

Board Meeting



March 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.

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Phone Conference ID: 944 706 059#

Tuesday, March 19, 2024 - 7:00 a.m.

CALL TO ORDER
PUBLIC COMMENT

1. Board Meeting Minutes
 - A. Approve Minutes of February 20, 2024 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

3. General Informational Items
 - A. Kern River Watermaster Report
 - B. Kern River Watershed Coalition Authority Update*

4. Public Hearing (7:15 a.m.) – Resolution of Necessity to Acquire Property by Eminent Domain

5. 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

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

7. Budget and Personnel Committee
 - A. Consider Amendment to 2024 Budget
 - B. Consider Long-Term Financing for Well Replacement and Calloway Lining Projects, Tri-Counties Bank

8. Engineering Committee
 - A. Consider Awarding Contract for 2018 and 2020 Return Capacity Project
 - B. Consider Task Order No. 24-XX for Construction Management, GEI
9. Groundwater Committee
 - A. North Central Kern (NCK) GSA
 1. Update on Coordination Committee and SGMA Activities*
 2. Consider Approval of Letter of Intent to Engage Self-Help Enterprises
 3. Consider Proposal for Additional Data Collection and Modeling to Support Subsidence Mitigation Costs Analysis for the Friant Kern Canal, Intera
10. Produced Water Ad Hoc Committee*
11. Negotiating Committee*
12. Counsel of District*
13. Rosedale Ranch Improvement District
 - A. Consider Resolution Adopting Initial Study/Mitigated Negative Declaration for the Rosedale Ranch Improvement District R-3 Groundwater Recharge and Banking Project
14. General Manager's Report*

OTHER BUSINESS

15. 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 February 20, 2024

A Meeting of the Board of Directors of North Kern Water Storage District was in person - commencing at 7:00 a.m., on February 20, 2024.

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 Duerosan (Controller), Angel Ventura (Staff Engineer), Maria Sotelo-Kumar (Accounting Clerk), Christy Castaneda (Administrative Assistant) of North Kern Water Storage District, Alan Doud & Scott Kuney and Brett Stroud (District Counsel - Young Wooldridge), Guests present: Arthur Chianello, William Scott, John Gaugel, Vincent Sorena, Stephanie Hearn, Sebastian Silveira, Byron Fox and Sonia Lemus.

President Andrew called the meeting to order at 7:07 am and opened the floor for public comments. At this time, Byron Fox of Byron Fox Farming addressed the Board and requested to have the 2023 BSC late fees waived for Driver Road McFarland CA LP (Landowner) because as the lessee, he didn't receive the original invoice since it was mailed to the Landowner in Virginia. At this time Sebastian Silveira, a representative of Gladstone Land (the Parent Company of the Landowner), also addressed the Board requesting the late fees to be waived. Additionally, Mr. Fox requested that the District mail him a copy of future BSC invoices to avoid similar future issues. The Board deferred their discussion to Closed Session.

Board of Directors –

(24-07) Upon motion of Director Ackerknecht, seconded by Director Holtermann and unanimously carried, to approve the minutes from the January 16, 2024, 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 Issuance of Standard License Agreement, PG&E

(24-08) Upon motion of Director Camarena, seconded by Director Ackerknecht and unanimously carried, to approve the Consent Calendar.

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

General Informational Items –

Watermaster Chianello provided an update on hydrologic conditions and shared various reports and charts reflecting historical and current watershed data. He stated that the most probable projection for the April – July runoff is between 84% - 113% of average. Mr. Chianello also indicated that flights for Cloud Seeding have continued with the last flight completed on February 18, 2024.

Mr. Holtermann provided a brief update on the Kern River Watershed Coalition Authority. He indicated the Kern Water Collaborative group is starting to hold more frequent meetings.

Financial Matters –

(24-09) Upon motion of Director Ackerknecht, seconded by Director Holtermann and unanimously carried, to receive and file the Treasurer’s Report for the North Kern Water Storage District for the month of January as presented.

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

(RR24-10) Upon motion of Director Ackerknecht, seconded by Director Holtermann and unanimously carried, to receive and file the Treasurer’s Report for the Rosedale Ranch Improvement District for the month of January 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 January were reviewed and accepted as presented.

(24-11) Upon motion of Director Camarena, seconded by Director Ackerknecht and unanimously carried, to approve payment of the Accounts Payable balance for the North Kern Water Storage District for the month of January as presented.

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

(RR24-12) Upon motion of Director Camarena, seconded by Director Ackerknecht and unanimously carried, to approve payment of the Accounts Payable balance for the Rosedale Ranch Improvement District for the month of January as presented.

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

Consulting District Engineer –

Status of Grants – GEI’s grant activity has been busy during the past couple of months. Ms. Hearn indicated GEI is finalizing a Water and Energy Efficiency Grant Program application for the Calloway Canal Lining that has a due date of February 22, 2024. GEI has submitted grant applications for Drought Resiliency Projects, mostly benefiting Rosedale Ranch Irrigation District’s water banking program.

The Technical Working Group (TWG) has drafted several sections of the Subbasin’s common GSP. In the past month, the several Chapters have been released for manager’s review. Upcoming chapters are groundwater conditions and approach to SMCs. In January, the water quality subcommittee presented groundwater conditions and their proposed approach to establishing SMCs for water quality. The well mitigation subcommittee is preparing to present on the Subbasin’s well inventory and proposed mitigation program to DWR in early March. The Kern Subbasin is the first to develop a comprehensive well inventory, as recommended by DWR.

Irrigated Lands Regulatory Program/CV Salts –Ms. Hearn stated that the Regional Water Control Board and Central Valley Salinity Coalition are conducting a Nitrate Control Program workshop on February 29, 2024. The workshop will address the regulatory requirements and lessons learned from Priority 1 Subbasins.

Budget & Personnel Committee –

After a brief discussion of the current hydrologic year so far, District Staff recommended adjusting the North Kern Water toll rates to \$100 per AF effective March 1, 2024.

(24-13) Upon motion of Director Ackerknecht, seconded by Director Holtermann and unanimously carried, to direct Staff to set the Water Toll rate effective March 1, 2024, to \$100 per AF for the North Kern Water Storage District.

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

Engineering Committee –

(24-14) Upon motion of Director Glende, seconded by Director Ackerknecht and unanimously carried, to authorize the execution of the District License Agreement to Lennar Homes of California for constructing the roadway and installing utilities across the District 8-1 pipeline property north of Seventh Standard Road.

(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). The Subbasin continues to push for completing the Subbasin GSP by mid-May, but Mr. Hampton noted there are a couple GSAs that believe they need to submit their own GSP. Most of the Subbasin believes a single plan approach is the best option for the SWRCB review process. If there are multiple coordinated GSPs submitted, then the review schedule will be impacted and it is less likely the review will be completed before a potential probational hearing notice is issued.

Mr. Hampton stated the District held a Landowner meeting on February 2, 2024. Staff provided updates on hydrology, groundwater conditions, water operations, water supplies, Kern River matters and GSP development activities including Sustainable Management Criteria for groundwater levels, water quality, and subsidence. The discussion also included potential mitigation for the Friant-Kern Canal.

With respect to SGMA activities, the Managers and the Coordination Committee continue to meet weekly. The on-going discussions include critical infrastructure, coordinated water budgets, Friant-Kern Canal subsidence mitigation, drinking water well mitigation, and white land management. The Subbasin continues to be aggressive with the GSP schedule planning to submit the final draft to SWRCB and DWR by May 15, 2024.

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 Improvement District –

(24-15) Upon motion of Director Ackerknecht, seconded by Director Camarena and unanimously carried, to authorize the General Manager to execute Task Order 24-03 with GEI Consultants for grant implementation support for a budget amount not-to-exceed \$60,000 for the Federal Emergency Management Agencies grant to construct recharge ponds for the Rosedale Ranch Improvement District.

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

General Manager's Report – No report at this time.

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
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(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 8:30 a.m.

The Board reconvened back into open session at 11:22 a.m.

At this time, the Board reported that after some discussion, it was decided that the District would not approve Byron Fox's request to waive the late penalty fees for the BSC Assessments.

Respectfully Submitted,

David Hampton, General Manager

Approved by Board
March 19, 2024

Kevin Andrew, President

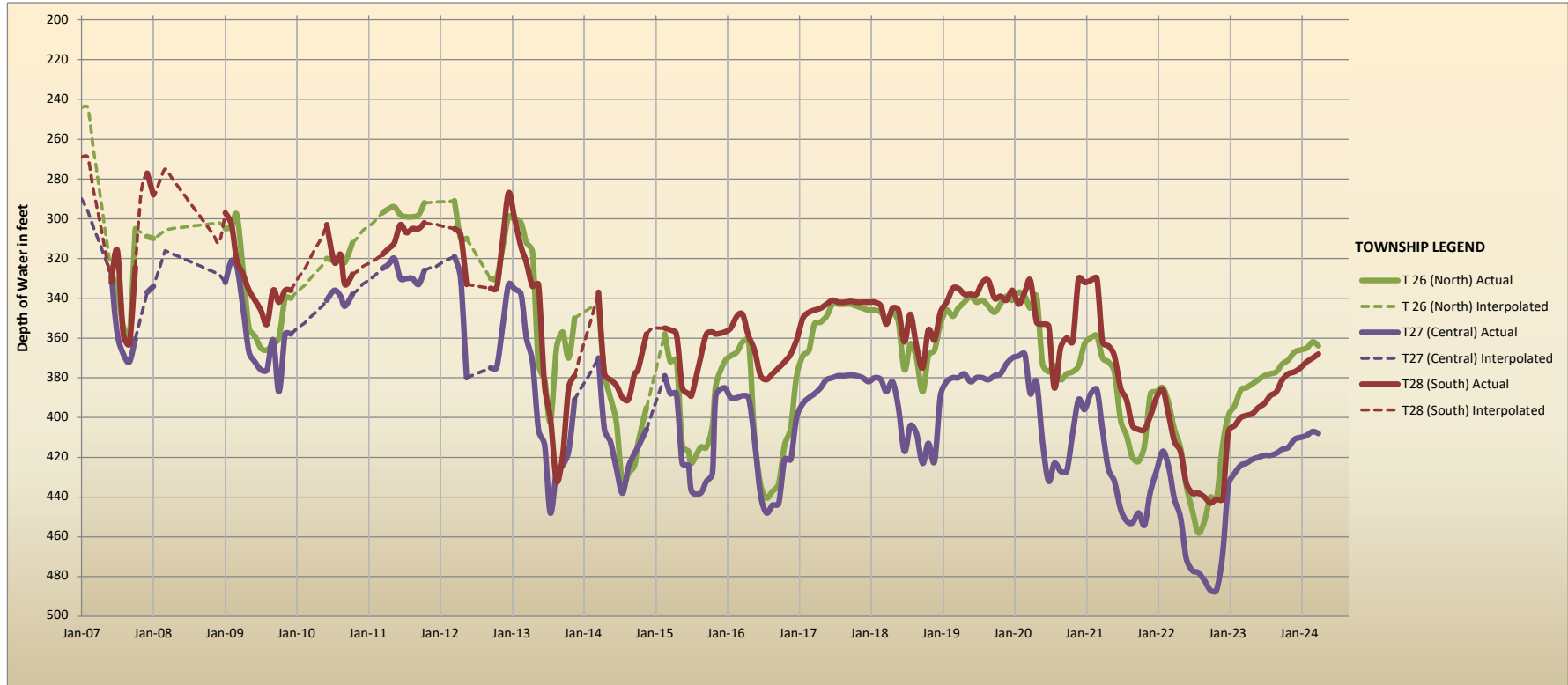
**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

