4,875	-	\$0	\$4,875	
- DWR/SWRCB Quarterly Virtual Meetings (Attendance, Meeting Notes) - 3 hrs x 2 mtgs		6.0	6.0	6.0		\$1,050	-	\$0	\$1,050	
4 - Subbasin Annual Report Support (20 hours total for 26 weeks)										
- Coordination with consultants for report preparation and submittal		10.0		10.0		\$1,750	-	\$0	\$1,750	
- Coordination with individual GSAs for information and data collection		5.0	5.0	5.0		\$875	-	\$0	\$875	
- Coordination with DWR for plan submittal		5.0	5.0	5.0		\$875	-	\$0	\$875	
Subtotals	12.0	509.0	171.0	692.0		\$118,145	\$448	\$448	\$118,593	
TOTALS	12.0	509.0	171.0	692.0		\$118,145	\$448	\$448	\$118,593	



Standard Fee Schedule for Environmental Sciences and Planning Services

Professional, Technical, and Support Personnel*	July 1 – December 31, 2023
Senior Principal	\$308
Principal	\$297
Director	\$297
Senior Supervisor II	\$282
Supervisor I	\$263
Senior Professional II	\$246
Senior Professional I	\$230
Professional IV	\$204
Professional III	\$189
Professional II	\$168
Professional I	\$150
Associate III	\$126
Associate II	\$113
Associate I	\$105
Field Technician	\$91
Data Solutions Architect	\$189
Senior GIS Specialist	\$181
GIS/CADD Specialist II	\$161
GIS/CADD Specialist I	\$145
Technical Editor	\$142
Project Accountant	\$121
Billing Specialist	\$103
Publishing Specialist	\$116
Clerical	\$103

* Professional classifications include environmental scientists, urban planners, biologists, geologists, marine scientists, GHG verifiers, sustainability experts, cultural resources experts, and other professionals. Expert witness services consisting of depositions or in-court testimony are charged at the hourly rate of \$400.

Reimbursable Expenses

Direct Cost	Rates
Photocopies – B/W	\$0.25 (single-sided), \$0.45 (double-sided)
Photocopies – Color	\$1.55 (single-sided), \$3.10 (double-sided)
Photocopies – 11” by 17”	\$0.55 (B/W), \$3.40 (color)
Oversized Maps	\$8.50/square foot
Digital Production	\$15/CD, \$20/flash drive
Light-Duty and Passenger Vehicles*	\$90/day
4WD and Off-Road Vehicles*	\$150/day

*Current IRS mileage rate for mileage over 50 and for all miles incurred in employee-owned vehicles.

Other direct costs associated with the execution of a project, that are not included in the hourly rates above, are billed at cost plus 16%. These may include, but are not limited to, laboratory and drilling services, subcontractor services, authorized travel expenses, permit charges and filing fees, mailings and postage, performance bonds, sample handling and shipment, rental equipment, and vehicles other than covered by the above charges.

Annual Escalation. Standard rates subject to 3.5% annual escalation, on January 1.

Payment Terms. All fees will be billed to Client monthly and shall be due and payable upon receipt or as indicated in the contract provisions for the assignment. Invoices are delinquent if not paid within 10 days from receipt or per the contractually required payment terms.

Effective July 1, 2023



Equipment	Rate
Environmental Site Assessment	
Soil Vapor Extraction Monitoring Equipment	\$160
Four Gas Monitor	\$137
Flame Ionization Detector	\$110
Photo Ionization Detector	\$82
Hand Auger Sampler	\$62
Water Level Indicator, DC Purge Pump	\$46
CAPDash	\$7,500
Natural Resources Field Equipment	
UAS Drone	\$276
Spotting or Fiberoptic Scope	\$170
Pettersson Bat Ultrasound Detector/Recording Equipment	\$170
Sound Level Metering Field Package (Anemometer, Tripod and Digital Camera)	\$113
GPS (Submeter Accuracy)	\$67
Infrared Sensor Digital Camera or Computer Field Equipment	\$57
Scent Station	\$23
Laser Rangefinder/Altitude	\$11
Pitfall Traps, Spotlights, Anemometer, GPS Units, Sterilized Sample Jar	\$9
Mammal Trap, Large/Small	\$1.55/\$0.55
Water and Marine Resources Equipment	
Boat (20-foot Boston Whaler or Similar)	\$800
Multiparameter Sonde (Temperature, Conductivity, Turbidity, DO, pH) with GPS	\$170
Water Quality Equipment (DO, pH, Turbidity, Refractometer, Temperature)	\$62
Refractometer (Salinity) or Turbidity Meter	\$38
Large Block Nets	\$114
Minnow Trap	\$98
Net, Hand/Large Seine	\$57
Field Equipment Packages	
Standard Field Package (Digital Camera, GPS, Thermometer, Binoculars, Tablet, Safety Equipment, and Botanic Collecting Equipment)	\$114
Remote Field Package (Digital Camera, GPS, Thermometer, Binoculars, Tablet and Mifi, Delorme Satellite Beacon, 24-Hour Safety Phone)	\$144
Amphibian/Vernal Pool Field Package (Digital Camera, GPS, Thermometer, Decon Chlorine, Waders, Float Tube, Hand Net, Field Microscope)	\$170
Fisheries Equipment Package (Waders, Wetsuits, Dip Nets, Seine Nets, Bubblers, Buckets)	\$57
Underwater and Marine Sampling Gear (Photo/Video Camera, Scuba Equipment [Tanks, BCD, Regulators, Wetsuits, etc.])	\$57/diver
Marine Field Package (Personal Flotation Devices, 100-foot Reel Tapes with Stainless Carabiners, Pelican Floats, Underwater Slates, Thermometer, Refractometer, Anemometer, Various Field Guides)	\$100
Insurance, Hazard, and Fees	
Historic Research Fees	\$55
L&H Dive Insurance	\$57/diver
Level C Health and Safety	\$70/person



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4. Oswell Regulating Facility Recoating Project
 - a. Authorization to Execute the Notice of Award for the Oswell Regulating Facility Recoating Project – Contract No. KCWA 2023-05
 - b. Authorization to Retain a Construction Management Services Consultant for the Oswell Regulating Facility Recoating Project – Contract No. KCWA 2023-05

IX. Correspondence

X. Brief Report on Potential New Business

XI. 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 December 15, 2023.


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 AUTHORITY

Regular Meeting of Board of Directors
Tuesday, January 9, 2024, 3:00 P.M. ⁱ
Kern Water Bank Authority Conference Room
1620 Mill Rock Way, Suite 500, Bakersfield, California
and
Teleconference Location
1106 N. 27th Street, Tacoma, WA 98403

This meeting is held in accordance with the Brown Act pursuant to Section 54950, et seq. of the California Government Code and the Kern Water Bank Authority Joint Powers Agreement.

1. Roll Call

2. Approval of Minutes

December 12, 2023 Regular Board of Directors Meeting.

3. Treasurer's Report

Submission of the December 2023 Treasurer's Report for approval.

4. Authorization to Pay Expenses of Authority

Submission of the December 2023 accounts payable for approval to pay.

