

Board Meeting



January 2024

AGENDA
NORTH KERN WATER STORAGE DISTRICT
BOARD OF DIRECTORS
REGULAR MEETING

NOTICE: Members of the public interested in participating by teleconference may do so using the information below. Please note that this teleconference 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 teleconferencing. 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 that teleconference participants may be unable to participate.

Join Microsoft Teams meeting

+1 619-494-2904 United States, San Diego

(877) 567-8582 United States (Toll-free)

Phone Conference ID: 944 706 059#

Tuesday, January 16, 2024 - 7:00 a.m.

CALL TO ORDER
PUBLIC COMMENT

1. Board Meeting Minutes
 - A. Approve Minutes of December 19, 2023 Regular Board Meeting

2. Consent Calendar
(The Board will consider various non-controversial routine items, issues and reports relating to matters of interest to the District. Any Board member or member of the public may request that any or all items be considered and acted upon independently.)
 - A. District Groundwater Levels
 - B. District Exchange Balances
 - C. Operations Report
 - D. Approve Task Order 24-01 for General Engineering Support, GEI Consultants
 - E. Approve Task Order 24-02 for General SGMA Support, GEI Consultants

3. General Informational Items
 - A. Kern River Watermaster Report

4. Financial Matters
 - A. Approve Treasurer's Report
 1. NKWSD
 2. RRID
 - B. Monthly Financial Statements
 - C. Water Sales
 - D. Accounts Receivable
 - E. Approve Accounts Payable

5. Consulting District Engineer
 - A. Project Summary
 - B. Poso Creek RWMG*
 - C. Status of Grants*
 - D. Irrigated Lands Regulatory Program/CV-Salts*

6. Budget and Personnel Committee,

7. Engineering Committee,

8. Groundwater Committee
 - A. North Central Kern (NCK) GSA
 1. Update on Coordination Committee and SGMA Activities
9. Produced Water Ad Hoc Committee*
10. Negotiating Committee*
11. Counsel of District*
12. Rosedale Ranch Improvement District*
13. General Manager's Report*

OTHER BUSINESS

14. Closed Session Matters:
 - A. CONFERENCE WITH LEGAL COUNSEL EXISTING LITIGATION
(Govt. Code Section 54956.9(a) and (d)(1))
 - (i) North Kern Water Storage District v. City of Bakersfield
(VCSC #56-2011-00408712-CU-CO-VTA)
 - (ii) Appeal of Regional Board General Order (R5-2013-0120) for Tulare Lake Basin
to State Water Resources Control Board (re. Irrigated Lands Regulatory
Program)
 - (iii) State Water Resources Control Board, Administrative Hearing Office
Adjudicative Hearing on Pending Applications 31673, 31674, 31675, 31676,
31677, and 31819
 - B. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section
54956.9: one case
 - C. PERSONNEL MATTERS
(Govt. Code Section 54957)
 - D. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
(Govt. Code Section 54956.8) – use of District and landowner facilities for
various potential water management programs; negotiator, David Hampton
15. Adjournment

*Oral report to be provided at the meeting.

**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 1A

BOARD OF DIRECTORS
North Kern Water Storage District
Minutes of the Meeting of December 19, 2023

A Meeting of the Board of Directors of North Kern Water Storage District was in person - commencing at 7:00 a.m., on December 19, 2023.

President Andrew declared a quorum was present and called the meeting to order. The following Directors were present: Kevin Andrew, Winn Glende, Kristen Camarena, Robert Holtermann and Joel Ackerknecht. Others present: David Hampton (General Manager), Ram Venkatesan (Deputy General Manager) Marinelle Duarosan (Controller), Heather Williams (Operations Superintendent), Angel Ventura (Staff Engineer), Maria Sotelo-Kumar (Accounting Clerk), Christy Castaneda (Administrative Assistant) of North Kern Water Storage District, Alan Doud & Scott Kuney, Brett Stroud and Mark Bateman (District Counsel - Young Wooldridge), Guests present: John Gaugel, Art Chianello, Stephanie Hearn and Sonia Lemus.

President Andrew called the meeting to order at 7:00 am and opened the floor for public comments. At this time, there were none.

Board of Directors –

- (23-130) Upon motion of Director Glende, seconded by Director Ackerknecht and unanimously carried, to approve the minutes from the November 21, 2023, Regular Board Meeting.
(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

Consent Calendar –

Consent Calendar included the following:

- A. District Groundwater Levels
- B. District Exchange Balances
- C. Operations Report
- D. Approve 2024 District Membership and Support

- (23-131) Upon motion of Director Camarena, seconded by Director Holtermann and unanimously carried, to approve the Consent Calendar.
(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

General Informational Items –

Watermaster Arthur Chianello provided a summary of his written report. Mr. Chianello stated that the current Isabella Lake Storage was at 194,668 AF. The inflow was at 512 CFS and the Outflow was at 631CFS. He also reported on the status of the weather forecasts noting a possible 2.6 inches of precipitation south of Fresno. Mr. Chianello indicated there are three scheduled flights (February, March and April) for the Aerial Snow Survey. He also discussed the status of the repairs needed for the hydroelectric plant by Isabella Partners is anticipated to begin December 27th for a period of 7 days.

Financial Matters –

- (23-132) Upon motion of Director Ackerknecht, seconded by Director Camarena and unanimously carried, to receive and file the Treasurer's Report for the North Kern Water Storage District for the month of November as presented.
(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

- (RR23-133) Upon motion of Director Ackerknecht, seconded by Director Camarena and unanimously carried, to receive and file the Treasurer's Report for the Rosedale Ranch Improvement District for the month of November as presented.
(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

The Financial Statements, Summary of Water Sales and the Accounts Receivable reports for the month of November were reviewed and accepted as presented.

(23-134) Upon motion of Director Holtermann, seconded by Director Glende and unanimously carried, to approve payment of the Accounts Payable balance for the North Kern Water Storage District for the month of November as presented.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

(RR23-135) Upon motion of Director Holtermann, seconded by Director Glende and unanimously carried, to approve payment of the Accounts Payable balance for the Rosedale Ranch Improvement District for the month of November as presented.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

Consulting District Engineer –

Project Summary – No significant activity to report at this time.

Poso Creek – No significant activity to report at this time.

Status of Grants – GEI has been focusing on grant submittal strategies. Ms. Hearn indicated there are some scope modification changes on grant applications which are anticipated to have favorable results.

Irrigated Lands Regulatory Program/CV Salts – No significant activity to report at this time. However, Ms. Hearn did state that there will be a stakeholder Outreach Program for the Nitrate Program.

Budget & Personnel Committee –

General Manager Hampton reported that Staff met with the Budget Committee on December 5th to discuss the Budget in detail. He presented the revised 2024 Budget based on discussions with the Board relative to the COLA percentage. No other adjustments were made to the original Budget. He stated that the Budget was based on a 40% A-J hydrology but a review can be done in early 2024 to adjust this projection depending on hydrologic conditions at that time. The Budget sets the toll rates at \$240/AF with the Board's discretion to offset the rate using some portion of the Rate Stabilization Reserve funds.

(23-136) Upon motion of Director Ackerknecht, seconded by Director Glende and unanimously carried, to approve the revised 2024 North Kern Water Storage District and Rosedale Ranch Improvement District Budgets and directed Staff to closely track Kern River Watershed precipitation through the winter/spring and make recommendations to the Board to adjust water tolls as necessary to match the Districts costs and revenues with anticipated River supplies.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

(23-137) Upon motion of Director Camarena, seconded by Director Ackerknecht and unanimously carried, to adopt the Publicly Available Pay Schedule as presented, effective for year 2024.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

(23-138) Upon motion of Director Ackerknecht, seconded by Director Holtermann and unanimously carried, to approve the change in carrier for the District's life and disability insurance benefit programs from The Standard to Reliance Standard effective 1/1/2024.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

Controller Duarosan addressed the Board and reviewed existing Reserve balances and presented a projected 2023 balance of the Rate Stabilization Reserve. Based on the projection presented, the Board discussed the transfer of funds from the Money Market to the Districts Reserve Account at the County with the intent of funding reserves due to available funds. After some discussion, the board approved and provided direction

to Staff to transfer a total of \$8M from Tri-Counties Bank MMA account to the County Rate Stabilization Fund.

Engineering Committee –

(23-139) Upon motion of Director Ackerknecht, seconded by Director Holtermann and unanimously carried, to authorize General Manager to execute an amendment to Task Order 21-06 with GEI Consultants for additional grant implementation support for a budget amount not-to-exceed \$30,000 for the WaterSMART Drought Response grant award.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

Groundwater Committee –

General Manager Hampton updated the Board regarding ongoing efforts by the Technical Working Group (TWG) including produced water matters and the TWG's proposed SMCs for Subsidence. The TWG presented the SMC concept to the State Water Resource Control Board Staff. It was noted that the SMC for the Friant Kern Canal included proposed mitigation to raise the liner in certain stretches in order to meet Friant sustainability goals and to allow the region to meet glidepath sustainability goals. The TWG subcommittee will continue to meet to develop proposed next steps for the SMCs and develop an approach for a mitigation plan. Mr. Hampton also indicated that the Cost Share Agreement for the GSP Scope of Work has been finalized and is being circulated for review. He also noted that KGA presented their 2024 Budget which the District opposed through submission of a written letter. However, the KGA board later approved the original KGA budget with quarterly cash calls.

(23-140) Upon motion of Director Camarena, seconded by Director Glende and unanimously carried, to approve the amendment for Todd Groundwater's Scope of Work for the Basin Study, Todd GW Proposal for the Annual GSP Report, GEI Task Order for Kern DMS Annual Support and the Rincon amendment to the Contract Agreement for Kern SGMA Plan Manager Support.

(Ayes: Andrew, Ackerknecht, Glende, Holtermann & Camarena: Noes: None, Absent: None, Abstain: None)

Produced Water Ad Hoc Committee – No report at this time.

Negotiating Committee – No report at this time.

Counsel of District – No report at this time.

Rosedale Ranch – No report at this time.

General Manager's Report – General Manager Hampton stated he will coordinate a Landowner Meeting in January 2024 to provide updates on SGMA and issues related to the Kern River.

The President publicly stated that the legal authorities for holding Closed Session at today's Board Meeting are the following sections of the California Government Code:

A. CONFERENCE WITH LEGAL COUNSEL EXISTING LITIGATION

(Govt. Code Section 54956.9(a) and (d)(1))

- (i) North Kern Water Storage District v. City of Bakersfield (VCSC #56-2011-00408712-CU-CO-VTA)
- (ii) Appeal of Regional Board General Order (R5-2013-0120) for Tulare Lake Basin to State Water Resources Control Board (re. Irrigated Lands Regulatory Program)

(iii) State Water Resources Control Board, Administrative Hearing Office
Adjudicative Hearing on Pending Applications 31673, 31674, 31675, 31676,
31677, and 31819

- B. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section
54956.9: one case
- C. PERSONNEL MATTERS
(Govt. Code Section 54957)
- D. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
(Govt. Code Section 54956.8) – use of District and landowner facilities for
various potential water management programs; negotiator, David Hampton

The above legal grounds were determined to exist based on advice of counsel, and discussion of such matters in an Open Session would cause prejudice to the District. The Board went into Closed Session at 8:20 a.m.

The Board reconvened back into open session at 10:37 a.m. There were no reportable actions.