**Agenda Item 2
Consent Calendar**

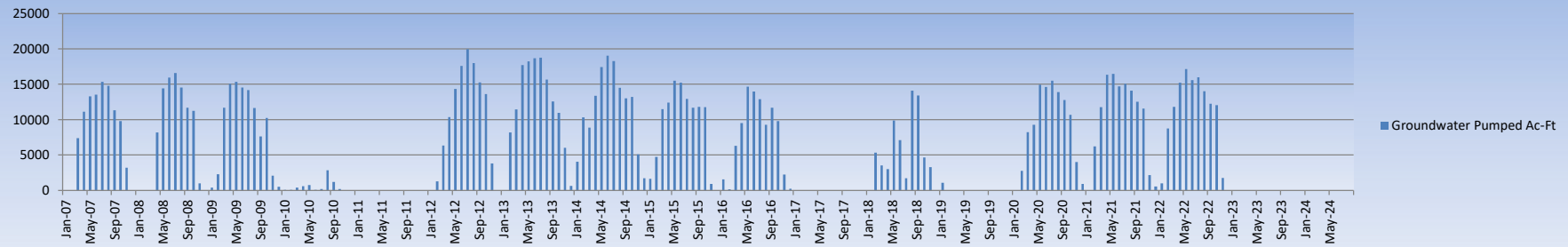
NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 2A

NORTH KERN WATER STORAGE DISTRICT AVERAGE MONTHLY GROUNDWATER LEVELS BY TOWNSHIP



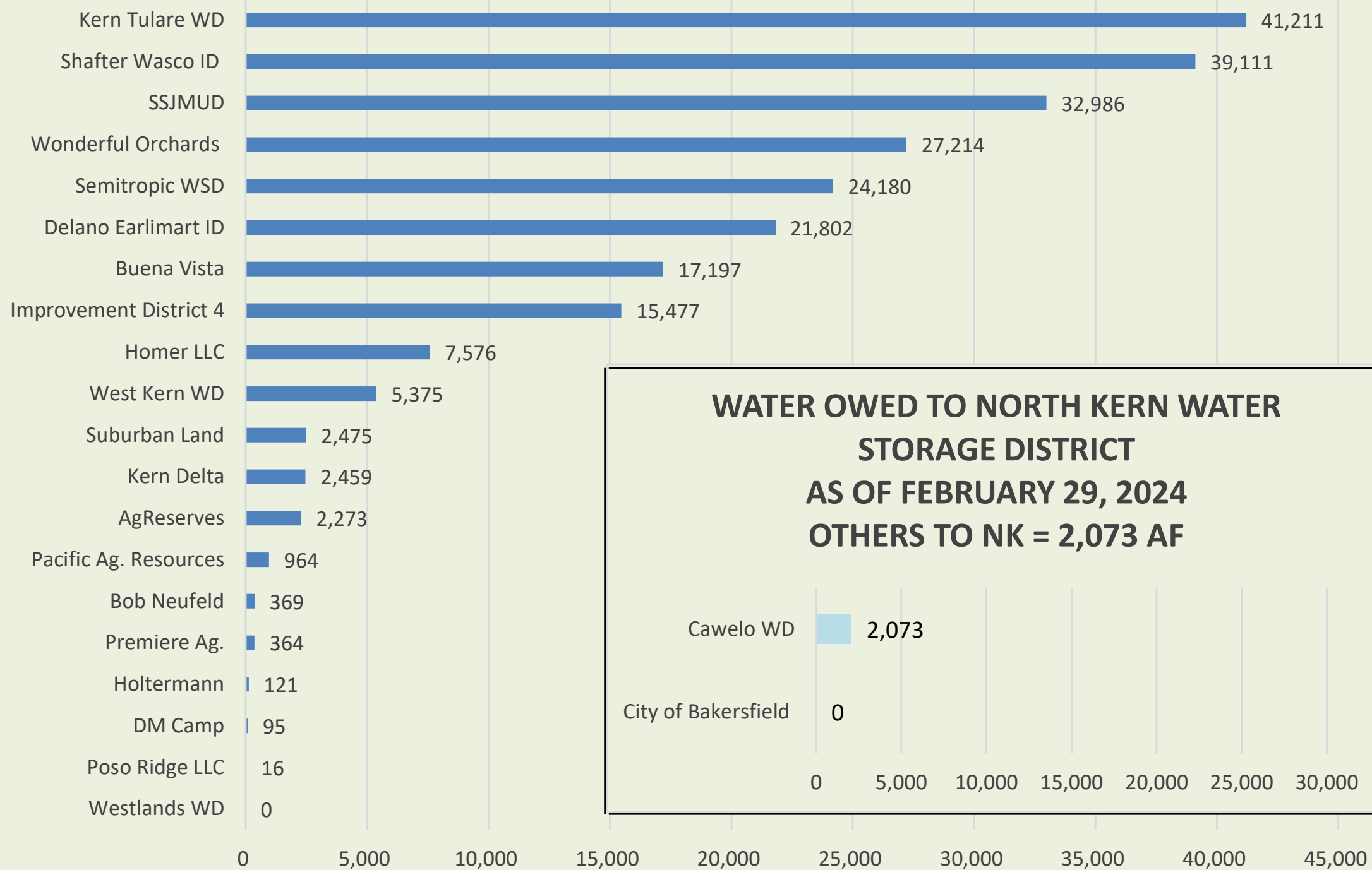
DISTRICT DEEP WELL PRODUCTION Ac-Ft



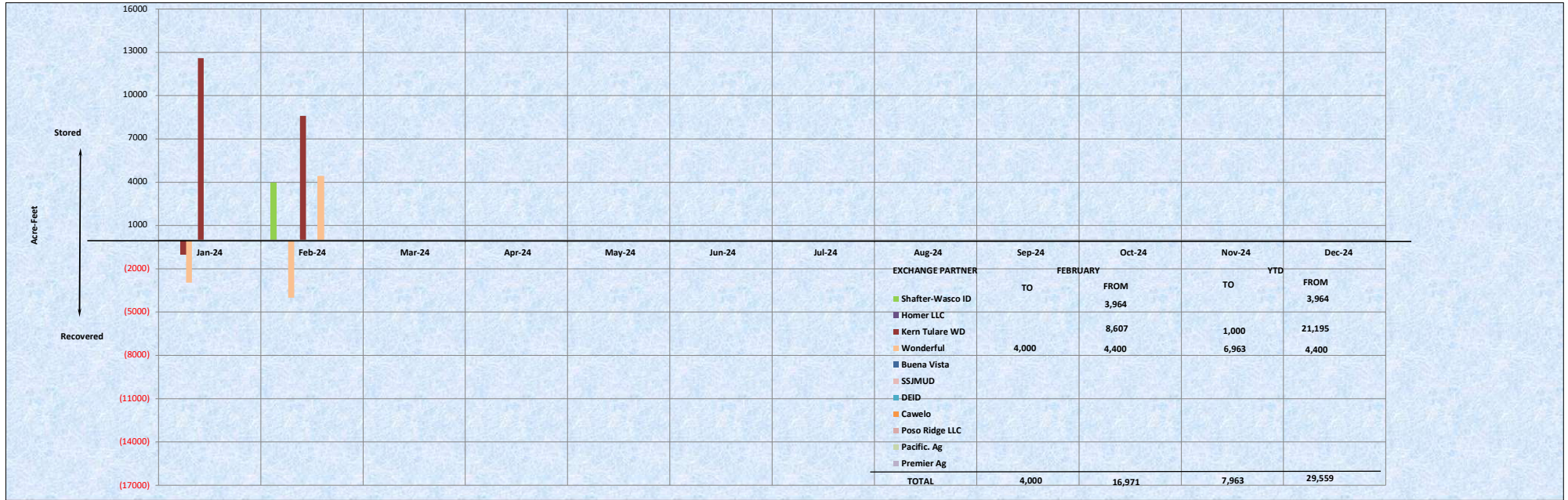
**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 2B

**NORTH KERN WATER STORAGE DISTRICT
GROUNDWATER BALANCE AS OF
FEBRUARY 29, 2024
NK TO OTHERS = 265,785 AF**



**NORTH KERN WATER STORAGE DISTRICT
MONTHLY EXCHANGE QUANTITIES FOR 2024
(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

March 15, 2024

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

Operations

1. Lake Isabella storage is currently 248,651 AF. The Natural flow has averaged 1,000 CFS over the past seven days. Today's Natural flow is 943 CFS and the Regulated outflow is 590 CFS. The District's share of storage is estimated to be 59,000 AF. Daily Kern River entitlement is averaging 50 CFS.
2. The District is diverting 150 CFS of Kern River supplies into the system at the Beardsley Head daily. This flow is fulfilling our Class 1, Class 2 and system loss demands daily.
3. CVC deliveries from Kern Tulare WD into the District ended February 28th totaling 9,008 AF.
4. Friant deliveries at the 8-1 P/S from SWID ended March 11th.
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 3A

KERN RIVER WATERMASTER

achianello@krwatermaster.org

661-549-6313

To: Kern River Interests

March 10, 2024

From: Art Chianello
Kern River Watermaster

RE: Report of Recent Activities

Kern River Basin Runoff - February monthly inflow into Isabella was 51,391 ac-ft which is above the historic average. The table below shows the inflow for each month since the start of the water year.