5. Reports

A. Staff Report

Review and possibly act on previously submitted Staff Report and staff recommendations regarding:

- (1) Water Bank Operations
- (2) 3rd Party Facilities on Kern Water Bank
- (3) Adjacent Properties
- (4) KWBA HCP/NCCP and Land Management
- (5) Capital Improvements and Funding Status
- (6) Power Study
- (7) Data Management Change
- (8) Banking Update

B. Directors, Counsel, and Committee Reports

The Board of Directors will hear and possibly act on reports and recommendations:

- (1) Kern Fan Monitoring Committee
- (2) Kern Groundwater Authority
- (3) Engineering Committee

6. Old Business

This portion of the meeting is set aside for the discussion of matters which have been addressed at previous Board meetings.

7. New Business

This portion of the meeting is set aside to provide the Board an opportunity to bring to the attention of the other Board members and the public, matters which have come to their attention, subject to certain exceptions. No action can be taken on any matter discussed during this portion of the meeting; however, a Board member may request that a subject be placed on any future agenda.

8. Public Input

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board members, matters of which the Board may not be aware, subject to certain exceptions. No action can be taken on any matter discussed during this portion of the meeting; however, a Board member may request that a subject be placed on any future agenda.

9. Closed Session

The Board will meet in a closed session and possibly act on the following:

- A) Conference with Legal Counsel - Pending Litigation (Gov't. Code section 54956.9(d)(1)).
 - 1) Various Applications to appropriate Kern River water, complaint, and related proceedings before the State Water Resources Control Board.
 - 2) KWBA v. Kern LAFCo (Kern County Sup. Ct., Case No. BCV-21-101310-GP, Fifth Appellate Dist., Case No. F085669).
- B) Conference with Legal Counsel - Anticipated Litigation: Initiation of litigation pursuant to Gov't. Code section 54956.9(d)(4). Two potential litigations.
- C) Conference with Legal Counsel - Anticipated Litigation: Significant exposure to litigation pursuant to Gov't Code section 54956.9(d)(2). Two potential litigations.
- D) Conference with Real Property Negotiator – Gov't. Code section 54956.8.

KWBA Representative: General Manager
Under Negotiation: Price and Terms of Payment
Negotiating Parties: Kern County Water Agency (KCWA) and KWBA
Property: Basin 11 and KCWA Pioneer Project Easement and Joint Use Agreement

- E) Conference with Real Property Negotiator – Gov't. Code section 54956.8.

KWBA Representative: Assistant General Manager
Under Negotiation: Price and Terms of Payment
Negotiating Parties: KWBA and Various Property Owners
Properties: Various

F) Public Employment – Gov’t Code section 54957
Personnel: General Manager; Assistant General Manager; Facilities and Operations
Manager.

10. Reconvene and Report from Closed Session (Gov’t. Code section 54957.1)

11. Adjourn

ⁱ 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 AUTHORITY

Regular Meeting of Board of Directors
Tuesday, January 9, 2024, 3:00 P.M. ⁱ
Kern Water Bank Authority Conference Room
1620 Mill Rock Way, Suite 500, Bakersfield, California
and
Teleconference Location
1106 N. 27th Street, Tacoma, WA 98403

This meeting is held in accordance with the Brown Act pursuant to Section 54950, et seq. of the California Government Code and the Kern Water Bank Authority Joint Powers Agreement.

1. Roll Call

2. Approval of Minutes

December 12, 2023 Regular Board of Directors Meeting.

3. Treasurer's Report

Submission of the December 2023 Treasurer's Report for approval.

4. Authorization to Pay Expenses of Authority

Submission of the December 2023 accounts payable for approval to pay.

5. Reports

A. Staff Report

Review and possibly act on previously submitted Staff Report and staff recommendations regarding:

- (1) Water Bank Operations
- (2) 3rd Party Facilities on Kern Water Bank
- (3) Adjacent Properties
- (4) KWBA HCP/NCCP and Land Management
- (5) Capital Improvements and Funding Status
- (6) Power Study
- (7) Data Management Change
- (8) Banking Update

B. Directors, Counsel, and Committee Reports

The Board of Directors will hear and possibly act on reports and recommendations:

- (1) Kern Fan Monitoring Committee
- (2) Kern Groundwater Authority
- (3) Engineering Committee

6. Old Business

This portion of the meeting is set aside for the discussion of matters which have been addressed at previous Board meetings.

7. New Business

This portion of the meeting is set aside to provide the Board an opportunity to bring to the attention of the other Board members and the public, matters which have come to their attention, subject to certain exceptions. No action can be taken on any matter discussed during this portion of the meeting; however, a Board member may request that a subject be placed on any future agenda.

8. Public Input

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board members, matters of which the Board may not be aware, subject to certain exceptions. No action can be taken on any matter discussed during this portion of the meeting; however, a Board member may request that a subject be placed on any future agenda.

9. Closed Session

The Board will meet in a closed session and possibly act on the following:

- A) Conference with Legal Counsel - Pending Litigation (Gov't. Code section 54956.9(d)(1)).
 - 1) Various Applications to appropriate Kern River water, complaint, and related proceedings before the State Water Resources Control Board.
 - 2) KWBA v. Kern LAFCo (Kern County Sup. Ct., Case No. BCV-21-101310-GP, Fifth Appellate Dist., Case No. F085669).
- B) Conference with Legal Counsel - Anticipated Litigation: Initiation of litigation pursuant to Gov't. Code section 54956.9(d)(4). Two potential litigations.
- C) Conference with Legal Counsel - Anticipated Litigation: Significant exposure to litigation pursuant to Gov't Code section 54956.9(d)(2). Two potential litigations.
- D) Conference with Real Property Negotiator – Gov't. Code section 54956.8.

KWBA Representative: General Manager
Under Negotiation: Price and Terms of Payment
Negotiating Parties: Kern County Water Agency (KCWA) and KWBA
Property: Basin 11 and KCWA Pioneer Project Easement and Joint Use Agreement

- E) Conference with Real Property Negotiator – Gov't. Code section 54956.8.

KWBA Representative: Assistant General Manager
Under Negotiation: Price and Terms of Payment
Negotiating Parties: KWBA and Various Property Owners
Properties: Various

F) Public Employment – Gov’t Code section 54957
Personnel: General Manager; Assistant General Manager; Facilities and Operations
Manager.