Respectfully Submitted,

David Hampton, General Manager

Approved by Board
January 16, 2024

Kevin Andrew, President

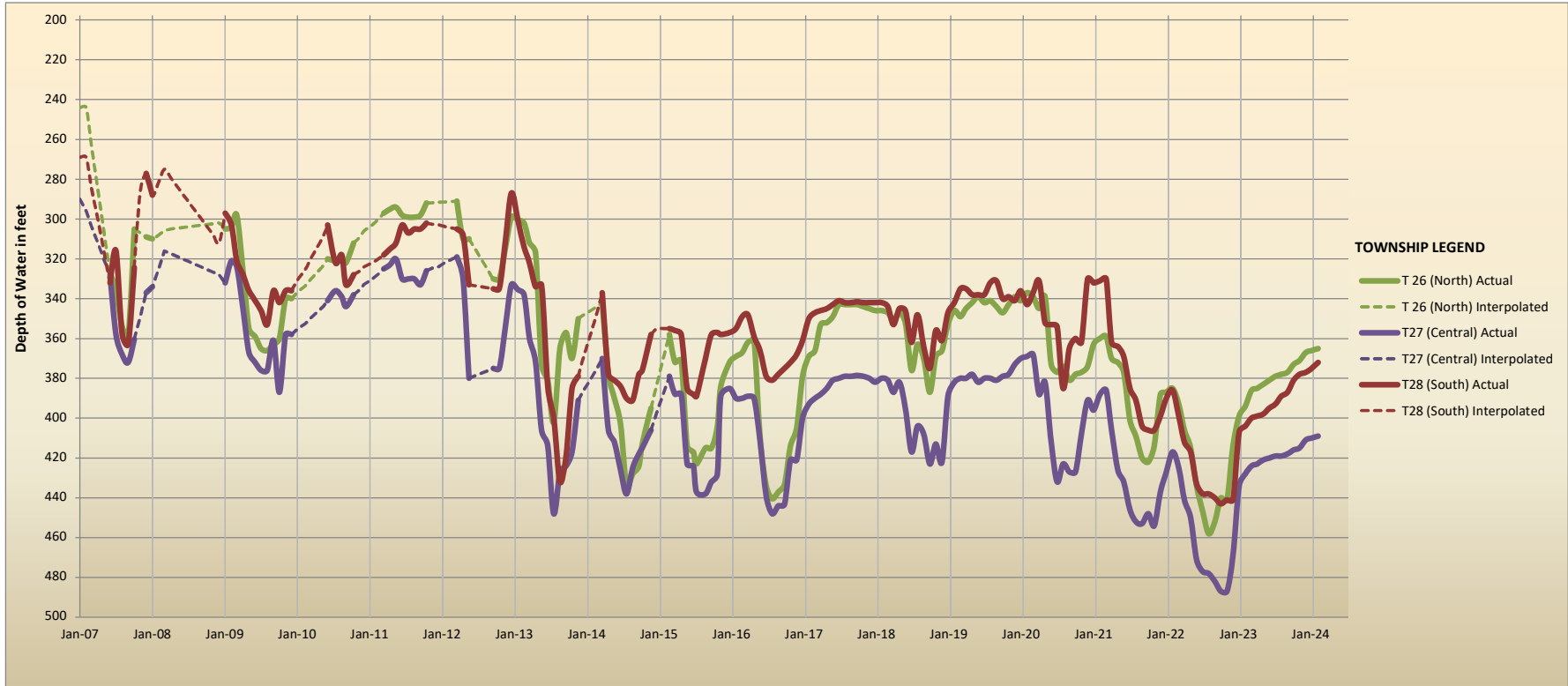
**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

**Agenda Item 2
Consent Calendar**

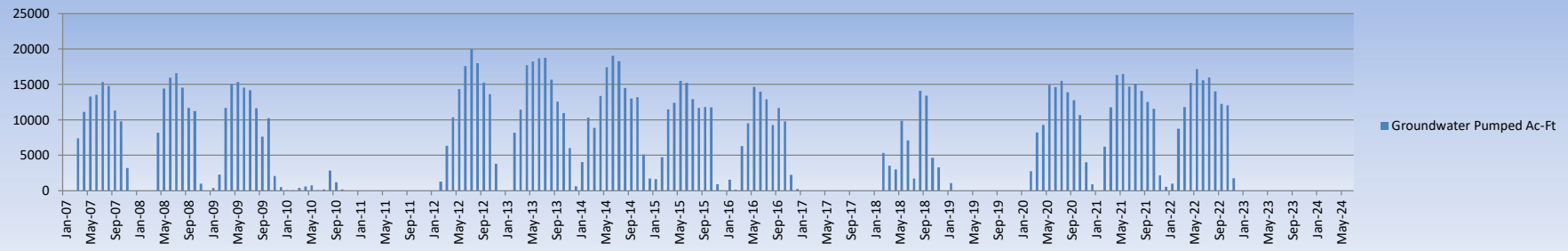
**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 2A

NORTH KERN WATER STORAGE DISTRICT AVERAGE MONTHLY GROUNDWATER LEVELS BY TOWNSHIP



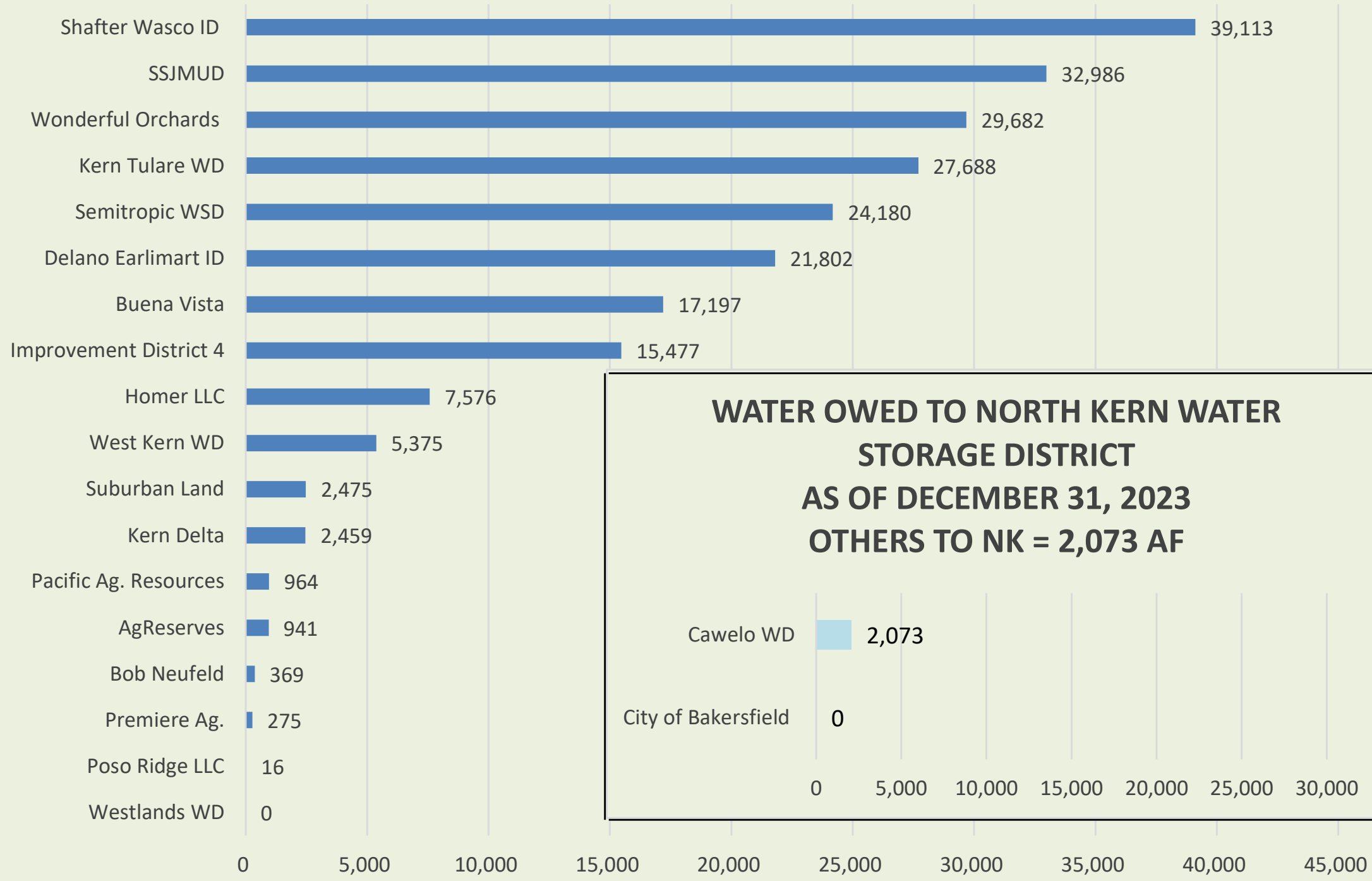
DISTRICT DEEP WELL PRODUCTION Ac-Ft



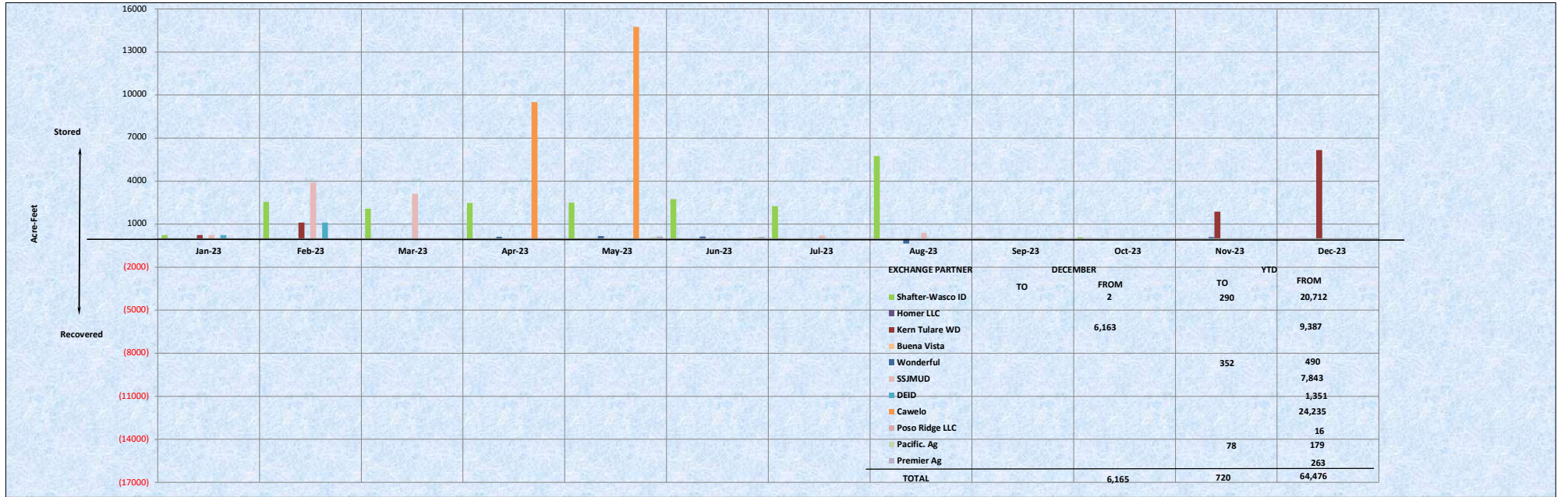
**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 2B

**NORTH KERN WATER STORAGE DISTRICT
GROUNDWATER BALANCE AS OF
DECEMBER 31, 2023
NK TO OTHERS = 249,129 AF**



**NORTH KERN WATER STORAGE DISTRICT
MONTHLY EXCHANGE QUANTITIES FOR 2023
(QUANTITIES IN AF)
(INCLUDES LEAVE BEHIND)**



NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 2C

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
Telephone: 661-393-2696
Facsimile: 661-393-6884



33380 Cawelo Avenue
Bakersfield, CA 93308-9575
Water Orders and Operations
Telephone: 661-393-3361
www.northkernwsd.com

NORTH KERN WATER STORAGE DISTRICT

January 11, 2024

TO: BOARD OF DIRECTORS
FROM: Heather Williams
RE: Operations Report

Operations

1. Lake Isabella storage is currently 202,775 AF. The Natural flow has averaged 383 CFS over the past five days. Today's Natural flow is 332 CFS. Powerflow / Regulated Outflow is 305 CFS. The District's share of storage is estimated to be 66,000 AF.
2. The District is receiving an average of 140 CFS/day of combined KR Entitlement and KDWD release water. The District's Powerflow obligation is averaging 115 CFS/day. The remaining 25 CFS is being diverted into our Isabella storage account.
3. The annual District maintenance shutdown will be ending sometime during the week of January 15th.
4. CVC deliveries from Kern Tulare WD into the District totaled 6,163 AF in December. 175 CFS/day continues to be diverted to the District.
Homer LLC diverted a total of 353 AF from the CVC for SWID in December. SWID took delivery of this water at their spreading facility at Kimberlina.
5. CRC produced water continues to be diverted to Rosedale Spreading. Daily flows are averaging 13 CFS. Califia continues with 1 CFS into the Lerdo.

NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 2D

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
Telephone: 661-393-2696
Facsimile: 661-393-6884



33380 Cawelo Avenue
Bakersfield, CA 93308-9575
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NORTH KERN WATER STORAGE DISTRICT

January 11, 2024

TO: ENGINEERING COMMITTEE
Directors Ackerknecht and Camarena, Alternate Andrew

FROM: David Hampton and Ram Venkatesan

RE: Approve Task Order with GEI Consultants for Technical Support to the District's
General Engineering Tasks

RECOMMENDED MOTION:

“Authorize the General Manager to execute Task Order 24-01 with GEI Consultants for providing technical support to the District's General Engineering Tasks for a budget amount not-to-exceed \$50,000.”

DISCUSSION:

GEI Consultants (“GEI”) from time to time provides technical support for the District's general engineering tasks such as tasks related to water resources management, facilities and infrastructure, general consultation meetings, Board meetings etc., Staff requested GEI provide a task order (Exhibit “A”) that will cover activities related to providing general engineering services for calendar-year 2024 and GEI has provided the Task Order 24-01 with an estimated budget of \$50,000. The estimated budget of \$50,000 is consistent with previous years usage of GEI's services.

Staff recommends Board approval for the General Manager to execute Task Order 24-01 with GEI Consultants for providing technical support to the District's General Engineering Tasks for a budget amount not-to-exceed \$50,000.

Attachments:

Exhibit “A”: Task Order 24-01 from GEI Consultants



January 10, 2024

Consulting
Engineers and
Scientists

David Hampton
General Manager
North Kern Water Storage District
33380 Cawelo Avenue
Bakersfield, CA 93308

**PROFESSIONAL SERVICES AGREEMENT
EXHIBIT A – SCOPE OF WORK
FOR
TASK ORDER 24-01, GENERAL ENGINEERING SERVICES**

This Task Order defines a Scope of Services, Schedule, and Budget for work to be completed by GEI Consultants, Inc., (GEI) for North Kern Water Storage District (NKWSD, North Kern, District) per the terms and conditions of the Professional Services Agreement dated November 16, 2017, except as amended herein.

SCOPE OF SERVICES

Many tasks are of sufficient scope, duration, and budget to warrant a standalone Task Order which involves a unique GEI project number and invoice. This Task Order is intended to provide a budget authorization to fund generally small requests for engineering services from time to time with minimal or no additional paperwork or delay at the time of the request. By definition, as-requested tasks are not known at this time; however, it is anticipated that they would be generally related to supporting the District's various water resource management activities, such as performing specific technical tasks; participating in meetings; and general consulting. Participation in the District's Board Meetings would also be included under this Task Order. It is recognized that as-requested work may lead to the establishment of separate budget authorizations and separate project numbers as appropriate.

SCHEDULE

This Task Order is intended to cover activities related to providing general engineering services in calendar-year 2024. The schedule for completion of any given assignment will be coordinated with District staff.

BUDGET

Based on expenditures in previous years, a budget of \$50,000 is proposed for calendar-year 2024. This is a budget to work against in responding to District requests for engineering assistance; it is not a cost estimate for a pre-determined scope of work. Billing for all work completed under this Task Order will be in accordance with the terms of the Professional Services Agreement, with labor billed at 3.05 times labor rate, and expenses billed at 5 percent above cost. All work will be performed on a time and materials not to exceed basis.

AUTHORIZATION

This Task Order is authorized and made an attachment to the above-identified Professional Services Agreement through the signatures below.

Authorized by:
NORTH KERN WATER STORAGE
DISTRICT

Accepted by:
GEI CONSULTANTS, INC.

By: _____

By:  _____

Title: _____

Title: Stephanie Hearn, Branch Manager

Date: _____

Date: January 10, 2024

By:  _____

Title: Sam Schaefer, Senior Engineer

Date: January 10, 2024

PROJECT NUMBER

All work will be billed under a new, unique GEI project number.

NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 2E

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
Telephone: 661-393-2696
Facsimile: 661-393-6884



33380 Cawelo Avenue
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NORTH KERN WATER STORAGE DISTRICT

January 11, 2024

TO: GROUNDWATER COMMITTEE
Directors Camarena and Holtermann, Alternate Glende

FROM: David Hampton and Ram Venkatesan

RE: Approve Task Order with GEI Consultants for providing SGMA Implementation Support

RECOMMENDED MOTION:

“Authorize the General Manager to execute Task Order 24-02 with GEI Consultants for providing SGMA implementation support for a budget amount not-to-exceed \$10,000.”

DISCUSSION:

GEI Consultants (“GEI”) regularly provides support for the District’s SGMA annual monitoring and reporting requirements. GEI coordinates with District staff in collecting and reporting required groundwater level measurements and water quality results for the District’s SGMA GSP plan. Additionally, GEI also prepares quarterly SGMA Progress Reports and coordinates with municipalities and other agencies as requested by the District.

Staff requested GEI to provide a task order (Exhibit “A”) to provide annual implementation support and to address other general SGMA-related requests.

Staff recommends Board approval for the General Manager to execute Task Order 24-02 with GEI Consultants for providing SGMA implementation support for a budget amount not-to-exceed \$10,000.

Attachments:

Exhibit “A”: Task Order 24-02 from GEI Consultants



January 10, 2024

Consulting
Engineers and
Scientists

David Hampton
General Manager
North Kern Water Storage District
33380 Cawelo Avenue
Bakersfield, CA 93308

**PROFESSIONAL SERVICES AGREEMENT
EXHIBIT A – SCOPE OF WORK
FOR
TASK ORDER 24-02, SGMA IMPLEMENTATION SUPPORT**

This Task Order defines a Scope of Services, Schedule, and Budget for work to be completed by GEI Consultants, Inc., (GEI) for North Kern Water Storage District (NKWSD, North Kern, District) per the terms and conditions of the Professional Services Agreement dated November 16, 2017, except as amended herein.

SCOPE OF WORK

This Task Order is to provide support for the District's annual monitoring and reporting requirements, as well as other as-needed support. The scope of work is to assist with small requests for SGMA implementation services.

SCHEDULE

Work described in Task Order will begin upon authorization and will continue through December 2024. The timeline for completing annual support tasks will be determined by District requests. Routine tasks and deliverables that GEI will continue to assume responsibility for are summarized in the following bullet points.

- Coordinate with District staff to collect Spring and Fall water level measurements and other compliance-related tasks.
- Support coordination, outreach and engagement with stakeholders, municipalities, adjacent districts, as requested.
- Prepare quarterly SGMA Progress Reports to inform on Subbasin activities, seasonal water level measurements, and implementation of Projects and Management Actions.
- Other tasks, as requested.

BUDGET

Billing for all work completed under this Task Order will be in accordance with the terms of the Professional Services Agreement, with labor billed at 3.05 times labor rate, and expenses billed at 5 percent above cost. All work will be performed on a time and materials not to exceed basis. Based on the Scope of Work previously described, we suggest authorizing a **\$10,000** budget. The budget by task shall not be

exceeded without written authorization from the District.

AUTHORIZATION

Task Order No. 24-02 is authorized and made an attachment to the above-identified Professional Services Agreement through the signatures below.

Authorized by:

NORTH KERN WATER
STORAGE DISTRICT

Accepted by:

GEI CONSULTANTS, INC.

By: _____
Title: _____
Date: _____

By: Stephanie Hearn
Title: Stephanie Hearn, Branch Manager
Date: January 10, 2024

By: Sam Schaefer
Title: Sam Schaefer, Sr. Program Manager
Date: January 10, 2024

ACCOUNTING CODES

All work will be billed under a new GEI project number.

NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 3A

KERN RIVER WATERMASTER

achianello@krwatermaster.org

661-549-6313

To: Kern River Interests

January 8, 2024

From: Art Chianello
Kern River Watermaster

RE: Report of Recent Activities

Precipitation

- January 8th snow sensor data measuring snow water equivalent (SWE) is shown in Attachment 1. The SWE as a percentage of the April 1st measurement ranges from 6% to 33%.
- The Tulare Basin Precipitation: 6-Station Index for January 8th indicates 38% of average for this date as shown in attachment 2. Last months Watermaster report included the same plot for December 11th which showed 22% of average for that date.
- The California Nevada River Forecast Center on July 8th is forecasting the April through July snow melt season to be 67% of average as shown in Attachment 3.
- The NOAA Climate Prediction Center 8-14 day Outlook is showing both temperatures and precipitation to be leaning above normal as shown in Attachment 4.

Cloud Seeding - Since the December 11th Watermaster Report, flights occurred on 12/30 for 2.4 hours, 1/03 for 1.5 hours, and 1/06 for 1.4 hours.

Isabella Reservoir Operations - Attachment 5 shows the trend in storage for the water year from October 1 to January 7th. Storage for January 7th was 202,642 acre-feet. Attachment 6 shows the daily storage at midnight, the mean daily outflow and mean mean daily inflow from December 1, 2023 to January 7, 2024.

Isabella Partners started repairs at the hydroelectric plant located at the base of the dam on December 31, 2023 and completed the work on January 7, 2024 working 24 hours per day. Repairs were required to steel and concrete structural components damaged during the high flows in WY 2023. Normal operations resumed in the afternoon on January 7th.

Aerial Snow Observatory - Three flights are planned for the Kern in WY 2024. The first flight for the Kern under DWR's Aerial Remote Sensing of Snow (ARSS) program is planned for the 3rd or 4th week in February. The second flight is tentatively planned for the end of March and the third flight is planned for the end of April or early May if there is significant snow accumulation.

Public Outreach - I responded to public inquiries regarding reservoir operations.