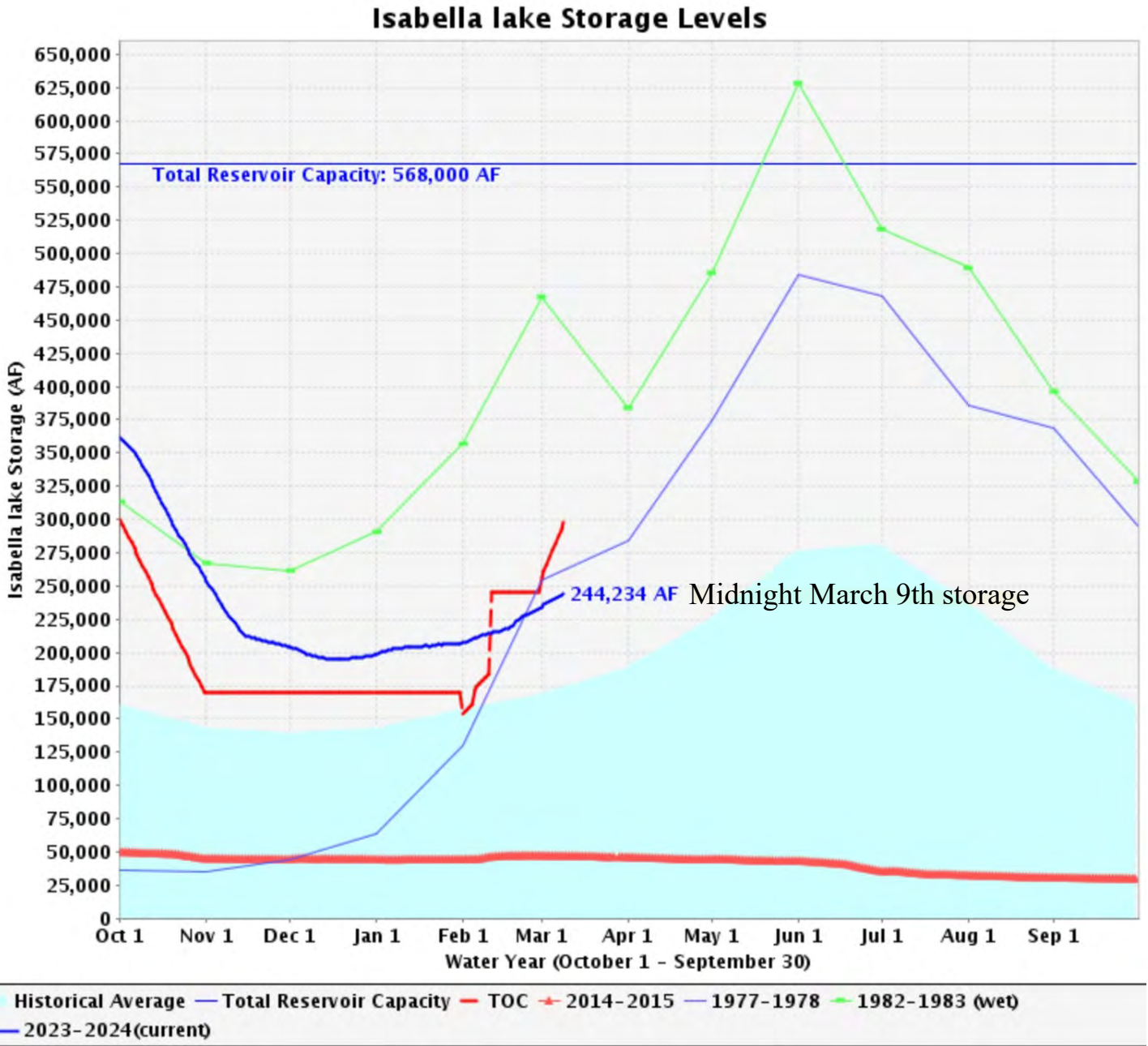
Month	Total Inflow, acre-feet	Historical Inflow, acre-feet
October 2023	37,981	16,500
November 2023	36,058	20,300
December 2023	35,788	28,800
January 2024	33,991	37,600
February 2024	51,391	42,400

Cloud Seeding Activities - Since January 1 to present, the activities of cloud seeding flights and ground generator operations are shown below. There are three manual ground generators in the Kern. They are located at McNalleys north of Kernville, Onyx and Canebrake. Plumes typically rise 1,600 feet to 3,300 feet above the terrain. An activation temperature for silver iodide is 23 F to create new ice crystals.

Jan 3	Seeding Flight 1.6 hrs	
Jan 6	Seeding Flight 1.4 hrs	
Jan 10		Ground Generators 11.0 hrs
Jan 13	Seeding Flight 1.4 hrs	Ground Generators 5.2 hrs
Jan 20	Seeding Flight 1.4 hrs	Ground Generators
Jan 21		Ground Generators 29.2 hrs for both days
Jan 22	Seeding Flight 1.5 hrs	Ground Generators 6.1 hrs
Feb 1	Seeding Flight 2.7 hrs	Ground Generators 33.7 unit-hrs
Feb 4	Seeding Flight 2.1 hrs	
Feb 6		Ground Generators 27.3 unit-hrs
Feb 7	Seeding Flight 2.4 hrs	
Feb 18	Seeding Flight 2.8 hrs	
Feb 20		Ground Generator at McNally's 9 unit-hrs
Mar 2	Seeding Flight 1.3 hrs	Ground Generators 36.5 unit-hrs

Isabella Dam Operations

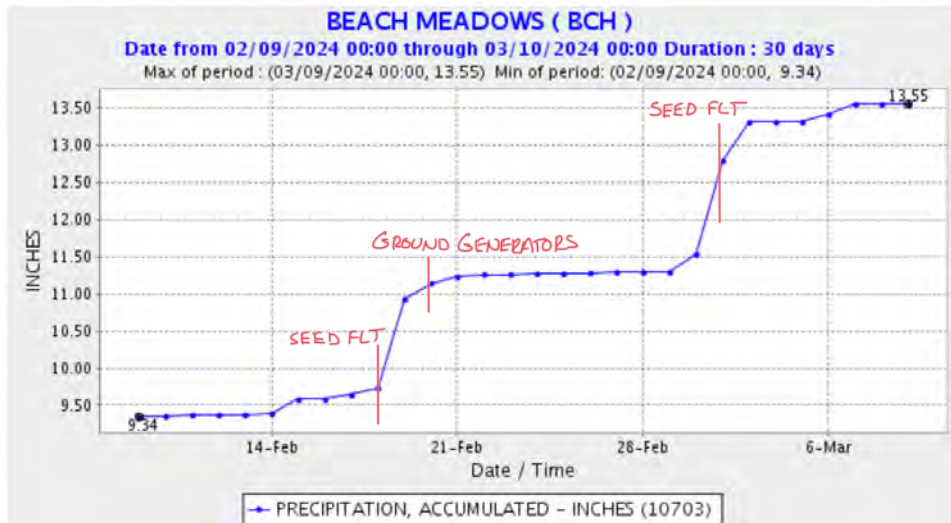
The graph below shows the trend in storage for the water year from October 1 to March 9th. The March 9th daily inflow was 1,030 cfs and the daily outflow was 468 cfs.



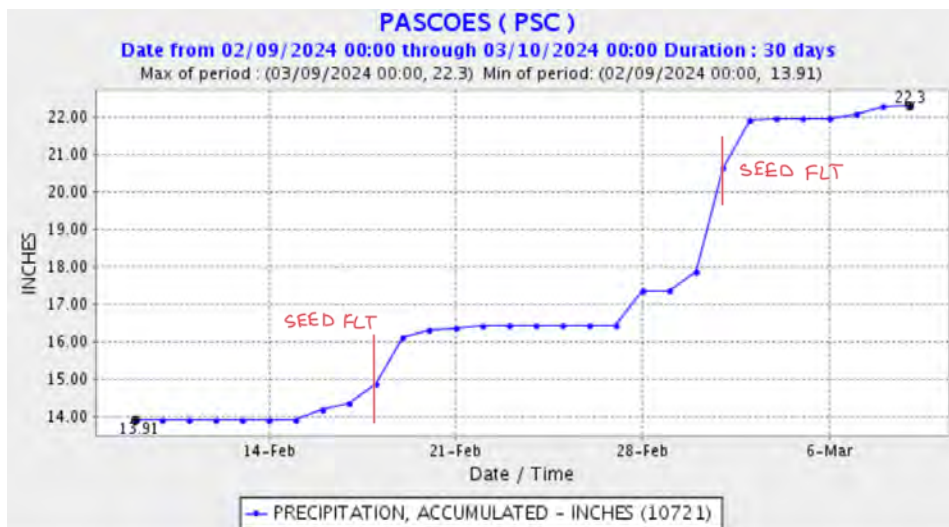
Water Supply Information

Precipitation - Plots of accumulated precipitation from the start of the WY 2024 to March 10th for several representative snow sensors in the Kern River Basin are shown below.

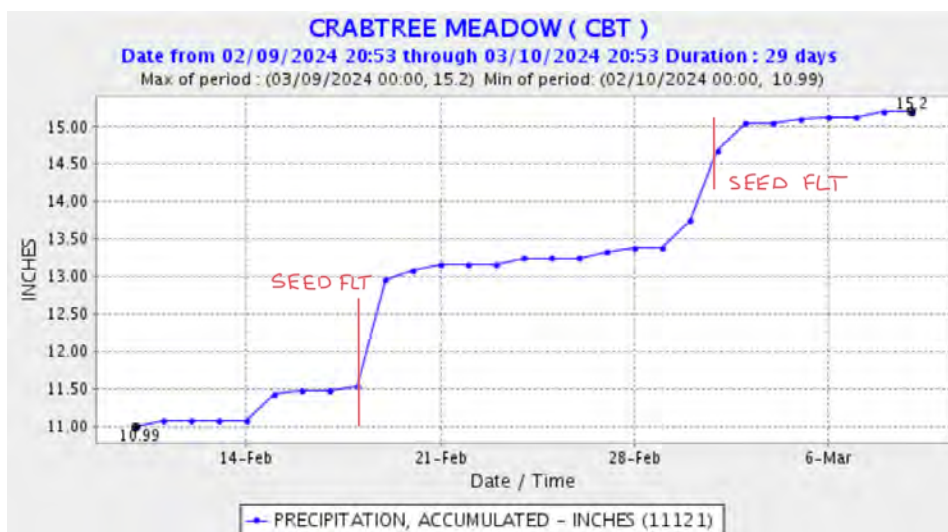
Elevation 7,650 ft. precip to date = 13.55" April 1 ave = 19.9"



Elevation 9,150 ft. precip to date = 22.30" April 1 ave = 29.4"



Elevation 10,700 ft. precip to date = 15.20" April 1 ave = 16.10"



Water Supply Information cont. The results of the March Kern River basin snow course measurements are shown below.