10. Reconvene and Report from Closed Session (Gov’t. Code section 54957.1)

11. Adjourn

ⁱ 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 AUTHORITY

MEMORANDUM

To: KWBA Board of Directors; Steve Torigiani

From: KWBA Staff

Date: January 9, 2024

Subject: Monthly Status Report

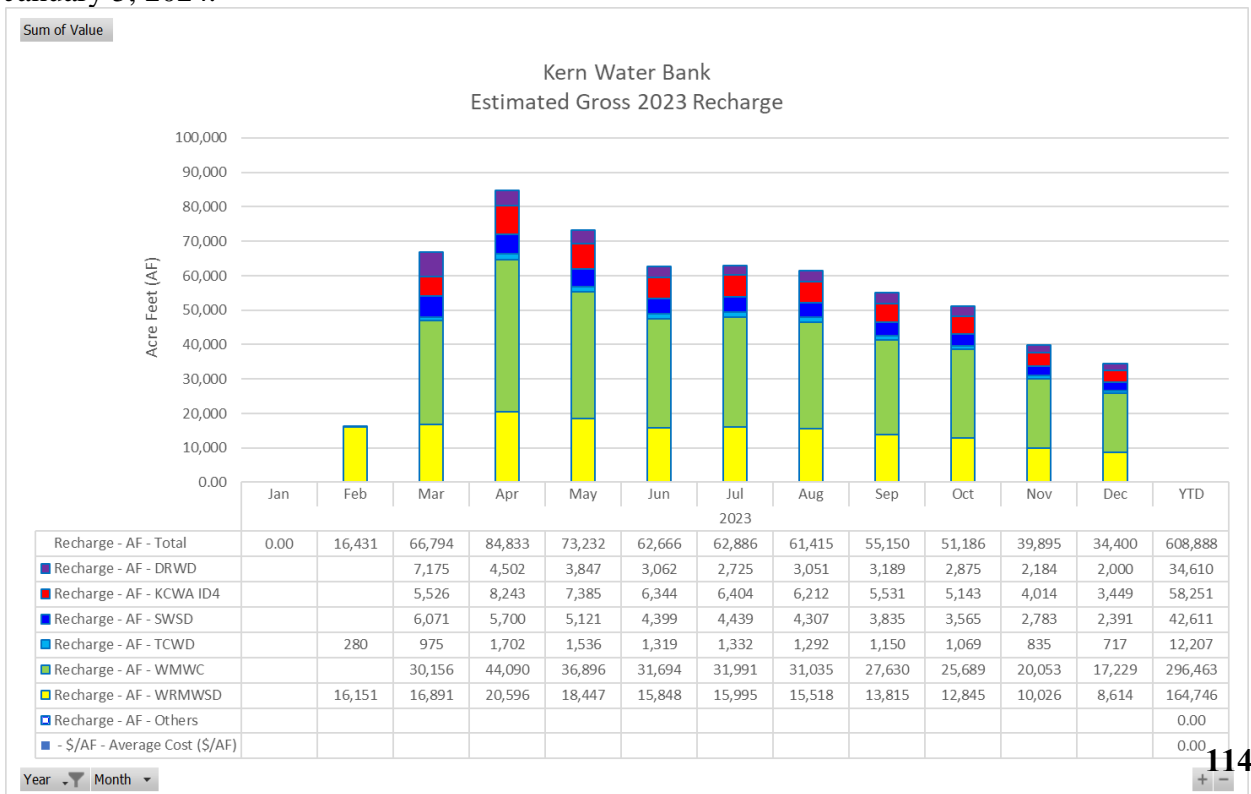
CALENDAR

- January 9 - KWBA Regular Board of Directors Meeting (3:00 P.M.)
- February 13 - KWBA Regular Board of Directors Meeting (3:00 P.M.)
- February 19 - Presidents' Day (holiday observed)

OPERATIONS

Recharge

Recharge activities commenced on February 2, 2023, and ceased on February 23, 2023. Recharge activities resumed on March 3, 2023 and have continued, with current flows at approximately 540 cfs. Estimated November and December 2023 gross recharge is approximately 40,000 and 34,500 acre-feet respectively, for an estimated gross recharge of 609,000 acre-feet to date. Recharge activities ceased on December 4 due to deferred maintenance and some electrical damage on California Aqueduct facilities. Recharge activities resumed December 9, 2023. As of January 1, 2024 only DRWD, STWSD and TCWD were recharging in the KWB Project. TCWD ceased recharge operations on January 5, 2024.



Recovery

No current recovery operations.

FACILITIES

Facilities Maintenance

Routine maintenance continues on roads, water delivery structures, pumping stations, and canals to accommodate recharge activities. Gillex is currently doing temporary repairs on several roads, ponds, and other areas due to seepage from recharge basins.

Vegetation Management and Grazing

Spraying, tumbleweed removal, mowing along fence lines, structures, and around wells continues. Grazing is occurring throughout all areas on the Kern Water Bank.

THIRD PARTIES

No Report.

ENVIRONMENTAL – GENERAL AND HCP ISSUES

Conservation Bank

Eighteen Conservation Bank Credits were purchased in 2023.

CONSTRUCTION

Capitalized Maintenance Program

Turnout replacements are currently on hold due to recharge activities.

Replacement Wells

Well 30S/26E-7N01- The well is being replaced by well 30S/26E-07N02, which has been drilled, cased, swabbed and developed. Underground electrical, well pad foundation, and perimeter flatwork are complete. Discharge pipe will be completed when recharge activities cease. Well enclosure and other miscellaneous items are pending.

Standby Wells

Wells 30S/25E-09D01, 20D01, 12J01, and 3L02 have been drilled, cased, swabbed, developed, and all well pad foundations have been poured. BWP has installed all the casing, tube, shaft, pumps, motors and electrical panels. BWP has installed underground electrical conduit and poured the perimeter foundation at well 9D01, 20D01 and 12J01 and 3L02. Well discharge construction started on wells 20D01 and 12J01. Well enclosure and other miscellaneous items are pending.

Well Rehabilitation and Repairs

There are currently no wells under rehabilitation or repair.

Capital Improvements/Repairs and Replacement

Basin 11

Turnouts are complete and (4) have been delivered to the job site. Pipes and gates have been delivered to Nicholas Construction's yard. Construction is currently on hold until recharge operations and legal agreements are complete.

Strand Siphon Replacement

The Strand Siphons are not currently in use but are operational. Replacement facilities using a turnout onto Strand Ranch have been designed. Currently waiting for Irvine's review of encroachment and joint-use agreements. Construction will be delayed until recharge operations are complete.

Enos Lane Culvert

Meyer Engineering has started detailed design and Caltrans permit work to proceed with the Enos Lane Culvert expansion.

ADMINISTRATIVE

Power Study

Staff and outside consultants are currently evaluating locations for a solar facility that would be owned by the KWBA and utilize Net Energy Metering 2A (NEM2A). In addition, several developers are being contacted to determine the level of interest in a proposed PPA.

Data Management Change

Staff is continuing to evaluate the size and scope of the various data sets utilized by the KWBA to determine the optimal database and reporting tools to recommend to the Board.

Banking

U.S. Bank has set up sweeps to move the daily cash float into interest earning investment accounts. The KWBA earned \$29,768.82 in interest on the cash float invested in the US Band investment account for the month of December.

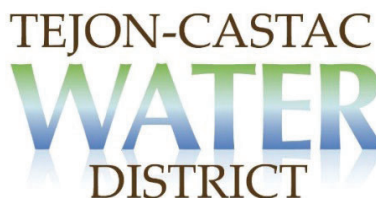
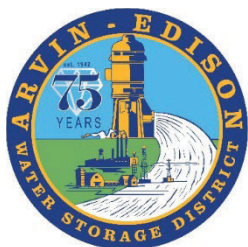
Retirement Plans

Staff has interviewed four fiduciaries, Shuster Advisory Group, Freedom Planning and Wealth Advisors, Holly Bear of Raymond James, and Western Growers Financial Services to replace Tom Webb to manage the 401(a) and 457(b) retirement plans.

Management will conduct group meetings with staff to get their input on the choice of fiduciary to replace Tom Webb.