Attachments:

- Snow Water Equivalent measurements for the Kern basin
- Southern Sierra Nevada precipitation measurement
- CNRFC April -July forecast
- NOAA 8-14 day outlook for precipitation and temperature
- Current Isabella Storage Conditions
- Daily Reservoir Computations

UPDATED: 07/18/2019

Data Flag	Flag Description
	No Flag
A	Precipitation accumulation
L	Waiting for observer response
N	Error in data
e	Estimated
q	New rating table
r	Revised
s	New shift started
t	Trace of precipitation
v	Out of Valid Range

Archived Report Products:

2024-01-08

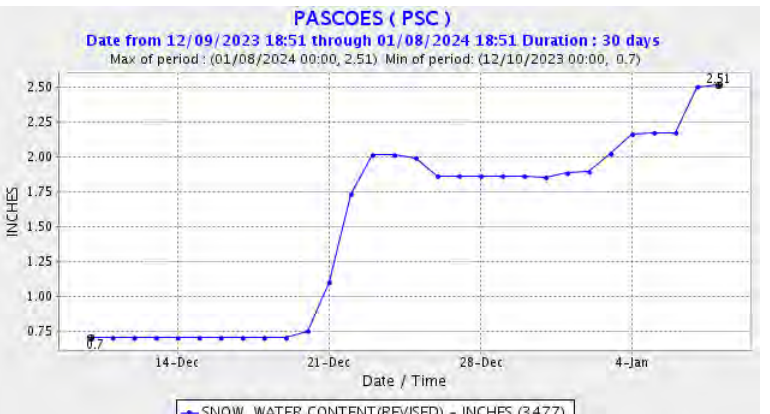
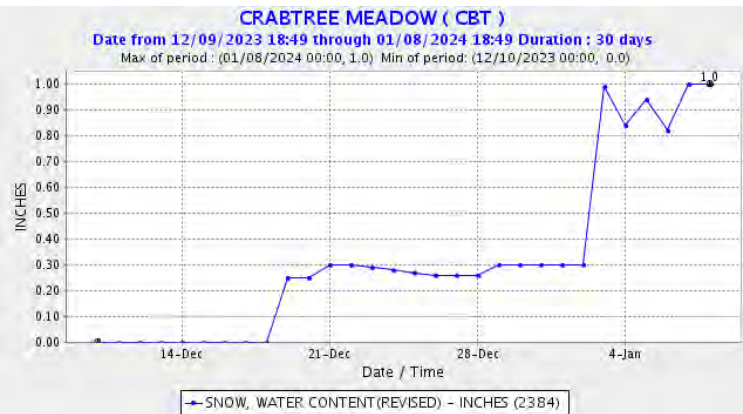
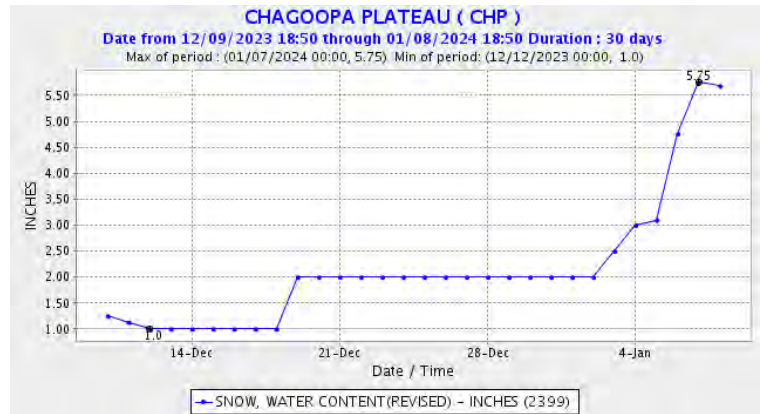
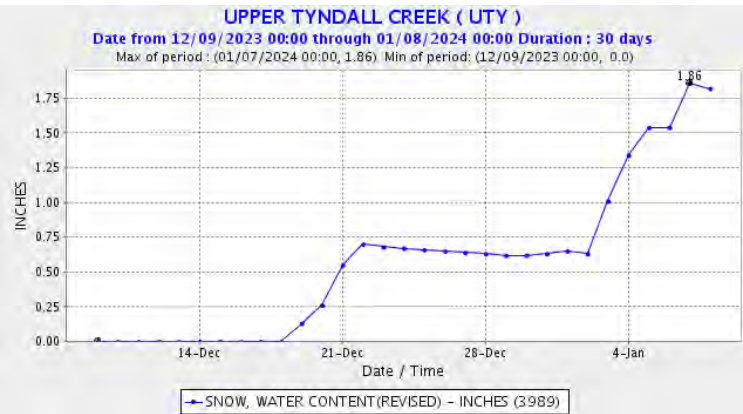
Daily Snow Sensor Report

January 8, 2024

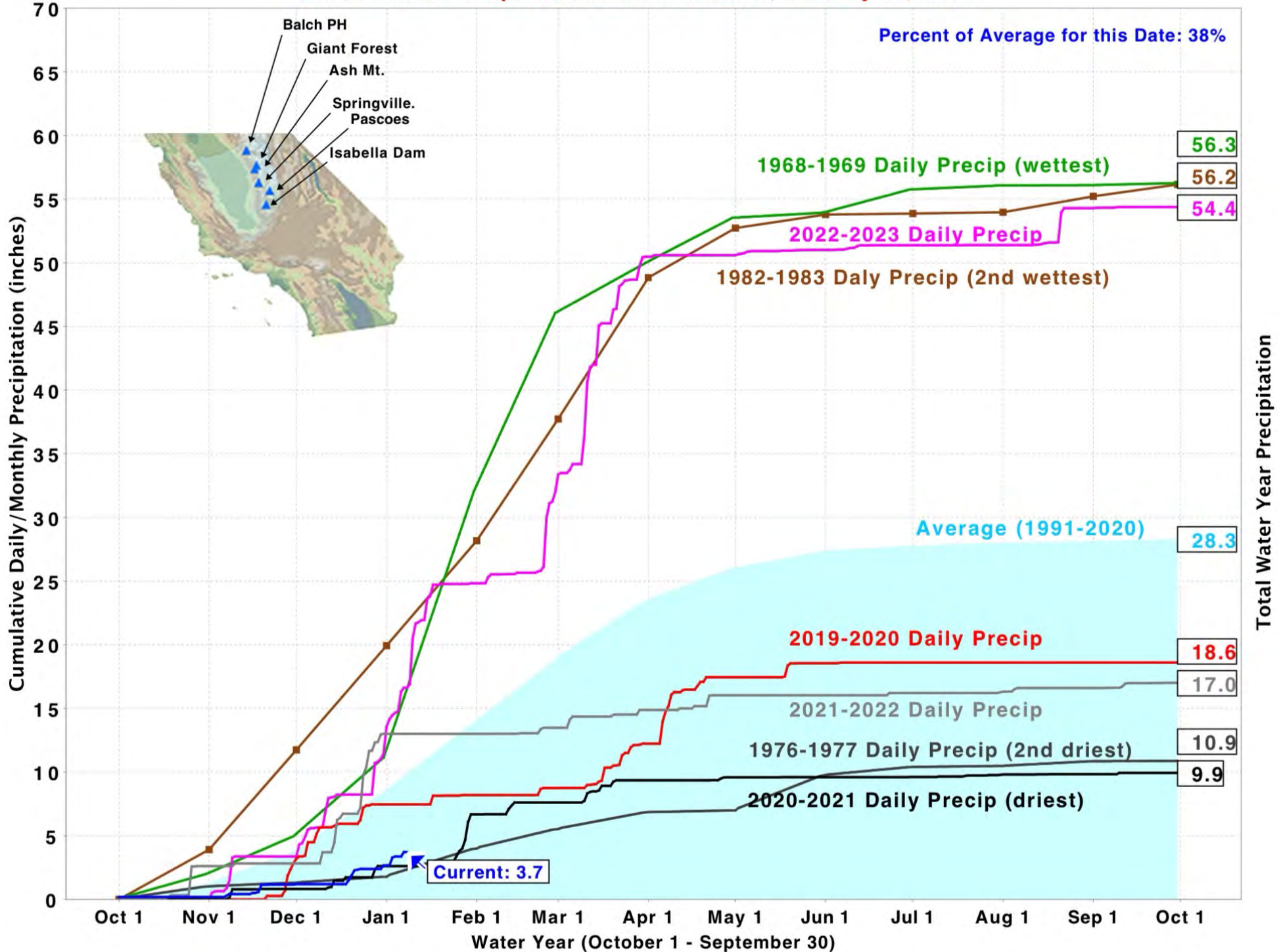
Provided by the California Cooperative Snow Surveys for selected automatic reporting snow gage sensors

Report generated: January 08, 2024 09:35

SNOW WATER EQUIVALENTS								
Station	ID	Coop. Agency	Elev (FT)	Apr 1 Avg (IN)	Today (IN)	Percent Apr 1	24 Hrs Ago (IN)	1 Week Ago (IN)
KERN RIVER								
Upper Tyndall Creek	UTY	USACE	11,500	22.2	1.8	8%	1.9	0.7
Crabtree Meadow	CBT	DWR/DFM/	10,700	16.1	1.0 e	6%	1.0 e	0.3 e
Chagoopa Plateau	CHP	DWR/DFM/	10,300	17.6	5.7	32%	5.8	2.0 e
Pascoes	PSC	USACE	9,120	27.7	2.5 r	9%	2.5 r	1.9 r
Wet Meadows	WTM	USACE	9,039	20.8	6.8	33%	6.8	4.0 e
Tunnel Guard Station	TUN	DWR/DFM/	8,900	10.9	---	---	---	0.0 r
Casa Vieja Meadows	CSV	DWR/DFM/	8,300	17.3	3.8	22%	3.7	1.8 e
Beach Meadows	BCH	DWR/DFM/	7,650	5.0	1.0 e	20%	1.0 e	0.0 e



Tulare Basin Precipitation: 6-Station Index, January 08, 2024





- HOME
- HYDROLOGY
- WEATHER
- CLIMATE
- RESEARCH / OUTREACH
- LINKS
- SEARCH
- ABOUT US

Short-Range Products (hourly timestep)

- Short-Range Peaks
- Threshold Plot
- 10-Day Probability
- 10-Day Accum Vol
- 4x5-Day Probability

Long-Range Products (daily timestep)

- Monthly Probability
- Seasonal Trend Plot**
- WY Trend Plot
- WY Accum Vol
- Multi WY Accum Vol
- Historical Flows
- Verification
- Build Your Own

Back to Ensemble Products Map

Location: [ISAC1](#) -

<<< Previous Ensemble Location (SKRC1) | Next Ensemble Location (DKCC1) >>>

KERN RIVER - LAKE ISABELLA (ISAC1)

Latitude: 35.63° N

Longitude: 118.48° W

Elevation: 2515 Feet

Location: Kern County in California

Bulletin Group: San Joaquin

River Group: Tulare

Issuance Time:

Jan 08, 2024 at 10:04 AM PST

Please Note: Ensemble forecasts produced by CNRFC only consider meteorological uncertainty and do not account for hydrologic uncertainty.

Flow data on this product are unregulated / full natural flow.