Snow Course Measurements for March 2024

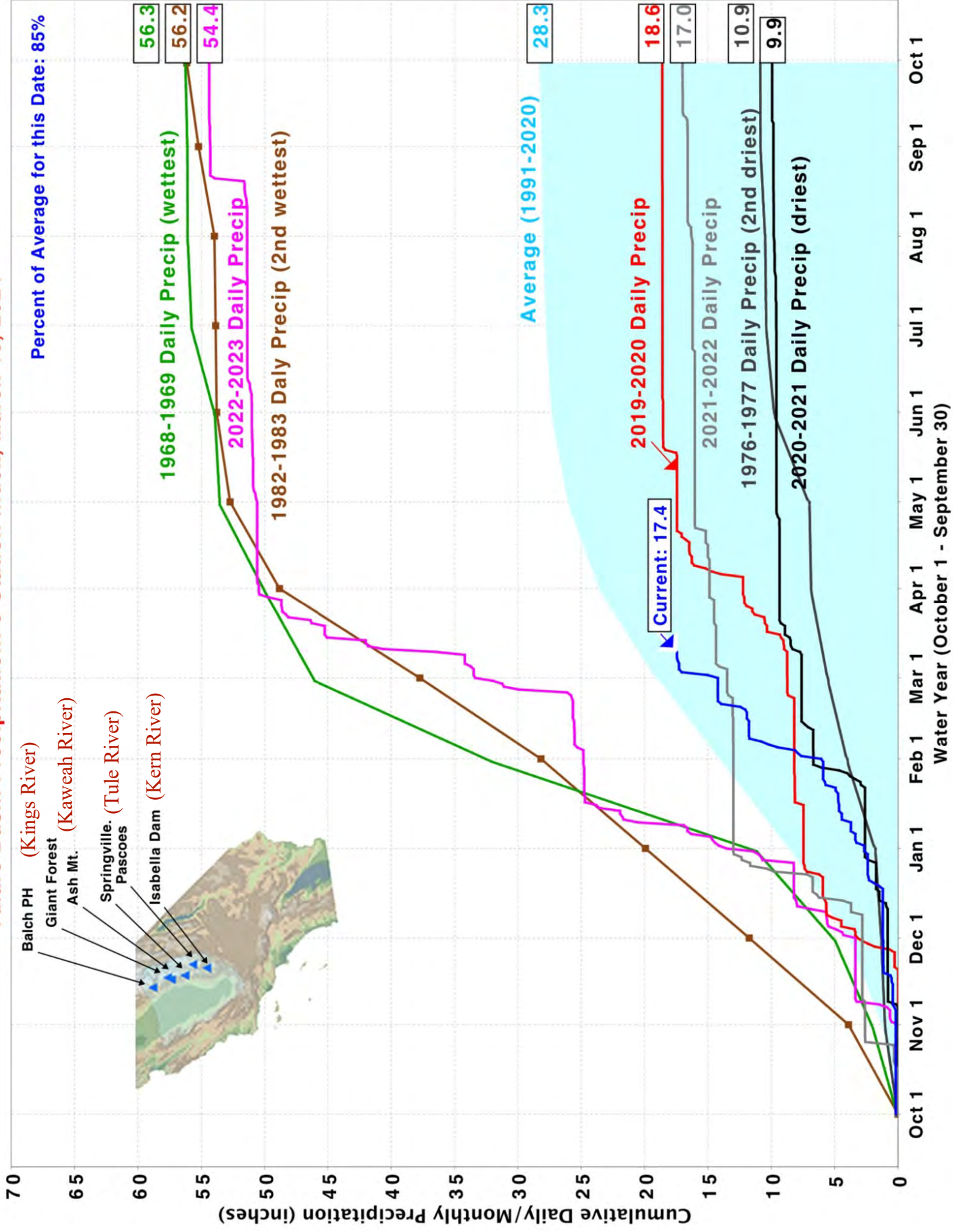
March measurements received as of Wed, March 06, 08:32 AM

Snow depth and water content are in inches. April 1 averages are based on measurements made during years 1991-2020. Courses are grouped by river basins, listed in north-south and high-low elevation order. Contact [Snow Surveys and Water Supply Forecasting Staff](#) for more information.

Num	Name	Elev.	Date	Depth	Points	Water Content	Density	April 1	Average
KERN RIVER									
250	BIGHORN PLATEAU	11,350	26-FEB	44.5	7	13.5	30%	21.8	62%
251	COTTONWOOD PASS	11,050	23-FEB	42.0	10	11.0	26%	14.2	77%
252	SIBERIAN PASS	10,900	24-FEB	44.5	9	13.0	29%	18.5	70%
253	CRABTREE MEADOW	10,700	25-FEB	41.5	10	11.0	27%	18.8	59%
275	SANDY MEADOWS	10,650	26-FEB	38.5	10	10.0	26%	18.2	55%
254	GUYOT FLAT	10,650	25-FEB	42.5	10	13.0	31%	19.9	65%
255	TYNDALL CREEK	10,650	26-FEB	43.0	10	12.5	29%	18.9	66%
257	BIG WHITNEY MEADOW	9,750	24-FEB	43.5	10	12.5	29%	15.9	79%
256	ROCK CREEK	9,600	25-FEB	37.5	10	9.0	24%	17.1	53%
258	ROUND MEADOW	9,000	27-FEB	49.5	10	16.5	33%	23.8	69%
259	RAMSHAW MEADOWS	8,700	03-MAR	50.0	10	12.5	25%	11.2	112%
260	LITTLE WHITNEY MEADOW	8,500	01-MAR	37.0	10	11.5	31%	13.5	85%
264	QUINN RANGER STATION	8,350	24-FEB	53.5	10	16.5	31%	18.4	90%
249	DEAD HORSE MEADOW	7,300	28-FEB	25.0	10	9.5	38%	10.2	93%
Basin Average Pct. of Apr 1: 74%									
March 1: 83%									

March 10th Southern Sierra Nevada Percent of Average for this Date

Tulare Basin Precipitation: 6-Station Index, March 10, 2024



Total Water Year Precipitation

Tulare Basin 6-Station Precipitation (inches)

Water Year 2024

Sunday, March 10, 2024

Month	Average (Inches)	Observed (Inches)	Observed (as Percent of Avg)
October-2023	1.2"	0.2"	16%
November-2023	2.6"	1.0"	38%
December-2023	4.6"	1.5"	32%
January-2024	5.5"	3.3"	60%
February-2024	5.1"	8.3"	162%
March-2024	4.5"	3.2"	71%
April-2024	2.5"		
May-2024	1.3"		
June-2024	0.4"		
July-2024	0.3"		
August-2024	0.1"		
September-2024	0.2"		

Total precipitation since Saturday, March 09, 2024, 0400 PST: 0.0"

Total precipitation for past 7 days, 0400 - 0400 PST: 0.4"

(Monthly totals may not add up to seasonal total because of rounding)

Seasonal Total to Date (Inches)		Seasonal Avg to Date (Inches)		Percent of Seasonal Avg to Date	
17.4"		20.4"		85%	
Water Year Average (Inches)			Percent of an Average Water Year		
29.3"			63%		
Driest Water Years	Precipitation (inches)	Wettest Water Years	Precipitation (inches)		
2021	9.9"	1969	56.3"		
1977	10.9"	1983	56.2"		
1924	11.8"	1998	54.2"		
1959	13.4"	1967	50.1"		
2015	13.6"	1978	49.9"		
2014	14.2"	1938	47.6"		
1961	15.7"	2017	46.8"		

Notes:	Precipitation (inches)	Percent of Average
Last Year Seasonal Total to Date	34.2"	167%
Last Year March-2023 Total	18.5"	411%
Last Year February-2023 Total	7.1"	140%

B-120 WATER SUPPLY FORECAST SUMMARY

UNIMPAIRED FLOW FOR - March 2024

(Provisional data, subject to change)

Report generated: March 08, 2024 11:43

APRIL-JULY FORECAST SUMMARY (IN THOUSANDS OF ACRE-FEET)

HYDROLOGIC REGION WATERSHED	APRIL-JULY FORECAST	PERCENT OF AVERAGE	80% PROBABILITY RANGE	
			90%	10%
NORTH COAST				
Trinity River at Lewiston Lake	710	110	520	1,120
Scott River near Fort Jones	172			
SACRAMENTO RIVER				
Sacramento River above Shasta Lake	290	94		
McCloud River above Shasta Lake	390	101		
Pit River above Shasta Lake	870	88		
Total Inflow to Shasta Lake	1,640	93	1,220	2,660
Sacramento River above Bend Bridge	2,140	86	1,550	3,810
Feather River at Oroville	1,650	96	1,210	3,000
Yuba River near Smartville	980	99	690	1,680
American River below Folsom Lake	1,280	103	920	2,150
SAN JOAQUIN RIVER				
Cosumnes River at Michigan Bar	115	86	60	280
Mokelumne River Inflow to Pardee	500	107	350	770
Stanislaus River below Goodwin Res	700	100	490	1,140
Tuolumne River below La Grange	1,200	98	950	1,860
Merced River below Merced Falls	600	96	470	980
San Joaquin River inflow to Millerton Lk	1,180	96	790	1,780
TULARE LAKE				
Kings River below Pine Flat Res	1,150	96	800	1,720
Kaweah River below Terminus Res	260	94	180	440
Tule River below Lake Success	53	94	26	105
Kern River inflow to Lake Isabella	400	94	300	720

NOTES

- 30 year average are based on years 1991 to 2020.
- Unimpaired runoff represents the natural water production of a river basin, unaltered by upstream diversions, storage, or by export or import of water to or from other watersheds.
- Groundwater changes due to human activity are not considered. Forecasted runoff assumes median conditions subsequent to the date of forecast. Runoff probability ranges are statistically derived from historical data.
- The 80% probability range is comprised of the 90% exceedance level value and the 10% exceedance level value.
- The actual runoff should fall within the stated limits eight times out of ten.
- Forecast point names are based on USGS gage names.