Network Management

Bill Kizer a cyber intelligence analyst with the Sacramento County Sheriff's Office Central Intelligence Center will be performing a network vulnerability assessment on the KWBA's computer networks and systems. This service is provided at no charge through a program administered by the Department of Homeland Security.



South of Kern River Executive Committee Regular Meeting

Monday, December 18, 2023

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 NOVEMBER 21, 2023 MEETING MINUTES
6. PUBLIC COMMENT
7. REPORT ITEMS
 - a. GSP Manager Report (*Muhar*)
 - i. Basin Coordination
 - b. Technical Consultant Report (*EKI*)
 - i. Technical Working Group (TWG) Update
 - ii. Report on technical meeting with State Water Resources Control Board (SWRCB) Staff
 - 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*)

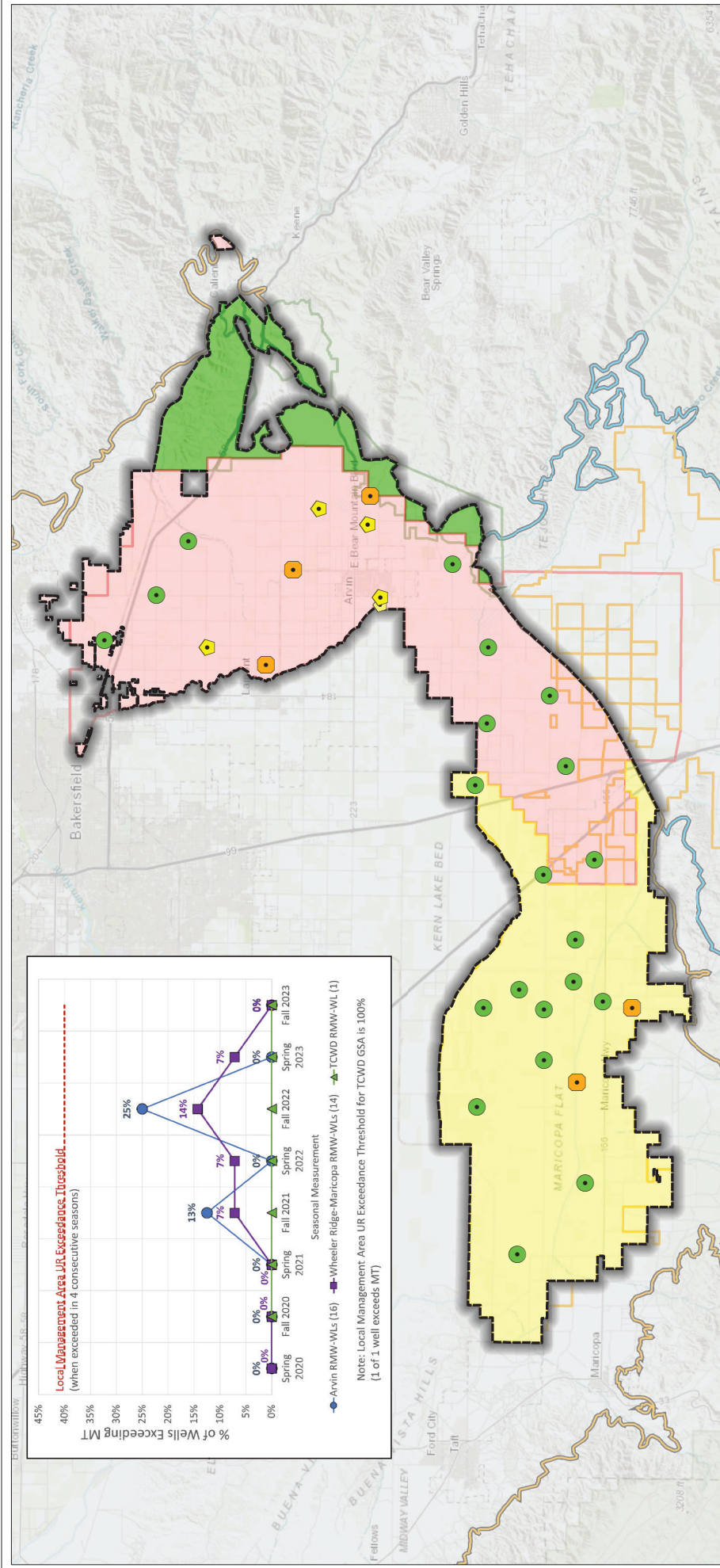
8. ACTION ITEM(S)

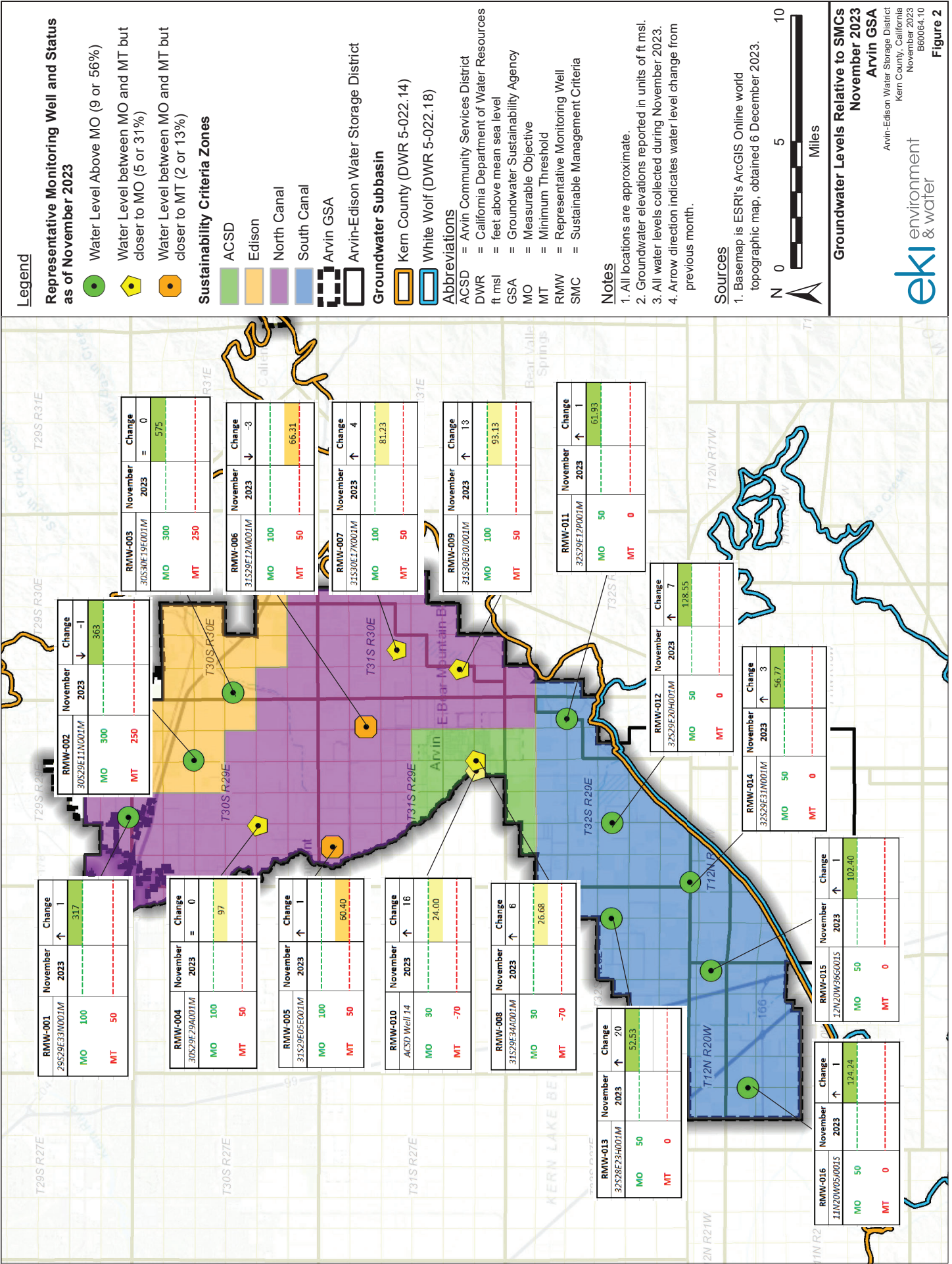
- a. Consider endorsement of and recommendation for funding the EKI Task Order for Groundwater Sustainability Plan (GSP) Implementation Support January through June 2024 (*Muhar*).
- b. Discussion and potential action to recommend the proposed Amendment to Rincon Consultants, Inc.'s Contract Agreement for Kern County SGMA Plan Manager Support for approval by SOKR GSA boards (*Muhar*).
- c. Discussion and potential action to recommend Todd Groundwater's Proposal for Preparation of GSP Annual Report for WY 2023 Kern County Subbasin GSPs for approval by the SOKR GSA boards (*Muhar*).
- d. Discussion and potential action to recommend GEI Consultants' Task Order for Kern Subbasin 2024 Data Management System (DMS) for approval by SOKR 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 November 2023