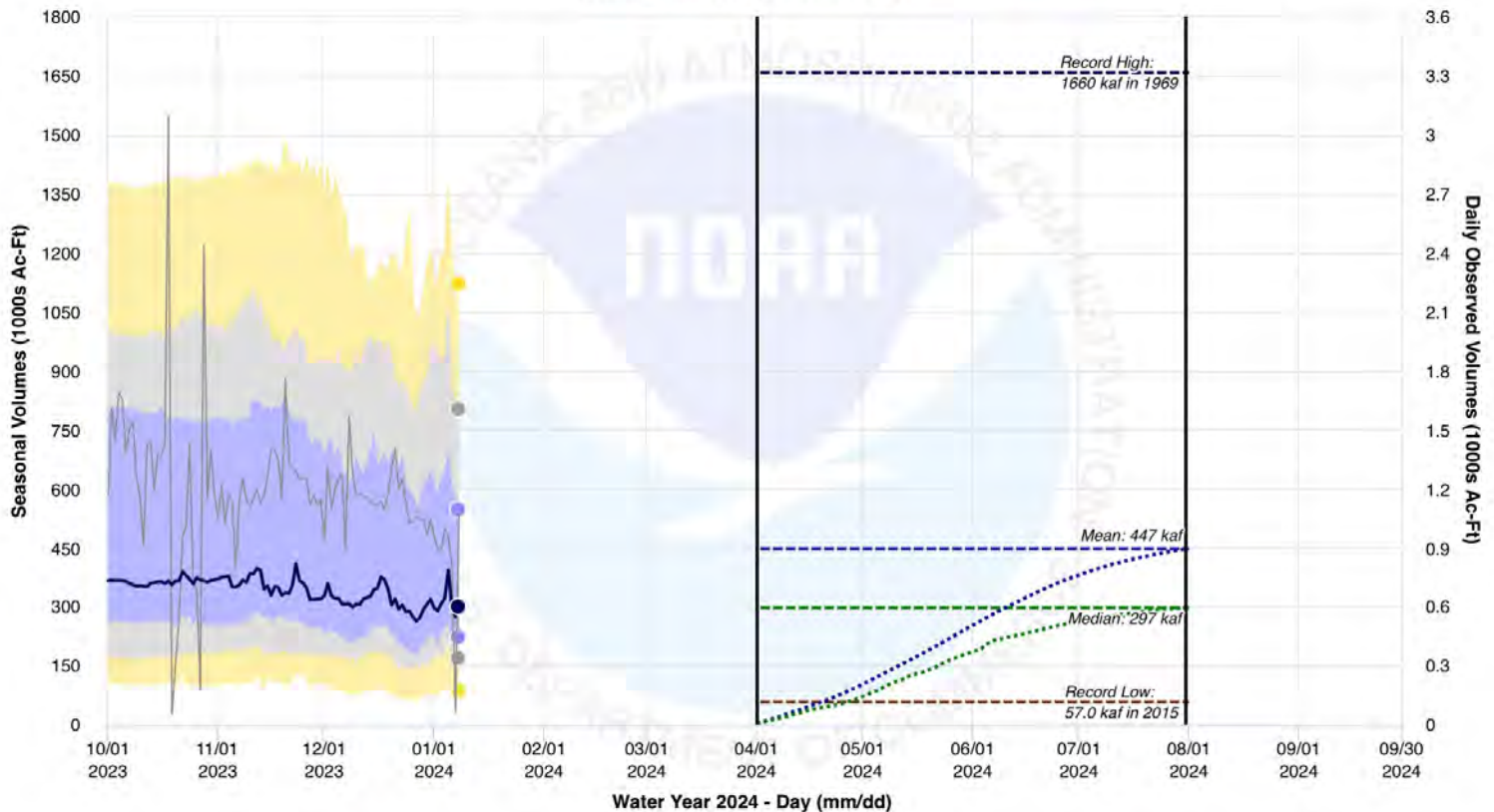
2024 Seasonal Trend Plot (Year View)

Tabular View | Select a Different Water Year: [2024](#)

[Switch to Seasonal View](#)

KERN - ISABELLA DAM, BLO (ISAC1) 01/08/2024
Median Forecast: **300 kaf** | **67% of Mean** | **101% of Median**

Created: 01/08/2024 at 10:04 AM PST



Observed Season to Date Percent of Mean: N/A% (M kaf) Season to Date Mean: kaf
Historical Apr-Jul Vol Max: 1660 kaf in 1969 Historical Apr-Jul Vol Min: 57.0 kaf in 2015

This product only considers meteorological uncertainty and does not account for hydrologic uncertainty.
Means/medians are based on the period of Water Years 1980 through 2021.

Legend entries below can be toggled on/off.

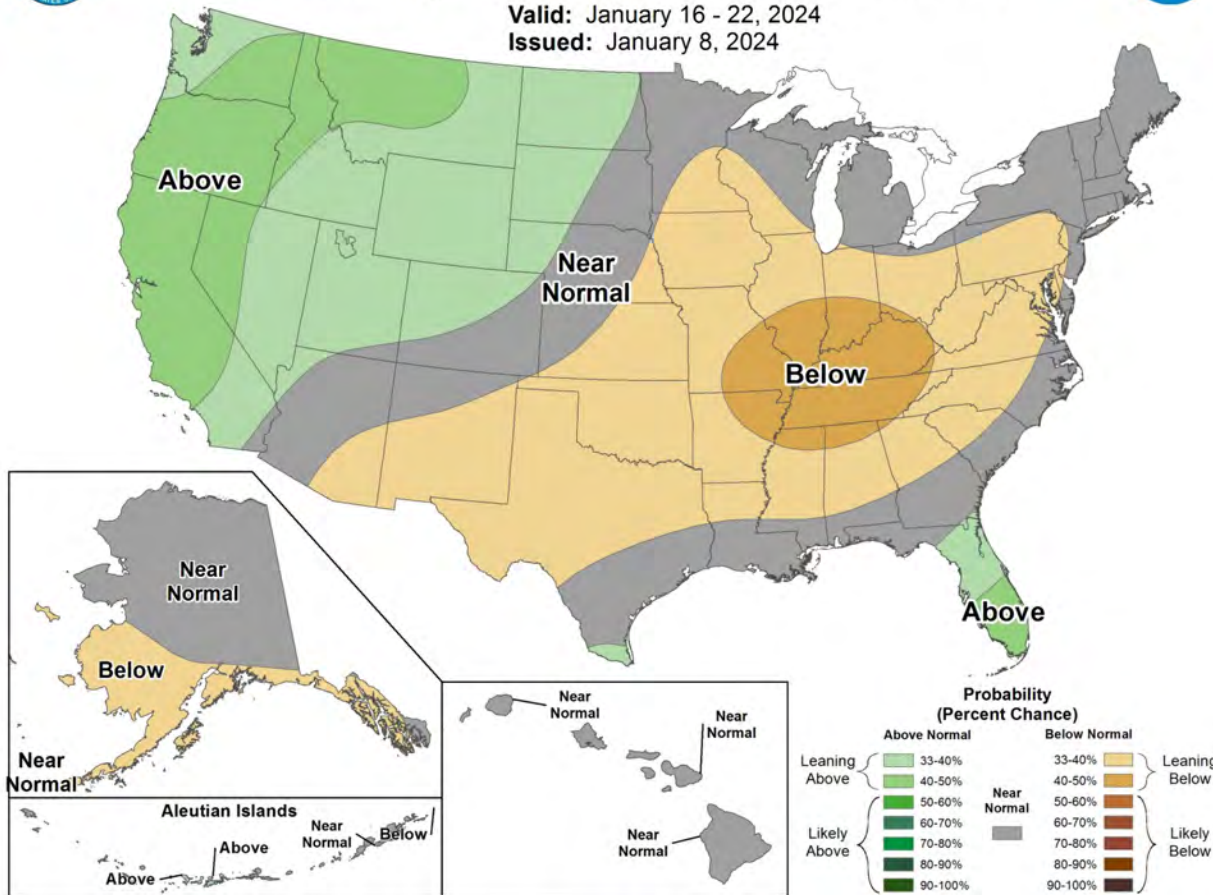
- Apr-Jul Vol Mean
- Apr-Jul Vol Median
- Season to Date Mean
- ◆ Season to Date Median
- Season to Date Obs
- Daily Obs
- ESP Apr-Jul Fcst 50%
- ESP Apr-Jul Fcst 25/75%
- ESP Apr-Jul Fcst 10/90%
- ESP Apr-Jul Fcst Max/Min
- Record Low
- Record High
- ▼ Snow Model Updates



8-14 Day Precipitation Outlook



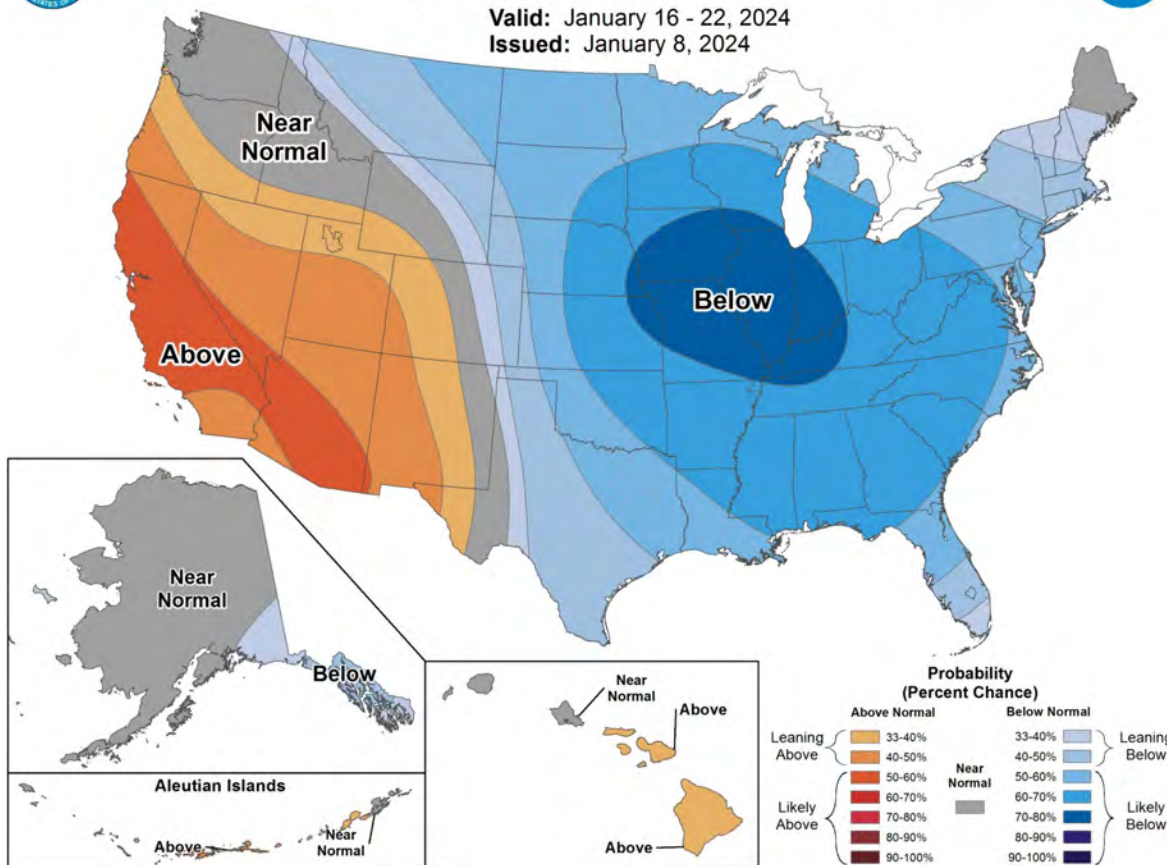
Valid: January 16 - 22, 2024
Issued: January 8, 2024