March 10th April - July Runoff Forecast

2024 Seasonal Trend Plot (Year View)

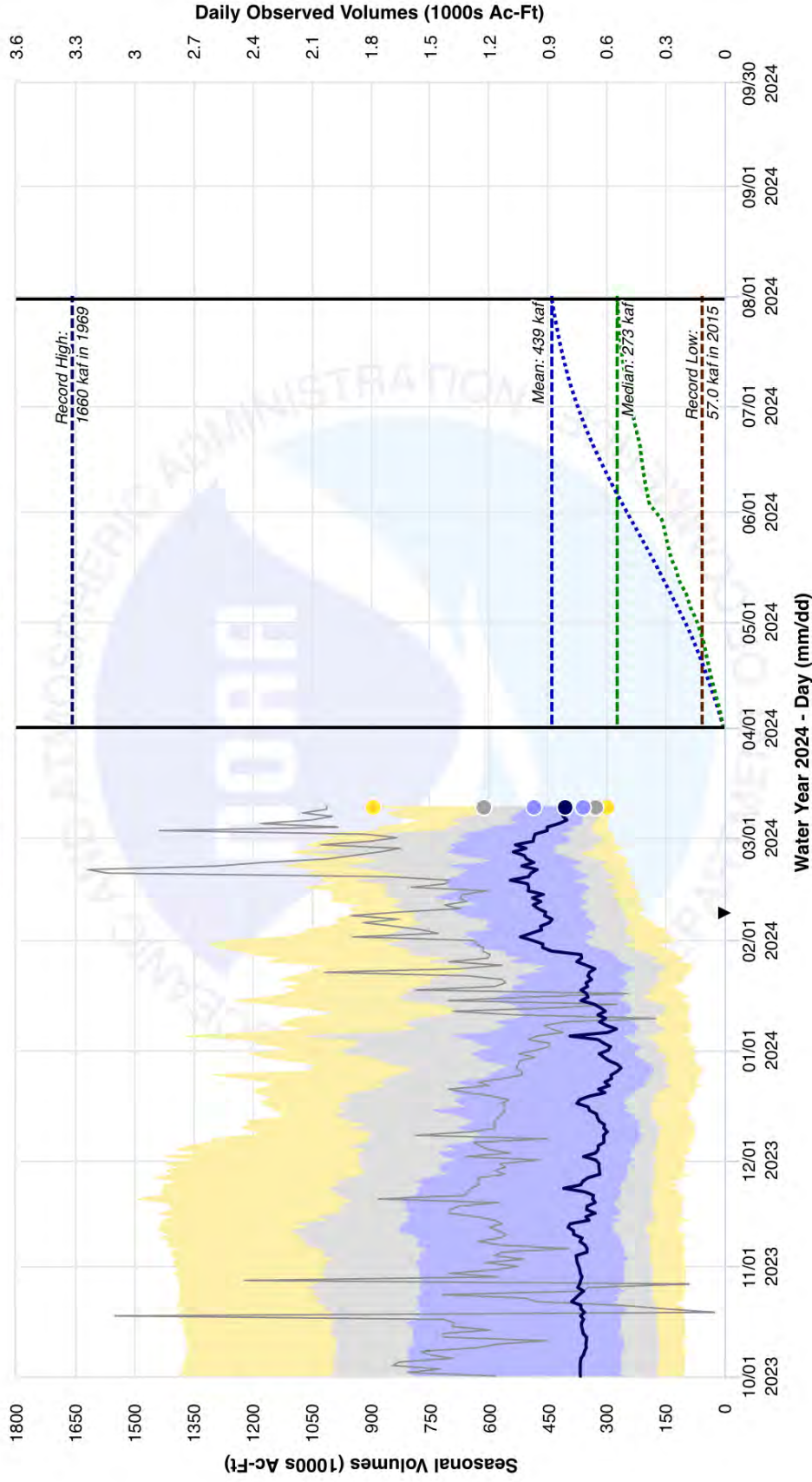
Switch to Seasonal View

Tabular View | Select a Different Water Year: 2024

KERN - ISABELLA DAM, BLO (ISAC1) 03/10/2024

Median Forecast: 405 kaf | 92% of Mean | 148% of Median

Created: 03/10/2024 at 07:55 AM PDT

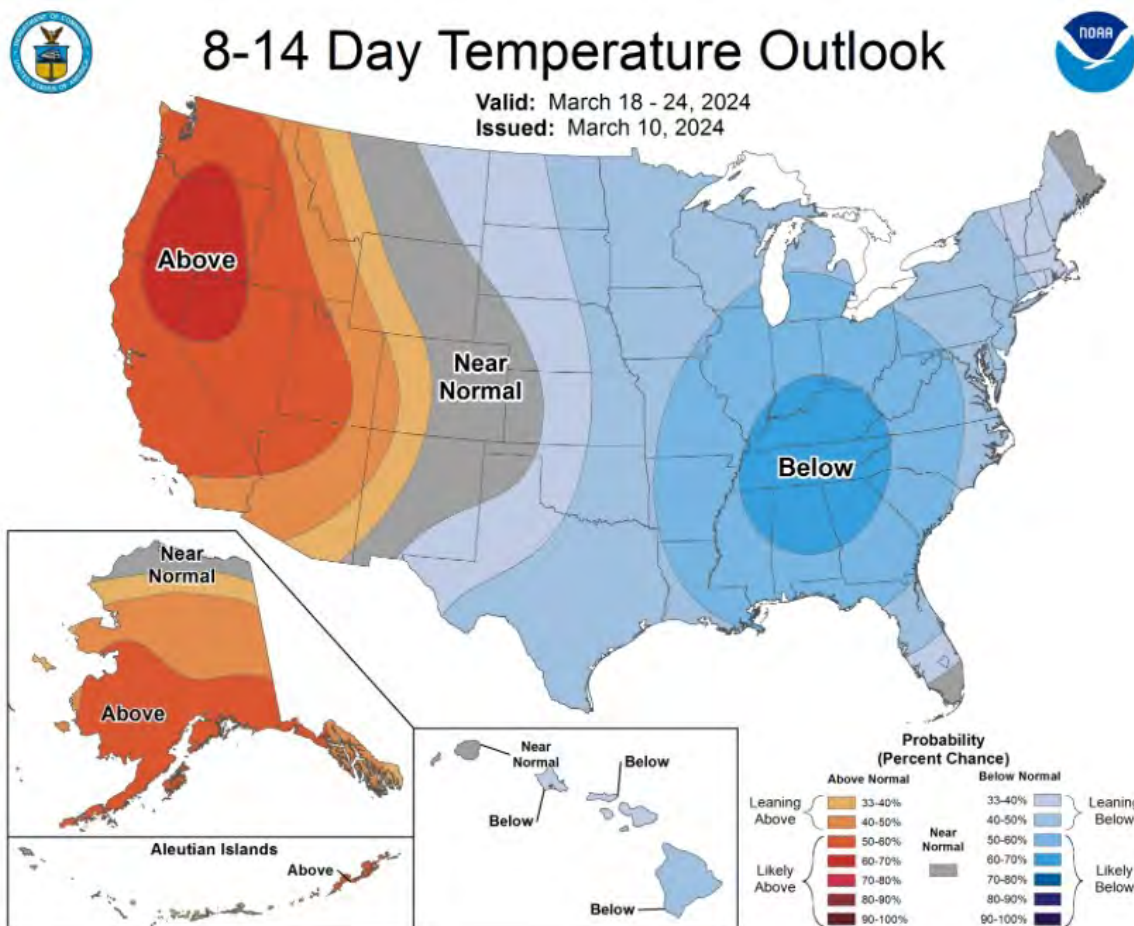
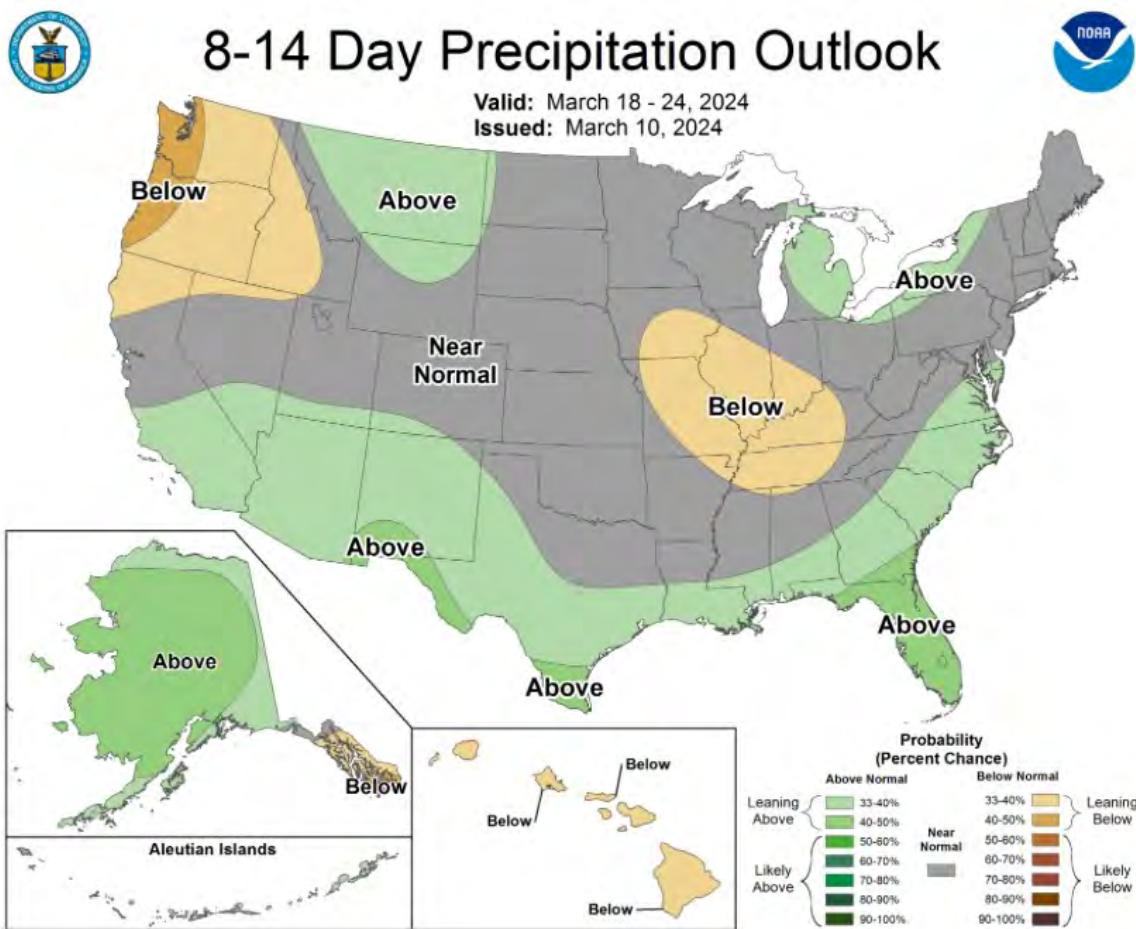