- Water Level Above MO (9 or 56%)
- Water Level between MO and MT but closer to MO (5 or 31%)
- 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

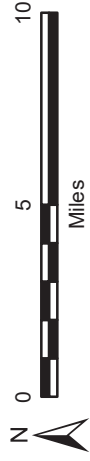
- ACSD = Arvin Community Services District
- DWR = California Department of Water Resources
- ft msl = feet above mean sea level
- GSA = Groundwater Sustainability Agency
- MO = Measurable Objective
- MT = Minimum Threshold
- RMW = Representative Monitoring Well
- SMC = Sustainable Management Criteria

Notes

1. All locations are approximate.
2. Groundwater elevations reported in units of ft msl.
3. All water levels collected during November 2023.
4. Arrow direction indicates water level change from previous month.

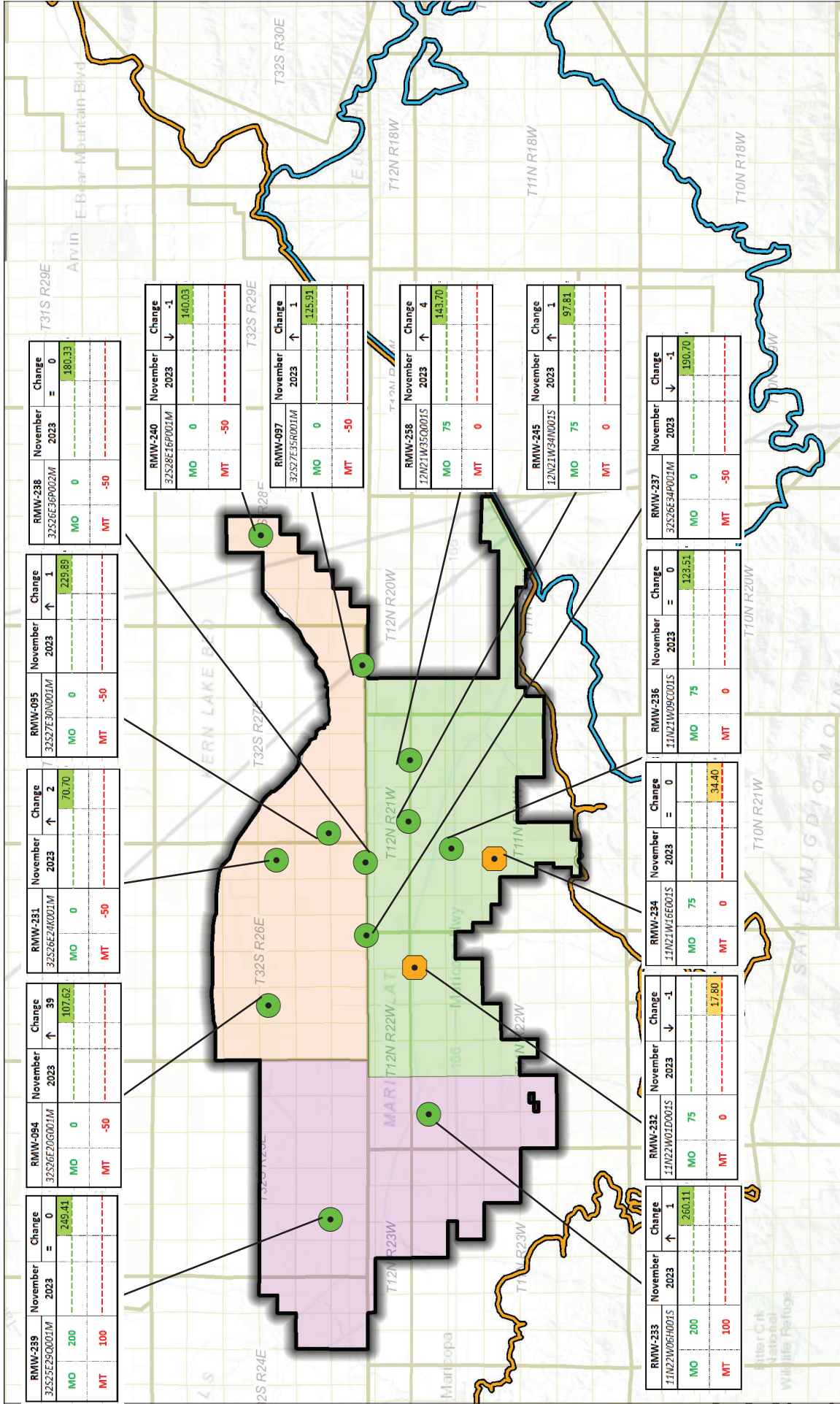
Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 6 December 2023.



Groundwater Levels Relative to SMCs
November 2023
Arvin GSA
 Arvin-Edison Water Storage District
 Kern County, California
 November 2023
 B60064.10
Figure 2

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY



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

Notes

1. All locations are approximate.
2. Groundwater elevations reported in units of ft msl.
3. All water levels collected during November 2023.
4. Arrow direction indicates water level change from previous month.