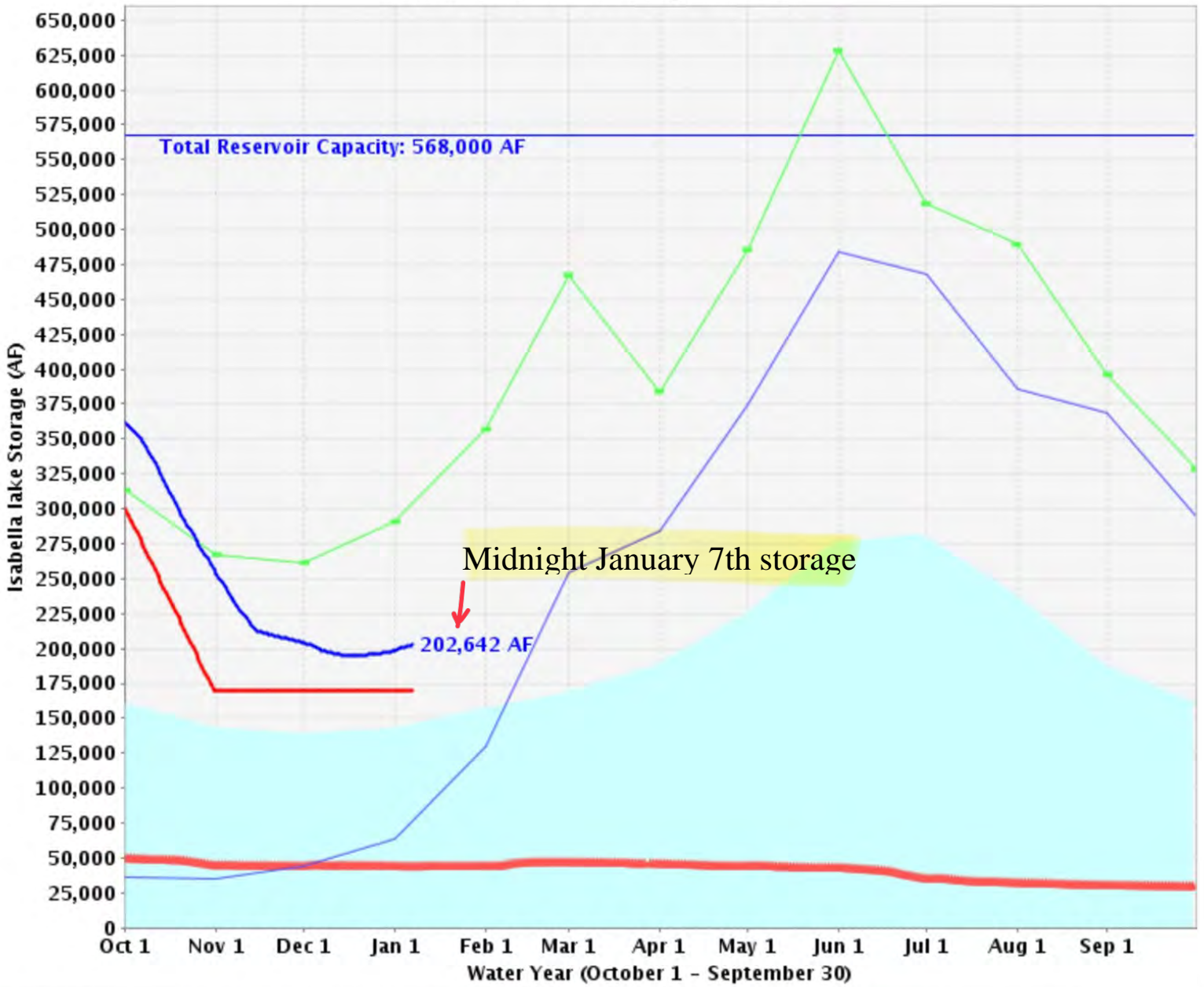
8-14 Day Temperature Outlook



Valid: January 16 - 22, 2024
Issued: January 8, 2024



Isabella lake Storage Levels



Isabella Reservoir Daily Storage, Inflow, and Outflow

Attachment 6

DAILY RESERVOIR COMPUTATIONS												MONTH December							
GROSS POOL ELEVATION: 2605.50 FT STORAGE: 568,075 AC-FT												YEAR 2023							
ISABELLA RESERVOIR, KERN RIVER, CALIFORNIA												NET EVAP		PREPROJECT					
DAY	POOL ELEV MDNT (ft)	STORAGE MDNT (ac-ft)	STORAGE INCREMENT (ac-ft) (sfd)		MEAN OUTFLOW			MEAN INFLOW (cfs)	AVERAGE LAKE AREA (ac)	PAN EVAP (in)	GROSS EVAP		1ST PT FLOW (sfd)	K	LAKE (sfd)	K	LAKE (sfd)	OUTFLOW (sfd)	1ST PT (sfd)
					KERN (cfs)	BOREL (cfs)	TOTAL (cfs)				K	LAKE (sfd)							
																			0.077
1	2565.75	203778	-468	-236	849		849	639	6698	.10		26						639	
2	2565.68	203310	-468	-236	832		832	619	6688	.09		23						619	
3	2565.55	202441	-869	-438	950		950	533	6676	.08		21						533	
4	2565.41	201510	-931	-469	1085		1085	644	6657	.11		28						644	
5	2565.27	200579	-931	-469	1071		1071	648	6639	.10		46						648	
6	2565.10	199455	-1124	-567	1116		1116	593	6618	.17		44						593	
7	2564.97	198598	-857	-432	1083		1083	682	6598	.12		31						682	
8	2564.87	197939	-659	-332	927		927	621	6582	.10		26						621	
9	2564.78	197347	-592	-298	856		856	596	6570	.15		38						596	
10	2564.71	196889	-458	-231	794		794	601	6560	.15		38						601	
11	2564.65	196496	-393	-198	743		743	570	6551	.10		25						570	
12	2564.59	196103	-393	-198	746		746	573	6543	.10		25						573	
13	2564.54	195775	-328	-165	716		716	576	6536	.10		25						576	
14	2564.49	195450	-325	-164	662		662	531	6528	.13		33						531	
15	2564.45	195189	-261	-132	638		638	564	6522	.23		58						564	
16	2564.42	194993	-196	-99	631		631	582	6518	.20		50						582	
17	2564.37	194667	-326	-164	632		632	513	6513	.18		45						513	
18	2564.35	194537	-130	-66	661		661	628	6508	.13		33						628	
19	2564.34	194472	-65	-33	669		669	646	6506	.04		16						646	
20	2564.36	194602	+130	+66	576		576	662	6507	.08		20						662	
21	2564.44	195124	+522	+263	436		436	729	6513	.11		28						729	
22	2564.44	195254	+130	+66	430		430	514	6520	.07		18						514	
23	2564.51	195579	+325	+164	432		432	614	6524	.07		18						614	
24	2564.54	195775	+196	+99	413		413	536	6530	.07		18						536	
25	2564.57	195972	+197	+99	396		396	513	6534	.07		18						513	
26	2564.61	196234	+262	+132	393		393	548	6538	.09		23						548	
27	2564.65	196496	+262	+132	366		366	521	6544	.09		23						521	
28	2564.70	196823	+327	+165	348		348	538	6550	.10		25						538	
29	2564.74	197086	+263	+133	307		307	483	6556	.17		43						483	
30	2564.80	197478	+392	+198	307		307	520	6563	.06		15						520	
31	2564.90	198136	+658	+332	167		167	512	6573	.05		13						512	
SUM																			

DAILY RESERVOIR COMPUTATIONS												MONTH					
GROSS POOL												January					
ELEVATION: 2605.50 FT												YEAR					
STORAGE: 568,075 AC-FT												2024					
ISABELLA RESERVOIR, KERN RIVER, CALIFORNIA												NET EVAP		PREPROJECT			
DAY	POOL ELEV MDNT	STORAGE MDNT	STORAGE INCREMENT		MEAN OUTFLOW			MEAN INFLOW	AVERAGE LAKE AREA	PAN EVAP	GROSS EVAP		1ST PT FLOW	K	LAKE	OUTFLOW	1ST PT
			(ac-ft)	(sfd)	KERN	BOREL	TOTAL				K	LAKE					
	(ft)	(ac-ft)	(ac-ft)	(sfd)	(cfs)	(cfs)	(cfs)	(cfs)	(ac)	(in)	(sfd)	(sfd)		(sfd)	(sfd)	(sfd)	(sfd)
1	2565.00	198796	+1660	+333	96		96	451	6581	.10	22						451
2	2565.09	199389	+593	+299	101		101	411	6599	.05	11						411
3	2565.21	200183	+794	+400	102		102	518	6613	.07	16						518
4	2565.32	200911	+728	+367	102		102	485	6629	.07	16						485
5	2565.42	201576	+665	+335	102		102	451	6642	.06	14						451
6	2565.48	201976	+400	+202	102		102	322	6653	.08	18						322
7	2565.58	202641	+665	+335	194		194	547	6664	.08	18						547
8																	
9																	
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NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 5A

Monthly Consulting Engineers' Report for
North Kern Water Storage District



Summary of Project Activity in December 2023

1. Budgets
2. Active Projects
3. Pending and Closed Projects
4. Grants

Submitted by

GEI Consultants, Inc.
5001 California Avenue, Suite 120
Bakersfield, CA 93309
T: 661-327-7601

Summary of Project Activity in December 2023
North Kern Water Storage District

1. Budgets

Project	Project #	Incurred as of 1/1/24	Budget	Percent Utilized	Budget Projection
General Services 2023	2300418	\$51,101	\$55,000	93%	100%
Legal Counsel Support	1611225	\$93,431	\$125,000	75%	100%
SGMA Implementation Support 2023	2300420	\$11,531	\$15,000	77%	100%
High Speed Rail	1605740	\$279,504	\$390,000	93%	100%
Well Siting for Groundwater Banking	2200344	\$189,211	\$278,400	68%	90%
FY 2022 FEMA BRIC Application	2204082	\$68,935	\$85,000	81%	100%
WDI Phase 3 and Canal Lining	2004274	\$189,254	\$223,500	85%	100% A Task Order will be submitted for consideration for Canal Lining construction management, contract administration, and remaining grant administration.
Environmental for Calloway Canal 7 th Standard to 8-1	2103692	\$32,548	\$36,412	89%	100%
CM and Well Improvements for Long Term TCP	2104244	\$641,891	\$764,740	84%	100%
Calloway Canal Lining 7 th Standard – 8-1 Backup Weir	2301760	\$1,453	\$25,000	6%	100%
Calloway Canal Lining CVC Intertie to Fruitvale Avenue	2301776	\$1,209	\$25,000	5%	100%
Landowner Groundwater Banking Program	2300158	\$13,758	\$56,050	25%	100% ON HOLD
CEQA/NEPA 2022 Reclamation Grant	2301216	\$74,686	\$89,000	84%	100%
2018 Return Capacity Improvements	1804180	\$59,143	\$70,000	84%	100%
Design for 2018 DRP Return Capacity	2202819	\$217,496	\$243,308	89%	100%
2020 Return Capacity Improvements	2101445	\$10,599	\$38,500	28%	100%
2022 Return Capacity Improvements	2301770	\$1,066	\$25,000	4%	100%
Permanent Discharge Structures for NK619 Pipeline	2201324	\$89,737	\$145,010	62%	100%
MLRP Grant Application 2023	2302098	\$22,458	\$30,000	74%	100%
Calloway Canal Lining – CVC to KR CEQA/NEPA	2302099	\$5,489	\$101,500	5%	100%
North Kern Grant Applications	2303704	\$16,314	\$50,000	33%	100%
RRID Grant Applications	2303705	\$23,308	\$30,000	78%	100%
CEQA for RRID Rosedale Recharge Facility	2305132	\$29,471	\$61,500	48%	100%

2. Active Projects

General Services 2023 (GEI Project No. 2300418)

Work in December was general project management, team coordination, and small efforts for future project development.

Upcoming Deliverables: Preparation for and participation in Board meeting and other services as requested.

Active Task Order No.: 23-01

Budget Status: \$51,101 expended of \$55,000 budget (93%)

Budget Forecast: New Task Order submitted for 2024.

Legal Counsel Support (GEI Project No. 1611225)

There was no significant activity during the month of December.

Upcoming Deliverables: As requested by Counsel.