Observed Season to Date Percent of Mean: N/A% (M kaf) Season to Date Mean: kaf
Historical Apr-Jul Vol Max: 1660 kaf in 1969 Historical Apr-Jul Vol Min: 57.0 kaf in 2015
This product only considers meteorological uncertainty and does not account for hydrologic uncertainty.
Means/medians are based on the period of Water Years 1980 through 2022.

Legend entries below can be toggled on/off.

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

8-14 day outlook shows likely above precipitation and likely above temperatures eratures



**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 4

**BEFORE THE BOARD OF DIRECTORS OF
THE NORTH KERN WATER STORAGE DISTRICT
FOR AND ON BEHALF OF THE ROSEDALE RANCH IMPROVEMENT DISTRICT**

IN THE MATTER OF:

RESOLUTION NO. RR24-____

**RESOLUTION OF THE BOARD AUTHORIZING ACTION IN EMINENT DOMAIN TO
ACQUIRE INTERESTS IN REAL PROPERTY
FOR IMPROVEMENT DISTRICT OF A WATER STORAGE DISTRICT PURPOSES**

WHEREAS, the Rosedale Ranch Improvement District of the North Kern Water Storage District ("RRID" or "District") is an improvement district of a California water storage district formed and existing under the California Water Storage District Law, California Water Code § 39000 et seq., and is authorized to, among other things, acquire by condemnation all property it deems necessary for the construction, maintenance, and operation of District works or the carrying out of District projects; and

WHEREAS, the District intends to operate groundwater recharge facilities within the boundaries of RRID for RRID landowners and water users; and

WHEREAS, and the District periodically acquires supplemental surface water supplies for use on lands within the boundaries of RRID for both direct irrigation, and for groundwater replenishment; and

WHEREAS, RRID is in the process of expanding its groundwater recharge capabilities in its ongoing efforts to augment the groundwater basin and improve groundwater conditions for the benefit of its landowners and water users; and

WHEREAS, RRID has determined that it must acquire property for the public purpose of constructing, operating, and maintaining groundwater recharge facilities; and

WHEREAS, the property that is the subject of this resolution is identified as Assessor's Parcel Number 463-030-028 consisting of 79.36, and Assessor's Parcel Number 463-030-029 consisting of 39.91, both in the County of Kern, State of California, totaling 119.27 acres (the "Property"); and

WHEREAS, the acquisition of the Property, and the construction, operation, and maintenance of groundwater recharge facilities upon the Property, are referred to herein as the "Project"; and

WHEREAS, an offer has been made to the owner of the Property, Rosedale Estates, a general partnership (the "Owner"), including the offer required by the Eminent Domain Law (California Code of Civil Procedure § 1230.010 *et seq.*); and

WHEREAS, the public interest and necessity require the acquisition of the Property by the District; and

WHEREAS, the District is authorized under California Water Code §§ 42296, 43500, and 43530, to acquire any property within or outside District boundaries for District purposes by eminent domain; and

WHEREAS, RRID seeks to undertake the Project, including acquisition of the Property, for the public purpose of improving groundwater resources underlying RRID for the benefit of RRID's landowners and water users; and

WHEREAS, the Owner of the Property, Rosedale Estates, was given notice and a reasonable opportunity to be heard as prescribed by California Code of Civil Procedure § 1245.235, and pursuant to said notice the Owner requested to be heard prior to this Board considering whether to adopt this resolution;

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE NORTH KERN WATER STORAGE DISTRICT, FOR AND ON BEHALF OF THE ROSEDALE RANCH IMPROVEMENT DISTRICT, does hereby resolve, declare, and order as follows:

1. The foregoing recitals are true and correct.
2. The acquisition of the Property is for a public use and public purpose authorized by the Water Code of the State of California, including Sections 42296, 43500, and 43530, and Section 43530 of said Water Code specifically authorizes the District to acquire the Property by eminent domain.
3. The Property that the District is by this resolution authorized to acquire for public purposes is more particularly described in the Grant Deed, attached to this resolution as Exhibit "1", and made a part of this resolution by this reference.
4. The public interest and necessity require the proposed Project.
5. The proposed Project is planned or located in a manner that will be most compatible with the greatest public good and the least private injury.
6. The Property described in this resolution, including in Exhibit "1", is necessary for the proposed Project.
7. The District's acquisition of the Property will not unreasonably interfere with or impair the continuance of any public use, as such public use now exists or may reasonably be expected to exist in the future, or any of the property affected hereby which is appropriated to public use and, accordingly, the District is authorized to acquire an interest in such property for such compatible public use as provided in Section 1240.510 of the Code of Civil Procedure of the State of California.

8. As required by Section 7267.2 of the Government Code of the State of California, a written offer of just compensation was made to the fee owner of the real property on which the Property to be acquired is located prior to the adoption of this Resolution of Necessity.

BE IT FURTHER RESOLVED by this Board of Directors that District staff and the Law Offices of Young Wooldridge, LLP, are authorized and directed to acquire by condemnation the Property, and all necessary interests associated therewith, in the name of the District, and to do all things necessary or desirable therefore, including but not limited to the following:

To prepare in the name of the District and proceed in the proper court having jurisdiction thereof such proceedings that are necessary for such acquisition; to make application to said court for an order fixing the amount of security required for issuance of orders permitting the District to take possession prior to judgment; to deposit such security in the amount so fixed in such manner as the court may direct; to enter into stipulations for judgment by and between the District and any and all defendants; and all other matters appearing necessary or desirable for the acquisition of said real property and interests.

All the foregoing being on motion of Director, _____ seconded by Director, _____ and authorized by the following vote, to wit:

AYES:

NOES:

ABSTAIN:

ABSENT:

I HEREBY CERTIFY that the foregoing resolution is the resolution of said District as duly passed and adopted by said Board of Directors on this 19th day of March, 2024.

Witness my hand and seal of said Board of Directors this 19th day of March, 2024.

Secretary of the Board of Directors

Attachments:

Exhibit 1

DRAFT

RECORDING REQUESTED BY:

**ROSEDALE RANCH IMPROVEMENT DISTRICT
OF THE NORTH KERN WATER STORAGE
DISTRICT, AS OFFICIAL BUSINESS**

WHEN RECORDED MAIL TO,
AND MAIL TAX STATEMENTS TO:

**North Kern Water Storage District
P.O. Box 81435
Bakersfield, CA 93380**

Exempt from Recording Fees per Cal. Govt. Code § 6103
Exempt from Documentary Transfer Tax
per R&T Code § 11922

SPACE ABOVE THIS LINE FOR RECORDER'S USE ONLY

This document is exempt from Documentary Transfer Tax

_____, Declarant, of
THE LAW OFFICES OF YOUNG WOOLDRIDGE, LLP,
Attorneys for District

GRANT DEED

ROSEDALE ESTATES, a general partnership (“Grantor”), as the grantor, declares:

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which are hereby acknowledged, Grantor hereby GRANTS to **ROSEDALE RANCH IMPROVEMENT DISTRICT OF THE NORTH KERN WATER STORAGE DISTRICT** all of Grantor’s right, title and interest in and to that certain real property legally described and depicted in Exhibit “A” and Exhibit “B” attached hereto and incorporated herein.

As between the parties, this Grant Deed is effective as of _____, 2023.

Rosedale Estates (“Grantor”)

By: _____

Its: _____

EXHIBIT "A"

The Legal Description of the Property

LEGAL DESCRIPTION

BEING ALL THOSE PORTIONS OF THE NORTHEAST QUARTER OF SECTION 7, AND THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 8, OF TOWNSHIP 29 SOUTH, RANGE 26 EAST, M.D.M., IN THE COUNTY OF KERN, STATE OF CALIFORNIA, ACCORDING TO THE OFFICIAL PLATE THEREOF, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL 1:

PARCEL 1 OF PARCEL MAP WAIVER NO. 7-91 PER CERTIFICATE OF COMPLIANCE IN BOOK 6672, PAGE 1571, OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

THE WEST HALF OF THE NORTHWEST QUARTER OF SAID SECTION 8

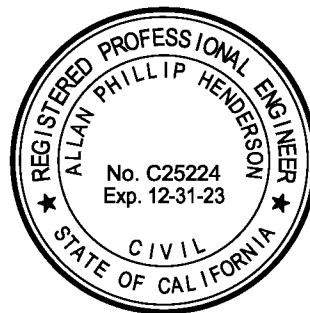
CONTAINING 80.27 ACERS
(APN: 463-030-28)

PARCEL 2:

PARCEL 2 OF PARCEL MAP WAIVER NO. 7-91 PER CERTIFICATE OF COMPLIANCE IN BOOK 6672, PAGE 1571, OFFICIAL RECORDS, DESCRIBED AS FOLLOWS:

THE EAST HALF OF THE EAST HALF OF THE NORTHEAST QUARTER OF SAID SECTION 7

CONTAINING 40.37 ACERS
(APN: 463-030-29)