Sources

1. Basemap is ESRI's ArcGIS Online world topographic map, obtained 6 December 2023.

Representative Monitoring Well and Status as of November 2023

- Water Level Above MO (12 or 86%)
- Water Level Between MO and MT but closer to MT (2 or 14%)

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

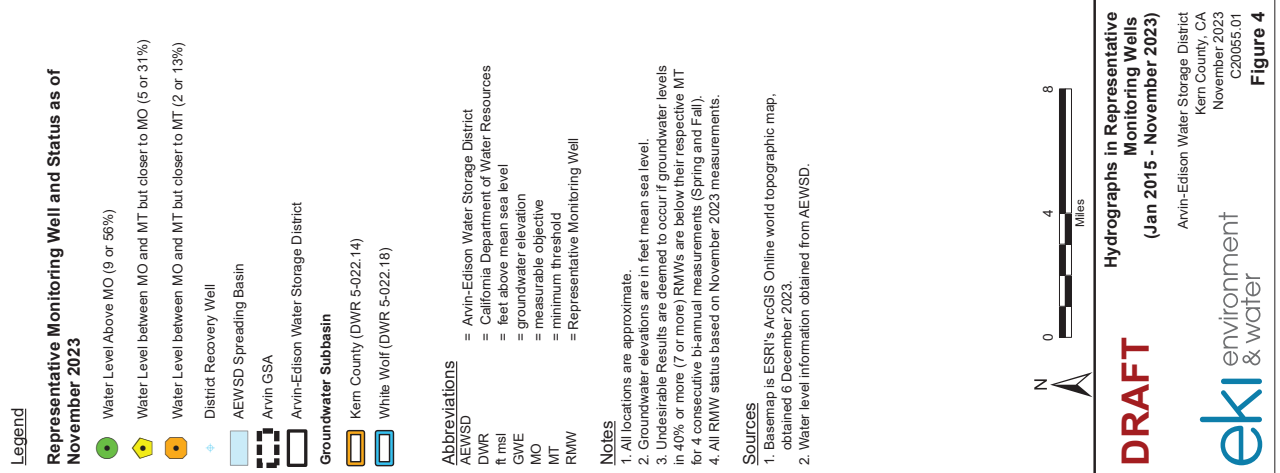
Groundwater Levels Relative to SMCs November 2023

Wheeler Ridge-Maricopa GSA
South of Kern River
Kern County, California
November 2023
C20055.00

eki environment & water

Figure 3

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY



DRAFT

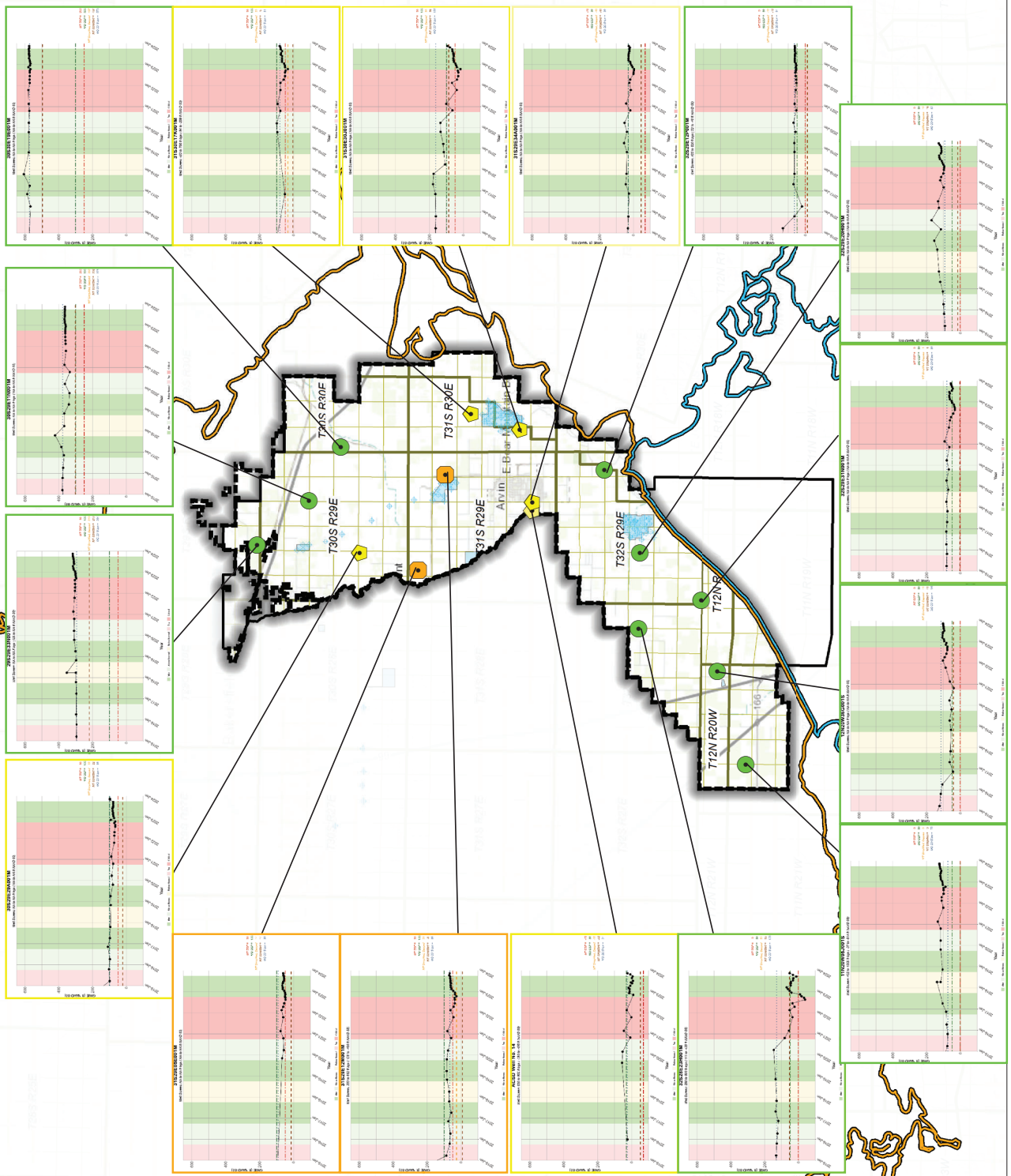
Hydrographs in Representative Monitoring Wells
(Jan 2015 - November 2023)