Active Task Order No.: 20-02

Budget Status: \$93,431 expended of \$125,000 budget (75%)

Budget Forecast: It is expected the authorized work will be completed within budget.

SGMA Implementation Support 2023 (GEI Project No. 2300420)

There was no activity during the month of December.

Upcoming Deliverables: None

Active Task Order No.: 23-02

Budget Status: \$11,531 expended of \$15,000 budget (77%)

Budget Forecast: New Task Order submitted for 2024.

High Speed Rail (GEI Project No. 1605740)

Invoice package 66 was prepared.

Upcoming Deliverables: Prepare invoice package #67.

Active Task Order No.: 23-09 Addendum 1 (Add-on to 20-07, 19-07, 18-09, and 02-2017)

Budget Status: \$279,504 expended of \$390,000 budget (93%)

Budget Forecast: The current scope of work is expected to be completed within the authorized budget. Task Order 23-09 was approved to augment the budget to support conflicts at the 9-22 canal and future phase of work from Poplar to F St.

Well Siting for Groundwater Banking (GEI Project No. 2200344)

Small effort in December to compile crop survey data from 1950 through 1980 to correlate with Department of Pesticide Use Regulation dataset.

Upcoming Deliverables: Final Well Siting Study.

Active Task Order No: 22-03

Budget Status: \$189,211 expended of \$278,400 budget (68%)

Budget Forecast: 90%

FEMA BRIC Grant Applications (GEI Project No. 2204082)

Activity in December included discussions about and preparation for a scope modification to revise the site in the grant agreement.

Upcoming Deliverables: Respond to inquiries from FEMA as needed, participate in agreement development after award announcement if funded; prepare scope modification request.

Active Task Order No: 22-12

Budget Status 2204082: \$68,935 expended of \$85,000 budget (81%)

Budget Forecast: The project is expected to be completed within the authorized budget. IA separate budget will be requested for grant administration and project implementation.

WDI Phase 3 and Canal Lining (R19AP00140 and R20AP00064) (GEI Project 2004274)

Activities related to Grant Administration and Reporting included:

- Attention to grant reimbursement invoices in preparation for quarterly reimbursement.

Activities related to WDI Contract Management included:

- This task is on-hold until the next phase of WDI implementation.

Activities related to Calloway Canal Lining Construction Contracting (Snow Road to 7th Standard)

- Activity related to Canal Lining will be minimal until design conflicts are resolved. Activity will be related to overall project management, schedule, and preparation of bid document specifications.

Upcoming Deliverables: Calloway Canal Lining front end specification package; coordination with Reclamation and DWR as needed; preparation of supporting documents for quarterly reimbursement.

Active Task Order No.: 21-03, 21-08

Budget Status: \$189,254 expended of \$223,500 budget (85%)

Budget Forecast: This phase of work is expected to be completed within the authorized budget. A Task Order will be submitted in the fall for consideration for Canal Lining construction management, contract administration, and remaining grant administration.

Environmental for Calloway Canal 7th Standard to 8-1 (GEI Project No. 2103692)

Activities in December included preparing the Draft Biological Assessment and coordination U.S. Bureau of Reclamation.

Upcoming Deliverables: Draft Biological Assessment.

Active Task Order No.: 21-10

Budget Status: \$32,548 expended of \$36,412 budget (89%)

Budget Forecast: This project is expected to be completed within the authorized budget.

CM and Well Improvements for Long Term TCP (GEI Project No. 2104244)

No effort in December.

Substantial completion was granted in October. Remaining work on this project is procurement of switchgear, which will be delayed until Spring 2024. Contractors have demobilized and will complete the work when the required materials arrive.

Upcoming Deliverables:

Active Task Order No.: 21-11

Budget Status: \$641,891 expended of \$764,740 budget (84%)

Budget Forecast: This phase of work is expected to be completed within the authorized budget.

Calloway Canal Lining 7th Standard – 8-1 Backup Weir (GEI Project No. 2301760)

Activity in December included a site visit to take photos in support of environmental documentation.

Upcoming Deliverables: None at this time.

Active Task Order No.: 23-06

Budget Status: \$1,453 expended of \$25,000 budget (6%)

Budget Forecast: This phase of work is expected to be completed within the authorized budget. A Task Order will be submitted for consideration in the future for contracting and construction management support.

Calloway Canal Lining CVC Intertie to Fruitvale Avenue (GEI Project No. 2301776)

There was no activity in December.

Upcoming Deliverables: None at this time.

Active Task Order No.: 23-08

Budget Status: \$1,209 expended of \$25,000 budget (5%)

Landowner Groundwater Banking Project (GEI Project No. 2300158)

No activities were conducted in December as project is on hold.

Upcoming Deliverables: CEQA Checklist, Cultural Resources Memo, and Biological Resources Memo.

Active Task Order No.: 22-13

Budget Status: \$13,758 expended of \$56,050 budget (25%)

Budget Forecast: This project is expected to be completed within the authorized budget.

CEQA/NEPA 2022 Reclamation Grant Project (GEI Project No. 2301216)

Activities in December included coordination with U.S. Bureau of Reclamation for consultation under Section 7 of the Endangered Species Act and Section 106 of the National Historic Preservation Act.

Upcoming Deliverables: None

Active Task Order No.: 23-04

Budget Status: \$74,686 expended of \$89,000 budget (84%)

Budget Forecast: This project is expected to be completed within the authorized budget.

2018 Return Capacity Improvements (GEI Project No. 1804180, 2202819)

Activity in December included minimal project management.

Upcoming Deliverables: Coordination with Reclamation to process scope modification and time extension; specifications for pipeline component bid for 2018 and 2020.

Active Task Order No.: 18-12, 22-10

Budget Status 1804180: \$59,143 expended of \$70,000 budget (84%)

Budget Status 2202819: \$217,496 expended of \$243,308 budget (89%)

Budget Forecast: These projects are expected to be completed within the authorized budget.

2020 Return Capacity Improvements (GEI Project No. 2101445)

Activity in December included minimal project management.

Upcoming Deliverables: None at this time.

Active Task Order No.: 21-06

Budget Status: \$10,599 expended of \$38,500 budget (28%)

Budget Forecast: The current budget is limited to project management and grant administration. Additional budget will be requested for future grant management, design, and construction management.

2022 Return Capacity Improvements (GEI Project No. 2301770)

No activity in December.

Upcoming Deliverables: None at this time.

Active Task Order No.: 23-07

Budget Status: \$1,066 expended of \$25,000 budget (4%)

Budget Forecast: This phase of work is expected to be completed within the authorized budget. A Task Order will be submitted for consideration in the future for design, contracting, and construction management.

Permanent Discharge Structures for NK619 Pipeline (GEI Project No. 2201324)

No significant activity in December.

Upcoming Deliverables: Front-end specs and bid documents.

Active Task Order No.: 22-05

Budget Status: \$89,737 expended of \$145,010 budget (62%)

Budget Forecast: This project is expected to be completed within the authorized budget.

Calloway Canal – CVC to KR CEQA/NEPA (GEI Project No. 2302099)

Activities in December included coordination with the District's design engineer related to project description and approach for compliance CEQA and NEPA.

Upcoming Deliverables: Draft Cultural Resources Report, Draft Biological Assessment, Draft Initial Study/Mitigated Negative Declaration

Active Task Order No.: 23-05

Budget Status: \$5,489 expended of \$101,500 budget (5%)

Budget Forecast: This project is expected to be completed within the authorized budget.

North Kern Grant Applications (GEI Project No. 2303704)

A grant application was submitted to Reclamation's Drought Response Program on November 7 for a Return Capacity Improvements project. The scope of the project included drilling one well and associated pipelines for delivery to the Friant-Kern Canal. \$4,000,000 in Reclamation funding was requested; a minimum of 50% District cost share is required. Funding announcements are expected in late spring/early summer 2024.

Upcoming Deliverables: Respond to Reclamation follow-up questions, as needed.

Active Task Order No.: 23-10

Budget Status: \$16,314 expended of \$50,000 budget (33%)

Budget Forecast: This project is expected to be completed within the authorized budget.

RRID Grant Applications (GEI Project No. 2303705)

Two grant applications were submitted to Reclamation's Drought Response Program on November 7 for recharge projects. The scope of the first application was a recharge facility of approximately 110 acres. \$2,000,000 was requested in Reclamation funding; a minimum of 50% District cost share is required. The scope of the second application was a recharge facility of approximately 230 acres. \$3,759,164 was requested in Reclamation funding; a minimum of 50% District cost share is required. Funding announcements are expected in late spring/early summer 2024.

Upcoming Deliverables: Respond to Reclamation follow-up questions, as needed.

Active Task Order No.: 23-11

Budget Status: \$23,308 expended of \$30,000 budget (18%)

Budget Forecast: This project is expected to be completed within the authorized budget.

CEQA for RRID Rosedale Recharge Facility (GEI Project No. 2305132)

Activities in December included the continued preparation of Administrative Draft Initial Study/Mitigated Negative Declaration.

Upcoming Deliverables: Administrative Draft Initial Study/Mitigated Negative Declaration

Active Task Order No.: 23-12

Budget Status: \$29,471 expended of \$61,500 budget (48%)

Budget Forecast: This project is expected to be completed within the authorized budget.

3. Pending and Closed Projects

CEQA Compliance N. Kern River Region Water Conservation (GEI Project No. 1800123)

No current activity.

Upcoming Deliverables: Notice of Preparation

Active Task Order No.: 18-01

Budget Status: \$4,515 expended of \$319,538 budget (1%)

Budget Forecast: This project is expected to be completed within the authorized budget.

RRID Groundwater Recharge Information Study (GEI Project No. 2004230)

Activities were related to review and feedback on the preliminary draft of an Engineer's Report and supporting materials; preparation of a summary spreadsheet; preparation of a draft Executive Summary; and consultation with District staff and Counsel.

Upcoming Deliverables: No further deliverables anticipated.

Active Task Order No.: 20-09

Budget Status: \$17,413 expended of \$20,000 budget (87%)

Budget Forecast: This project is expected to be completed within the authorized budget.

Environmental Documentation for 2018 Return Capacity Improvements (GEI Project No. 1804142)

No activities were conducted in October.

Upcoming Deliverables: None

Active Task Order No.: 18-13

Budget Status: \$162,027 expended of \$162,276 budget (100%)

Budget Forecast: This project has been completed within the authorized budget.

CEQA for Landowner Groundwater Banking (GEI Project No. 2200298)

No activities were conducted in October.

Upcoming Deliverables: None

Active Task Order No.: 22-04

Budget Status: \$49,753 expended of \$49,808 budget (100%)

Budget Forecast: This project has been completed within the authorized budget, which includes the change order.

Environmental Documentation for 2020 Return Capacity Improvements (GEI Project No. 2101050)

Activities in October included coordination with Reclamation and District staff and project management for closeout.

Upcoming Deliverables: All deliverables have been completed.

Active Task Order No: 21-05

Budget Status: \$78,133 expended of \$78,330 budget (99%)

Budget Forecast: This project has been completed within the authorized budget.

FY 2022 Grant Applications (GEI Project No. 2103479)

The fully executed grant agreements for Calloway Canal Lining from Fruitvale Avenue to the CVC Intertie and 2022 Return Capacity Improvements have been received. This project will be closed, and task orders will be submitted for new project numbers for grant administration and project implementation. Semi-annual reports were prepared and submitted.

Upcoming Deliverables: Participate in NEPA meetings; prepare grant reports.

Active Task Order No: 21-09

Budget Status: \$33,319 expended of \$50,000 budget (63%)

Budget Forecast: This project is expected to be completed within the authorized budget. A separate budget will be requested for project implementation.