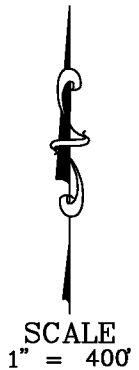
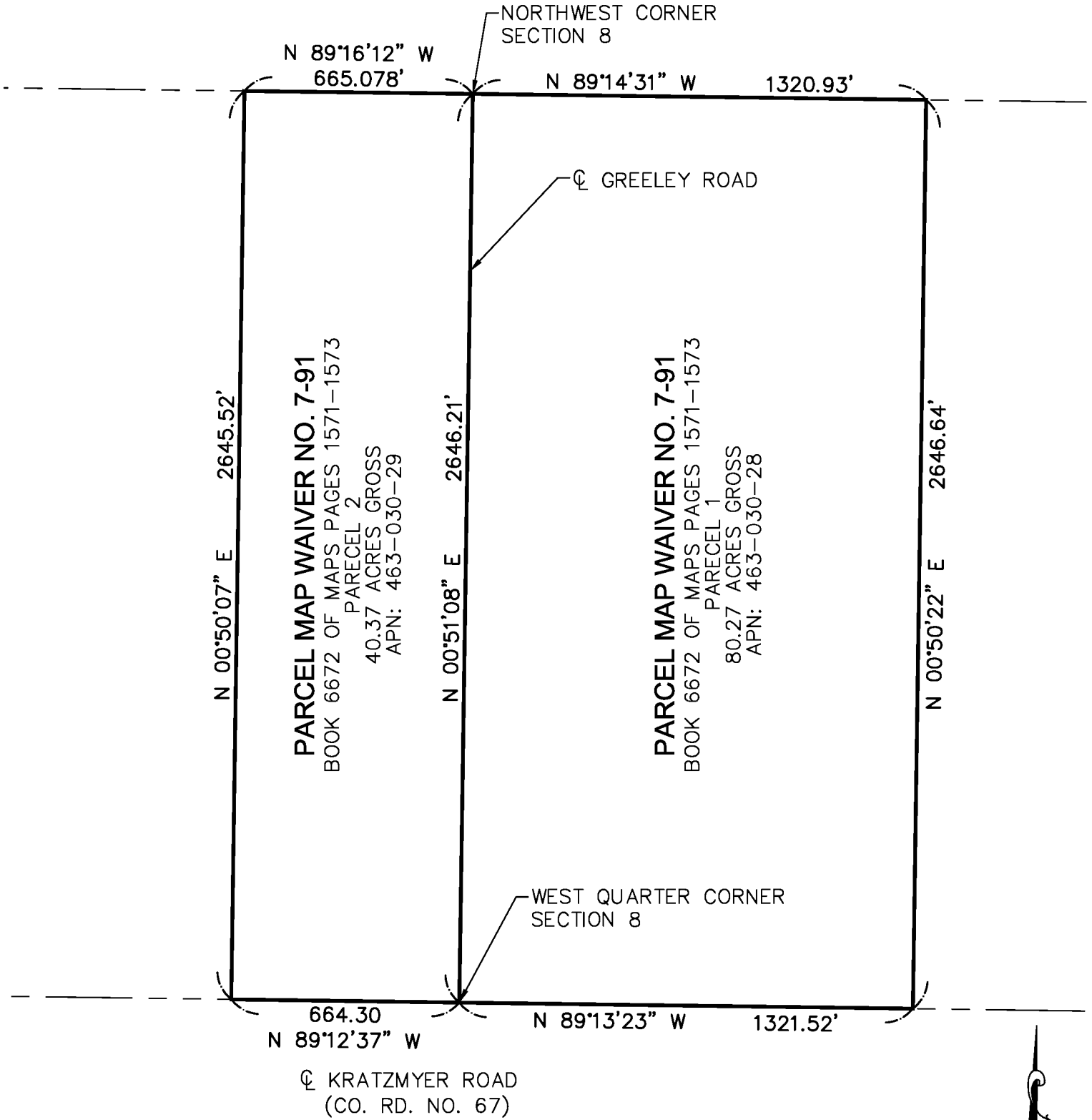
Allan P Henderson 11/16/23

EXHIBIT "B"

Map

EXHIBIT 'B'

PARCELS 1 AND 2 OF PARCEL MAP WAIVER NO. 7-91
(APN: 463-030-28 AND APN: 463-030-29)



CERTIFICATE OF ACCEPTANCE, GOVERNMENT CODE, SECTION 27281:

THIS IS TO CERTIFY that the ROSEDALE RANCH IMPROVEMENT DISTRICT OF THE NORTH KERN WATER STORAGE DISTRICT hereby accepts for public purposes the interest in real property conveyed by the Grant Deed hereinabove and consents to the recordation thereof.

IN WITNESS WHEREOF, I have hereunto set my hand this ____ day of _____, 2023.

ROSEDALE RANCH IMPROVEMENT
DISTRICT OF THE NORTH KERN WATER
STORAGE DISTRICT

By: _____

Its: _____

NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 6A

Monthly Consulting Engineers' Report for
North Kern Water Storage District



Summary of Project Activity in February 2024

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 February 2024
North Kern Water Storage District

1. Budgets

Project	Project #	Incurred as of 3/1/24	Budget	Percent Utilized	Budget Projection
General Services 2024	2400796	\$2,530	\$50,000	5%	100%
Legal Counsel Support	1611225	\$93,431	\$125,000	75%	100%
SGMA Implementation Support 2024	2400793	\$0	\$10,000	0%	100%
High Speed Rail	1605740	\$283,582	\$299,324	95%	100%
Well Siting for Groundwater Banking	2200344	\$190,059	\$278,400	68%	90%
FY 2022 FEMA BRIC Application	2204082	\$69,021	\$85,000	81%	100%
WDI Phase 3 and Canal Lining	2004274	\$190,206	\$223,500	85%	100%
Environmental for Calloway Canal 7 th Standard to 8-1	2103692	\$33,752	\$36,412	93%	100%
CM and Well Improvements for Long Term TCP	2104244	\$642,750	\$764,740	84%	100%
Calloway Canal Lining 7 th Standard – 8-1 Backup Weir	2301760	\$1,653	\$25,000	7%	100%
Calloway Canal Lining CVC Intertie to Fruitvale Avenue	2301776	\$1,295	\$25,000	5%	100%
Landowner Groundwater Banking Program	2300158	\$13,758	\$56,050	25%	100% ON HOLD
CEQA/NEPA 2022 Reclamation Grant	2301216	\$78,171	\$89,000	88%	100%
2018 Return Capacity Improvements	1804180	\$59,315	\$70,000	85%	100%
Design for 2018 DRP Return Capacity	2202819	\$231,032	\$243,308	95%	100%
2020 Return Capacity Improvements	2101445	\$10,628	\$38,500	28%	100%
2022 Return Capacity Improvements	2301770	\$2,422	\$25,000	10%	100%
Permanent Discharge Structures for NK619 Pipeline	2201324	\$89,737	\$145,010	62%	100%
Calloway Canal Lining – CVC to KR CEQA/NEPA	2302099	\$6,228	\$101,500	6%	100%
North Kern Grant Applications	2303704	\$38,710	\$50,000	77%	100%
RRID Grant Applications	2303705	\$23,308	\$30,000	78%	100%
CEQA for RRID Rosedale Recharge Facility	2305132	\$53,765	\$61,500	87%	100%

2. Active Projects

General Services 2024 (GEI Project No. 2400796)

Activity in February was mostly routine tasks, with some additional effort supporting the district with evaluating response to an oil spill near the Beardsley Canal.

Upcoming Deliverables: none.

Active Task Order No.: 24-01

Budget Status: \$2,530 expended of \$50,000 budget (5%)

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

Legal Counsel Support (GEI Project No. 1611225)

There was no activity during the month of February.

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 2024 (GEI Project No. 2400793)

There was no activity during the month of February.

Upcoming Deliverables: Quarterly progress report and minor assistance with data entry.

Active Task Order No.: 24-02

Budget Status: \$0 expended of \$10,000 budget (0%)

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

High Speed Rail (GEI Project No. 1605740)

Invoice package 68 was prepared.

Upcoming Deliverables: Prepare invoice package #69.

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

Budget Status: \$283,582 expended of \$390,000 budget (95%)

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)

There was no activity during the month of February.

Upcoming Deliverables: Final Well Siting Study.

Active Task Order No: 22-03

Budget Status: \$190,059 expended of \$278,400 budget (68%)

Budget Forecast: 90%

FEMA BRIC Grant Applications (GEI Project No. 2204082)

There was no activity in February.

Upcoming Deliverables: Respond to inquiries from FEMA as needed and prepare scope modification request.

Active Task Order No: 22-12

Budget Status: \$69,020 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:

- Preparation of DWR quarterly grant report.
- Correspondence with Reclamation regarding reporting forms.

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; semi-annual grant report due in April.

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

Budget Status: \$190,206 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 February included responding to comments and edits on the Cultural Resources Inventory and Evaluation Report and coordinating with the U.S. Bureau of Reclamation.

Upcoming Deliverables: None

Active Task Order No.: 21-10

Budget Status: \$33,752 expended of \$36,412 budget (93%)

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 activity in February. Substantial completion was granted in October. Remaining work on this project is installing the switchgear, which was received in January 2024. Contractors are expected to complete the work in Spring 2024.

Upcoming Deliverables:

Active Task Order No.: 21-11

Budget Status: \$642,749 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 February include participation in CEQA and NEPA meetings and grant eligible cost administration.

Upcoming Deliverables: Semi-annual grant report due in April.

Active Task Order No.: 23-06

Budget Status: \$1,653 expended of \$25,000 budget (7%)

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)

No activity in February.

Upcoming Deliverables: Semi-annual grant report due in April.

Active Task Order No.: 23-08

Budget Status: \$1,295 expended of \$25,000 budget (5%)

Landowner Groundwater Banking Project (GEI Project No. 2300158)

No activities were conducted in February 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 February included responding to comments and edits on the Cultural Resources Inventory and Evaluation Report and coordinating with the U.S. Bureau of Reclamation.

Upcoming Deliverables: None

Active Task Order No.: 23-04

Budget Status: \$78,171 expended of \$89,000 budget (88%)

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

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

Activity in February included preparation of specifications for the pipeline component of the 2018 and 2020 Return Capacity Improvement projects; coordination with planrooms and bidders; conducting the pre-bid conference; and preparing addenda. Additionally, the approved scope modification and time extension for the grant agreement were received.