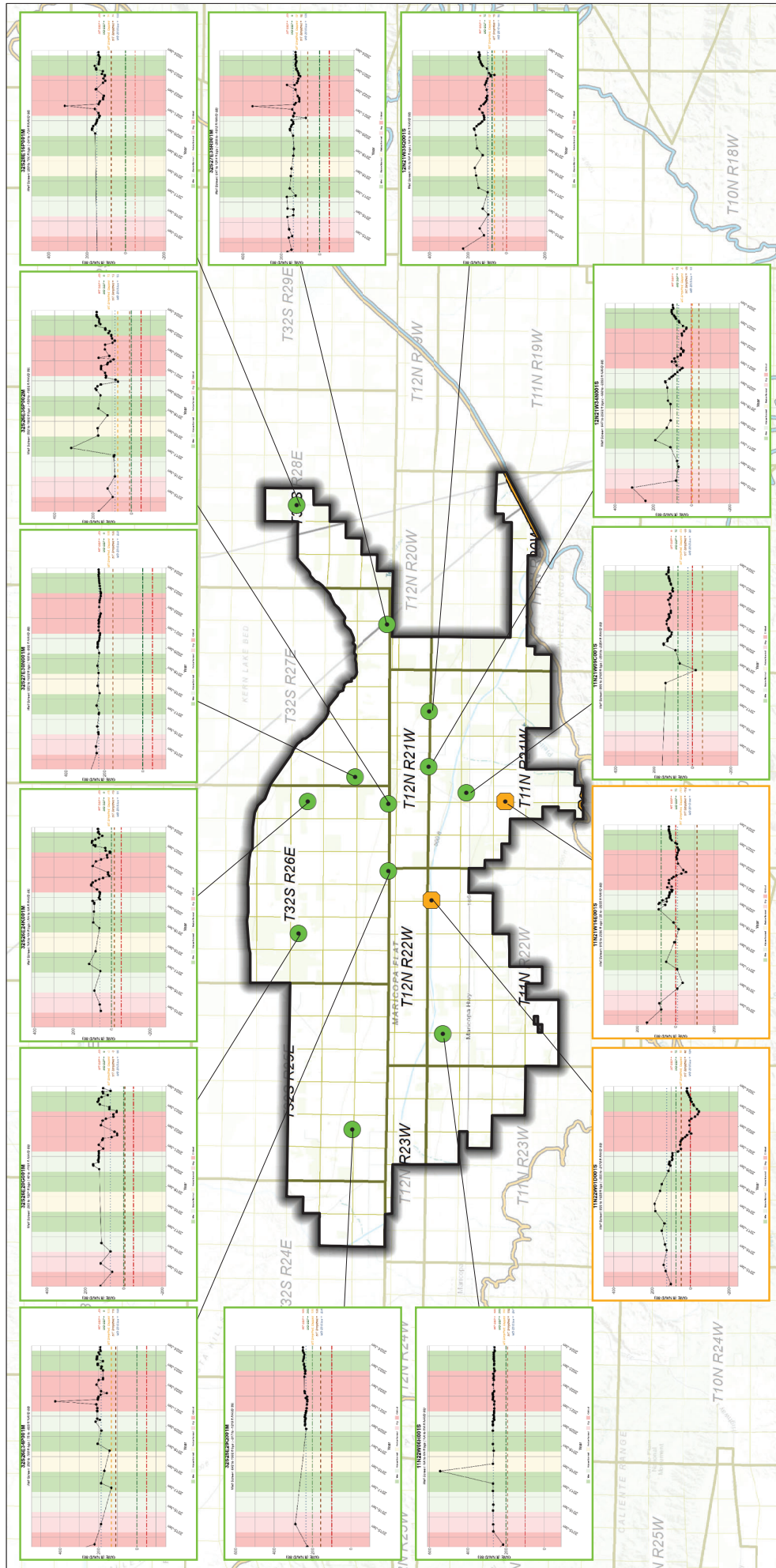
Arvin-Edison Water Storage District
Kern County, CA
November 2023
C20055.01

eki environment & water

Figure 4

INTERIM FIGURE - FOR INFORMATIONAL PURPOSES ONLY





Representative Monitoring Well and Status as of November 2023

Notes

- All locations are approximate.
- Groundwater elevations are in feet mean sea level.
- Undesirable Results are deemed to occur if groundwater levels in 40% or more (5 or more) RWMs are below their respective MT for 4 consecutive bi-annual measurements (Spring and Fall).
- All RWM status based on November 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

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

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

Sources

- Basemap is ESRI's ArcGIS Online world topographic map, obtained 6 December 2023.
- Groundwater elevation data provided by WRMWS.



4 December 2023

Sheridan Nicholas
Wheeler Ridge-Maricopa Water Storage District
12109 Hwy 166
Bakersfield, CA 93313

Subject: South of Kern River Groundwater Sustainability Plan Implementation Support January through June 2024
Kern County Subbasin, Kern County
(EKI C20055.02)

Dear Mr. Nicholas:

Wheeler Ridge-Maricopa Water Storage District (WRMWSO, District, or Client) has requested that EKI Environment and Water, Inc. (EKI) prepare a scope to support Groundwater Sustainability Plan (GSP) implementation activities for the South of Kern River (SOKR) Groundwater Sustainability Agencies (GSAs) in 2024. The Client approved a previous Task Order, dated 8 September 2023, that covered SOKR GSP Implementation Support through December 2023. This Task Order extends the scope of the previous agreement and covers SOKR GSP implementation activities from January through June 2024.

BACKGROUND

The SOKR GSP was adopted in July 2022 by the Arvin GSA, Wheeler Ridge-Maricopa GSA, and Tejon-Castac Water District (TCWD) GSA. The SOKR GSAs have jointly adopted a Memorandum of Agreement (MOA) that describes the coordinated implementation of the SOKR GSP. The SOKR GSP identifies the key technical aspects of GSP implementation that are the responsibility of each GSA within their respective management areas, all of which will occur to some degree during WY 2024, including: (1) Monitoring, Data Collection and Data Gap Filling; (2) Projects & Management Action (P/MA) implementation; (3) Intrabasin Coordination; (4) Stakeholder Engagement; (5) Reporting; and (6) Enforcement and Response Actions. As described in the MOA, each GSA is responsible for implementing the SOKR GSP within its respective management area, bearing its own costs with respect to activities and responsibilities under the MOA, and no GSA will implement the GSP within any other GSA's management area without consent. Therefore, the scope of work below does not address these GSA-specific efforts, but is rather focused exclusively on coordinated SOKR GSP work efforts related to GSA administration, coordination and implementation.

On 2 March 2023, DWR released its determination that the Revised 2020 GSPs for the Kern County Subbasin were Inadequate, transitioning the Subbasin oversight to the State Water Resources Control Board (SWRCB). An Inadequate determination requires ongoing Plan revisions and coordination with the SWRCB. In response to the Inadequate determination, the Coordination Committee established the Technical Working Group (TWG) which has been tasked with conducting technical analyses to support recommendations to address the three deficiencies identified by DWR and to work with SWRCB Staff prior to the SWRCB noticing and holding a probationary hearing.

In the 7 June 2023 SWRCB meeting, SWRCB Staff prioritized Kern County Subbasin as fourth in line for a probationary hearing, now with an anticipated hearing date in Fall 2024. As directed by SOKR GSAs, EKI has provided a leadership role in the TWG, producing subbasin-wide work products focusing on the chronic lowering of groundwater levels sustainable management criteria (SMCs), participating on the subsidence and water quality subcommittees, and drafting the common language for select GSP chapters. EKI's work supporting the subbasin-wide revisions to the GSP is covered separately under the Kern Subbasin Cost Share Agreement. The Scope of Work below identifies work efforts specific to the SOKR GSP group for ongoing administration and coordination.

SCOPE OF WORK

The tasks listed below are to facilitate coordination and administration of the SOKR GSP amongst the three SOKR GSAs through 30 June 2024.

Task 1 – GSA Coordination and Administration

EKI will support the SOKR GSAs to coordinate, participate in, and manage the following SOKR GSP meetings scheduled through 30 June 2024, including development of meeting agendas, as-needed PowerPoint presentations, meeting minutes, as-needed meeting packet memoranda and supporting documents:

- Up to twenty-six (26) weekly SOKR Managers meetings. EKI has assumed virtual attendance at all SOKR Managers meetings. It is assumed that these meetings will be one hour in length and will include discussion of key technical matters, as well as development of agendas for the SOKR Executive Committee meetings.
- Up to six (6) monthly SOKR Executive Committee meetings. EKI has assumed virtual attendance at the Executive Committee meetings, and that these meetings will be two hours in length.