Monitoring and Reporting Plan Development for On-Farm Recharge Projects (GEI Project No. 2004704)

Draft report was submitted and reviewed by the district. As requested, a recommended monitoring well design will be added to the plan before it is finalized.

Upcoming Deliverables: Monitoring well design and final report.

Active Task Order No.: 20-10

Budget Status: \$17,233 expended of \$16,500 budget (104%)

Budget Forecast: No further labor effort is expected to this project number.

FY 2023 Grant Applications (GEI Project No. 2201588)

This project will be closed and removed from the report. A Task Order will be submitted for consideration for the next round of Grant Applications, expected to be released in July.

Upcoming Deliverables: None.

Active Task Order No: 22-08

Budget Status 2201588: \$46,363 expended of \$85,000 budget (55%)

Budget Forecast: The project is expected to be completed within the authorized budget.

MLRP Grant Application 2023 (GEI Project No. 2302098)

In June, the District was notified that the Multibenefit Land Repurposing Program grant was not awarded for North Kern and SWID's project. Four awards were made. It was understood at the time of applying that the program was highly competitive. Further, several entities that had applied to the program the previous year reapplied this year, which is often advantageous. In general, multi-benefit focused programs are challenging for recharge projects in Kern County when the competition is from other regions of the State with more obvious multi-benefits. More land repurposing funding may be available in the future. The information learned through the application process will be helpful in future funding pursuits like this. This project will be closed.

Upcoming Deliverables: None.

Active Task Order No: 23-03

Budget Status: \$22,458 expended of \$30,000 budget (75%)

Budget Forecast: This project is expected to be completed within the authorized budget.

CEQA and NEPA for 2021 Expanded Water Banking Program (GEI Project No. 2101049)

Project is on hold pending planning beyond the banking partnership project.

Upcoming Deliverables: To Be Determined

Active Task Order No: 21-04

Budget Status: \$43,298 expended of \$315,900 budget (14%)

Budget Forecast: This project is expected to be completed within the authorized budget.

4. Grants

Pending Applications				
Program	Project	Scope	Requested Funding	Comments
DRP	Return Capacity Improvements	Drill 1 well and associated pipeline to deliver water to FKC	\$4,000,000	Award announcement expected in summer of 2024
DRP	RRID R-3 Recharge Facility	110-acre recharge facility	\$2,000,000	Award announcement expected in summer of 2024. Only one of the two RRID recharge facilities will be funded as the scopes overlap (the acreage in R-3 is included in the Rosedale Estates application).
DRP	RRID Rosedale Estates Recharge Facility	230-acre recharge facility	\$3,759,164	Award announcement expected in summer of 2024. Only one of the two RRID recharge facilities will be funded as the scopes overlap (the acreage in R-3 is included in the Rosedale Estates application).

Pending Agreements					
Program	Project	Scope	Awarded Funding	Estimated District Cost	Comments

Summary of Project Activity in October 2023
North Kern Water Storage District

Pending Close-Out				
Project	Combined Scope	Combined Funding	District Cost	Comments

Summary of Project Activity in October 2023
 North Kern Water Storage District

Active Agreements					
Project	Agreement #	Scope	Funding	Estimated District Cost	Agreement Completion Date
Calloway Canal Lining and WDI Phase 3 <i>(6,041 LF canal lining, WDI 30 wells and 15 RTUs)</i>	R19AP00140	2,200 LF Calloway Canal lining, WDI 23 Wells, 15 RTUs	\$1,488,000	\$3,507,000 *Assuming \$800/LF and non-construction costs equal 15% of total	December 2024
	R20AP00064	3,841 LF Calloway Canal lining, WDI 7 wells	\$1,477,500		December 2024
	4600013880	1,370 LF Calloway Canal lining	\$872,460		December 2024
2018 Return Capacity Improvements	R18AP00088	Connect 5 existing wells to FKC; Drill, equip, and connect 2 replacement wells	\$722,258	TBD. Project is in preliminary stages.	December 2023 <i>Scope modification request submitted 7/27/2022. Verbally approved, pending executed modification as of 7/7/2023. Extension requested June 2023.</i>
2020 Return Capacity Improvements	R20AP00114	Connect 2 existing wells to FKC; Drill, equip, and connect 2 replacement wells	\$735,000	TBD. Project is in preliminary stages.	December 2025

Summary of Project Activity in October 2023
 North Kern Water Storage District

Active Agreements, Continued					
Project	Agreement #	Scope	Funding	Estimated District Cost	Agreement Completion Date
Calloway Canal Lining from 7 th Standard to 8-1 Backup Weir	R22AP00032	6,744 linear feet concrete lining	\$2,000,000	TBD. Project is in preliminary stages.	December 2025
2022 Return Capacity Improvements	R22AP00412	3 replacement wells	\$2,000,000	TBD. Project is in preliminary stages.	December 2024
Calloway Canal Lining from Fruitvale Avenue to CVC Intertie	R22AP00515	5,280 linear feet concrete lining	\$2,000,000	TBD. Project is in preliminary stages.	December 2024

**NORTH KERN WATER STORAGE DISTRICT
Confidential Board Meeting**

Agenda Item 8A

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NORTH KERN WATER STORAGE DISTRICT

January 11, 2024

TO: GROUNDWATER COMMITTEE
Directors Camarena and Holtermann, Alternate Glende

FROM: David Hampton and Ram Venkatesan

RE: Update on NCK Group, Coordination Committee, and SGMA Related Activities

The North Central Kern Groundwater Sustainability Agency Group (NCK GSA) continues to work with the Kern Subbasin Coordination Committee (CC) to develop coordinated Groundwater Sustainability Plans (GSP) that address deficiencies provided in the March 2, 2023 Inadequate Determination Letter from the California Department of Water Resources (DWR). The following summaries provide recent activity updates:

State Water Resources Control Board (SWRCB)

At the December 19, 2023 SWRCB meeting the SWRCB Staff provided a SGMA implementation update and a copy of certain presentation slides are attached for your reference. Most notably, the Staff provided an updated schedule for the proposed probationary hearings which pushed the Kern County Subbasin's hearing to January 2025. This appears to provide some relief in our subbasin's schedule to develop a coordinated GSP but the reality is we need to maintain our current GSP development schedule targeting completion by May or June. This would provide the SWRCB Staff enough time to review the new GSP and hopefully give them the opportunity to recommend going back to DWR and avoiding the hearing. As noted in the slides, the Staff is planning for 3 months to review a GSP, and 1 additional month for each additional plan.

As discussed at the previous District Board meeting, our Subbasin continues to move forward with the single plan approach but certain agencies are considering independent coordinated plans due to concerns over the "good actor" exemption from probationary status. There were and remain questions regarding a GSA's ability to exercise this exemption if a GSA did not have its own adopted separate plan versus being covered by a single subbasin GSP. The Staff did address this issue at the SWRCB meeting but fell short of providing a definitive answer.

The next SWRCB Staff and Kern Subbasin meeting is scheduled for January 24, 2024 and the TWG will present a proposed coordinated SMC for water quality. Although water quality was not one of the deficiencies reported by DWR, there is a need to provide a coordinated water quality SMC in the new updated GSP. The TWG is proposing a simple approach that focuses on setting MTs at the water quality MCL for arsenic, nitrate, and TDS in areas that are vulnerable to these constituents. The RMW wells have not been selected at this time but the TWG is proposing up to about 15 RMWs for arsenic and nitrates and just monitoring for TDS.

Subbasin Coordination

The managers continue to meet every Friday and the Coordination Committee continues to meet every Monday. Recent topics include the proposed water quality SMC concept and preparation for our next meeting with the SWRCB Staff, development of a JPA or agreement for the management of the white lands, and a draft exceedance policy for groundwater level MTs. The next agenda includes a discussion on developing the critical infrastructure matrix for subsidence.

Attachments:

December 19, 2023 SWRCB Staff Presentation Slides

Sustainable Groundwater Management Act



Implementation Update
December 19, 2023



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I'm joined today by our director of the
Office of Research, Planning, and Performance



TOPICS

- 1. State intervention - status**
- 2. Updated schedule**
- 3. Basins still under review**
- 4. Steps to exit state intervention**



Okay, next slide,

State Intervention



address issues, the GSAs have at least one year to

Proposed Schedule for Holding Probationary Hearings



Tulare Lake	Apr 16, 2024
Tule	Sep 2024
Kaweah	Nov 2024
Kern County	Jan 2025
Delta-Mendota	1st quarter 2025
Chowchilla	2nd quarter 2025****



*** if needed, pending State Water Board probationary hearings. We have to Larry Lake currently (an submitted May 5, 2023)

Tule: Potential Schedule



2024

March



Release draft
deficiencies
Notice to cities
and counties

March



Notice to all
known
pumpers

April



Stakeholder
meetings

May



Public
comment
period ends

August



Release final
deficiencies
Issue draft
resolution

September



Hearing
Potential
preliminary
designation

In August, we would release the final staff report and

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STEPS to Exit State Intervention



STEP 1: GSA(s) revise plan

STEP 2: Board staff review submitted plan(s) – timelines

STEP 3: Board decides

Side note: “Good Actor” exemptions

Next slide, please.

STEPS to Exit State Intervention



- STEP 1: GSA(s) revise plan

Identify for each deficiency: 1. Issue noted in previous GSP 2. New content in revision 3. Explanation on how the changes address the deficiency

STEPS to Exit State Intervention



STEP 2: Board staff review submitted plan(s) - timelines

Plan for **three months** for one plan, likely one additional month for each additional plan

If inadequate time is provided before a hearing, staff will only be able to perform a **cursory review (if any)**

- If any substantial deficiencies appear unresolved, staff will recommend **continuing with the hearing**
- If all deficiencies appear resolved, staff will recommend a delay so staff can complete **comprehensive review and incorporate public feedback**



Submittal of new or revised plans does not guarantee cancellation or delay of a hearing

STEPS to Exit State Intervention



- **STEP 3: Board decides**

If plan is fixed: hearing could be either (1) cancelled or (2) kept so staff can publicly recommend ending state intervention; any probationary basin determination will be rescinded

If plan is *not* fixed: Any scheduled hearings will be held; probationary basin requirements will remain in place

STEPS to Exit State Intervention



HQ Coastal S...

- Side note: “Good Actor” exemption from probationary status:

To qualify for this exemption, any area must have a GSA that “demonstrates compliance with the sustainability goal” for the subbasin. This means:

- Area is covered by a GSA
- Area has a GSP that meets the requirements of SGMA

groundwater sustainability agencies that will request a



BOARD RESOURCES



- FAQs for GSAs
- FAQs for Pumpers
- Soon: more guidance on submitting revised plans

Basin and Groundwater Sustainability Act

SGMA Groundwater Quality Visualization Tool

Wells Data with Detections greater than the Comparable Concentration Value

Impacted Wells by Constituent

SUSTAINABLE GROUNDWATER MANAGEMENT ACT
Frequently Asked Questions

Groundwater, the Sustainable Groundwater Management Act, and State Intervention

What is groundwater?

Groundwater is water found beneath the Earth's surface. When rain falls to the ground, some of it flows along the surface in streams and rivers; some of it is used by plants; some of it evaporates and returns to the air; and some of it sinks into the ground and becomes groundwater. Groundwater makes up a significant portion of the Earth's fresh water.

Groundwater exists in - and slowly moves through - aquifers. Aquifers are made of layers of gravel, sand, sandstone, fractured rock, or sediment. Large amounts of water can be stored in aquifers. Aquifers can make up a significant portion of the Earth's fresh water.

CALIFORNIA Water Boards
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groundwater sustainability agencies and for groundwater