EKI assumes that SOKR GSAs will maintain and post materials to both the SOKR GSP website and their own individual GSA websites. EKI will work with the SOKR GSAs to ensure all meeting materials are posted to websites under Brown Act noticing requirements.

Task 2 – GSP Implementation Support

Task 2 involves intrabasin coordination and ongoing SOKR-specific technical support with developing a subbasin-wide strategic response and coordinated revised GSP. Specifically, EKI will support the SOKR GSAs involvement with Basin-wide activities, including:

- Participation in the TWG, review of materials produced by the TWG outside of EKI's subbasin-wide scope of work, and non-presenter attendance at meetings with SWRCB Staff. EKI has assumed virtual attendance at up to twenty-one (21) TWG meetings and four (4) SWRCB meetings, and that these meetings will be two hours in length.
- Attendance of Basin coordination meetings with other Kern Subbasin GSAs, including attendance at Basin Study Update meetings, as-needed support and attendance at Kern Subbasin coordination committee meetings and managers meetings. EKI has assumed virtual attendance and/or support at up to thirty-six (36) meetings, and that these meetings will be two hours in length.

- Coordination of and participation in one (1) follow up meeting with DWR California Aqueduct Subsidence Program (CASP).

Subbasin-wide work efforts to support TWG subcommittee work and common GSP language will be invoiced separately to the Kern Subbasin Cost Share Agreement budget and is not covered under this Task Order.

Task 3 – Project Management

EKI will provide project management and as-needed consultation services during the GSP implementation process. This task includes coordination and communications with the SOKR GSAs, and project management services by EKI including the preparation of invoices, coordination of staff, and monthly progress reports.

PERSONNEL

EKI’s staff members who will lead this project include Anona Dutton, P.G., C.Hg. (Officer) and Christina Lucero, P.G. (Associate 1), with technical and strategic support provided by Chris Heppner, P.G. (Supervising 1), Aaron Lewis, P.E. (Associate 2), and Sarah Hodson, P.E. (Grade 3); grades in parentheses are for purposes of billing in accordance with the attached Schedule of Charges (see Attachment A). Other EKI staff members will be assigned to assist with the performance of the tasks as required to meet project commitments.

TERMS AND CONDITIONS

All work performed by EKI under this Task Order will be performed pursuant to the Terms and Conditions of our existing Agreement with Wheeler Ridge-Maricopa Water Storage District.

COMPENSATION

Inasmuch as the exact level of effort required to complete the above Scope of Work cannot be known precisely, EKI proposes to perform the work on a time and materials expense reimbursement basis in accordance with our current Schedule of Charges (Attachment A). Based on EKI’s level of effort over the last three months, the estimated budget for this scope of work is \$169,800 (see also Table 1). We will inform you if the level of effort exceeds this anticipated amount.

Table 1. Estimated Budget

TASK	Cost Estimate
Task 1 – GSA Coordination and Administration	\$46,700
Task 2 – GSP Implementation Support	\$116,200
Task 3 – Project Management	\$6,900
TOTAL:	\$169,800

SCHEDULE

Upon authorization to proceed, EKI is prepared to start work on the above Scope of Work immediately. This Scope of Work will cover work efforts conducted from 1 January 2024 through 30 June 2024. EKI will inform the SOKR GSAs of any issues that arise that may affect the schedule for completion or impact the anticipated level of effort. This Task Order covers a six-month period. EKI will present an additional Task Order at the June 2024 SOKR Executive Committee meeting to cover the anticipated level of effort to support third and fourth quarter 2024 SOKR GSP implementation.

We are happy to discuss the proposed approach and anticipated level of effort for these tasks in more detail with you and look forward to working with you on this important project. If this Task Order meets with your approval, please sign where noted below and return a fully executed copy to our office to confirm authorization to proceed. Please call if you have any questions or wish to discuss this proposal in greater detail.

Very truly yours,

EKI ENVIRONMENT & WATER, INC.



Anona L. Dutton, P.G., C.Hg.
Vice President / Principal-In-Charge

AUTHORIZATION
WHEELER RIDGE-MARICOPA WATER STORAGE DISTRICT (CLIENT)

By _____

Title _____

Date _____

Attachments

Attachment A. 2024 Schedule of Charges

Client/Address: Wheeler Ridge-Maricopa Water Storage District
12109 Hwy 166
Bakersfield, CA 93313



Proposal/Agreement Date: 4 December 2023

EKI Proposal/Project # C20055.02

SCHEDULE OF CHARGES FOR EKI ENVIRONMENT & WATER, INC.

1 January 2024

<u>Personnel Classification</u>	<u>Hourly Rate</u>
Officer and Chief Engineer-Scientist	345
Principal Engineer-Scientist	333
Supervising I, Engineer-Scientist	323
Supervising II, Engineer-Scientist	310
Senior I, Engineer-Scientist	297
Senior II, Engineer-Scientist	286
Associate I, Engineer-Scientist	275
Associate II, Engineer-Scientist	259
Engineer-Scientist, Grade 1	241
Engineer-Scientist, Grade 2	227
Engineer-Scientist, Grade 3	209
Engineer-Scientist, Grade 4	187
Engineer-Scientist, Grade 5	165
Engineer-Scientist, Grade 6	144
Project Assistant	135
Technician	129
Senior GIS / Database Analyst	170
CADD Operator / GIS Analyst	148
Senior Administrative Assistant	162
Administrative Assistant	128
Secretary	108

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work will be at cost plus fifteen percent (15%) for items such as:

- a. Maps, photographs, reproductions, printing, equipment rental, and special supplies related to the work.
- b. Consultants, soils engineers, surveyors, drillers, laboratories, and contractors.
- c. Rented vehicles, local public transportation and taxis, travel, and subsistence.
- d. Special fees, insurance, permits, and licenses applicable to the work.
- e. Outside computer processing, computation, and proprietary programs purchased for the work.

A Communication charge for e-mail access, web conferencing, cellphone calls, messaging and data access, file sharing, local and long distance telephone calls and conferences, facsimile transmittals, standard delivery U.S. postage, and incidental in-house copying will be charged at a rate of 4% of labor charges. Large volume copying of project documents, e.g., bound reports for distribution or project-specific reference files, will be charged as a project expense as described above.

Reimbursement for company-owned automobiles, except trucks and four-wheel drive vehicles, used in connection with the work will be at the rate of sixty cents (\$0.60) per mile. The rate for company-owned trucks and four-wheel drive vehicles will be seventy-five cents (\$0.75) per mile. There will be an additional charge of thirty dollars (\$30.00) per day for vehicles used for field work. Reimbursement for use of personal vehicles will be at the federally allowed rate plus fifteen percent (15%).

CADD and other specialized software computer time will be charged at twenty dollars (\$20.00) per hour. In-house material and equipment charges will be in accordance with the current rate schedule or special quotation. Excise taxes, if any, will be added as a direct expense.

Rate for professional staff for legal proceedings or as expert witnesses will be at a rate of one and one-half times the Hourly Rates specified above.

The foregoing Schedule of Charges is incorporated into the Agreement for the Services of EKI Environment & Water, Inc. and may be updated annually.