Upcoming Deliverables: Conduct bid opening, analyze bids, prepare construction contract award recommendation; semi-annual grant report due in April.

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

Budget Status 1804180: \$59,945 expended of \$70,000 budget (86%)

Budget Status 2202819: \$243,649 expended of \$243,308 budget (100%)

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

2020 Return Capacity Improvements (GEI Project No. 2101445)

The pipeline component of the project was advertised for bids with the 2018 Return Capacity Improvements project above.

Upcoming Deliverables: Semi-annual grant report due in April.

Active Task Order No.: 21-06

Budget Status: \$10,771 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)

Activity in February included preparation of responses to Reclamation's cultural resources questions.

Upcoming Deliverables: Semi-annual grant report due in April.

Active Task Order No.: 23-07

Budget Status: \$2,422 expended of \$25,000 budget (10%)

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 February.

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 February included coordinating with the engineer and District related to the design for various segments from the Cross Valley Canal to Kern River.

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

Active Task Order No.: 23-05

Budget Status: \$6,228 expended of \$101,500 budget (6%)

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

North Kern Grant Applications (GEI Project No. 2303704)

On February 22, an application for \$4.8 million of grant funding for approximately 1.4 miles of concrete lining of the Calloway Canal from Fruitvale Avenue to Case Street was submitted to Reclamation's Water and Energy Efficiency Grants program.

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

Active Task Order No.: 23-10

Budget Status: \$38,710 expended of \$50,000 budget (77%)

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

RRID Grant Applications (GEI Project No. 2303705)

No activity in February.

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 (78%)

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 February included obtaining a check for the CEQA filing fee (\$2,966.75) which is also included on this invoice.

Upcoming Deliverables: Final Initial Study/Mitigated Negative Declaration and State Clearinghouse forms.

Active Task Order No.: 23-12

Budget Status: \$53,765 expended of \$61,500 budget (87%)

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.

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).
WEEG	Calloway Canal Lining: Fruitvale Avenue to Case Street	Concrete lining approximately 1.4 miles of canal	\$4,886,505	Application submitted February 2024. Announcements expected in summer/fall 2024.

Summary of Project Activity in February 2024
 North Kern Water Storage District

Pending Agreements					
Program	Project	Scope	Awarded Funding	Estimated District Cost	Comments

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

Summary of Project Activity in February 2024
 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	December 2024
	R20AP00064	3,841 LF Calloway Canal lining, WDI 7 wells	\$1,477,500	*Assuming \$800/LF and non-construction costs equal 15% of total	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.	June 2025
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 2024

Summary of Project Activity in February 2024
 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
Board Meeting

Agenda Item 7A

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
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NORTH KERN WATER STORAGE DISTRICT

March 14, 2024

TO: BUDGET AND PERSONNEL COMMITTEE
Directors Fornoff and Glende, Alternate Ackerknecht

FROM: David Hampton, Ram Venkatesan, Marinelle Duarosan

RE: Approve Amendment to 2024 Budget

RECOMMENDED MOTION:

“Authorize staff to amend the 2024 Budget.”

DISCUSSION:

At the December 19, 2023 Board meeting the Board approved the Budget for 2024 based on Kern River April-July runoff of 40% of average (and corresponding required District groundwater pumping). The Department of Water Resources (“DWR”) March 1 forecast for Kern River April through July runoff is 94% of average. Wet winter conditions and anticipated increase in the District’s Kern River Entitlement provide surface water supply for the District that it could meet all projected landowner demands with the Kern River supplies, produced water, and carryover storage from Lake Isabella.

At the February 20, 2024 Board meeting, the Board authorized staff to set water tolls effective March 1, 2024, to \$100/AF. Staff worked on revising the budget to reflect the updated hydrologic conditions (using the 94% Kern River A-J), to fund the District’s water costs, and the Rate Stabilization Reserve, and implement grant projects. Exhibit “A” is the updated budget for the authorized water toll of \$100 per acre-foot that results in a projected increase to the Rate Stabilization Reserve balance of about \$ 7 million if the Board elected to fully apply all excess funds to this reserve. The Rate Stabilization Reserve balance at the end of 2024 is expected to be around \$18.5 million (including the current balance). It is important to note that for every \$10 of increase or decrease in water toll the Rate Stabilization Reserve fund will increase or decrease by \$1.4 million.

Staff recommends that the Board approve the amended 2024 Budget.

Budget and Personnel Committee
Approve Amendment to 2024 Budget
March 14, 2024
Page 2 of 2

Attachments:

Exhibit "A": Amended 2024 Budget

EXHIBIT “A”

2024 Amended Budget



**NORTH KERN WATER
STORAGE DISTRICT**

March 14, 2024

Exhibit 1 2024 Routing - #03-14-2024 - 94% - Kern River Runoff

Water Sales and Operations Estimate

Class 1 Demands				Class 2 Demands			
Month	Estimated AcFt	Estimated \$/AcFt	Estimated Revenue	Estimated AcFt	Cl2 % of Cl1	Estimated \$/AcFt	Estimated Revenue
JAN	50	\$50.00	\$2,500	50	100%	\$50.00	\$2,500
FEB	520	\$50.00	\$26,000	300	60%	\$50.00	\$15,000
MARCH	5,000	\$100.00	\$500,000	3,000	60%	\$100.00	\$300,000
APRIL	7,000	\$100.00	\$700,000	4,200	60%	\$100.00	\$420,000
MAY	9,000	\$100.00	\$900,000	5,400	60%	\$100.00	\$540,000
JUNE	13,000	\$100.00	\$1,300,000	7,800	60%	\$100.00	\$780,000
JULY	13,500	\$100.00	\$1,350,000	8,100	60%	\$100.00	\$810,000
AUG	9,000	\$100.00	\$900,000	5,400	60%	\$100.00	\$540,000
SEPT	8,500	\$100.00	\$850,000	5,100	60%	\$100.00	\$510,000
OCT	6,000	\$100.00	\$600,000	3,600	60%	\$100.00	\$360,000
NOV	1,500	\$100.00	\$150,000	900	60%	\$100.00	\$90,000
DEC	500	\$100.00	\$50,000	300	60%	\$100.00	\$30,000
Sum	73,570		\$7,328,500	44,150			\$4,397,500

Class 2 May-Oct = 35,400 acft

Operations - Estimate		
+ Isabella Storage 3/1		57,678 AcFt
+ NKWSD Irrigable Entitlement after 3/1 thru 10/31		87,704 AcFt
+ NKWSD Extension Contract after 3/1 thru 10/31		20,000 AcFt
+ Produced Water after 3/1 thru 10/31		6,400 AcFt
+ KD Settlement Water after 3/1 thru 10/31		5,000 AcFt
+ NKWSD Borrow-Payback after 3/1 thru 10/31		0 AcFt
+ NKWSD COB Misc after 3/1 thru 10/31		0 AcFt
+ NKWSD KRIC after 3/1 thru 10/31		0 AcFt
+ Exchangors after 3/1 thru 10/31		0 AcFt
+ District Well Water or Other after 3/1 thru 10/31		3,823 AcFt
- Reservoir Losses 3/1 thru 12/31		9,428 AcFt
- Class 1 Demand 3/1 thru 10/31		71,000 AcFt
- Class 2 Demand 3/1 thru 10/31		42,600 AcFt
- Exchangors after 3/1		0 AcFt
- misc		0 AcFt
- Canal Losses 3/1 thru 10/31		31,600 AcFt
- Spreading 3/1 thru 10/31		0 AcFt
= Isabella Storage 12/31		32,588 AcFt
Carryover Storage Goal		33,600 AcFt
% of Goal		97%

- Assumptions:**
1. 40%Yr April-July Kern River runoff
 2. 40% Yr Class 1 demand
 3. Class 2 as shown
 4. Bond and grant projects in budget.
 5. Basic contract water Included

Exchangors	Total	
	Amount	Amount after 3/1
SWID	0	0
KTRG	5,000	0
RootCreek	0	0
SSJMUD	5,000	0
MVLLC	0	0
CWD	0	0
DEID	5,804	0
ID#4	0	0
Total	15,804	0

Exhibit 2 - Energy Cost Estimates

2022 Routing - #03-09-22 - 40% - Kern River Runoff

Assumptions

Overall Efficiency = 60.00%

month	use factor	available			avoid peak	avoid partial	AcFt	Pumping Depth - Ft				Monthly Energy Cost	Expected PGE Cost Increase (21%)	Estimated Solar Costs	Est Net PGE costs (solar)
		CFS	wells	wells used				400	425	450	475				
January															
February	80%	300	100	1		0%	143	\$144.84	\$153.87	\$162.90	\$171.94	\$65,000.00	\$78,650.00		\$78,650.00
March	80%	300	100	1		0%	143	\$144.87	\$153.90	\$162.93	\$171.97	\$24,515.99	\$29,659.14		\$29,659.14
April	95%	285	100	1		0%	161	\$141.66	\$150.50	\$159.34	\$168.18	\$27,046.94	\$32,726.79	\$109,333.00	(\$76,606.21)
May	95%	279	100	5	0%	0%	788	\$141.68	\$150.52	\$159.35	\$168.19	\$132,541.45	\$160,375.15	\$126,106.00	\$34,269.15
June	95%	274	100	5	0%	0%	772	\$179.60	\$190.83	\$202.05	\$213.28	\$164,710.57	\$199,299.79	\$132,311.00	\$66,988.79
July	95%	268	100	5	0%	0%	782	\$178.18	\$189.32	\$200.45	\$211.59	\$165,477.28	\$200,227.51	\$129,190.00	\$71,037.51
Aug	95%	263	100	6	0%	0%	920	\$178.18	\$189.32	\$200.45	\$211.59	\$194,601.28	\$235,467.55	\$121,932.00	\$113,535.55
Sept	90%	258	100	1	0%	0%	138	\$182.05	\$193.43	\$204.81	\$216.18	\$29,773.24	\$36,025.62	\$108,191.00	(\$72,165.38)
Oct	80%	252	100	1	0%	0%	120	\$144.92	\$153.96	\$162.99	\$172.03	\$20,638.48	\$24,972.56	\$182,503.00	(\$157,530.44)
Nov	70%	247	100	1		0%	125	\$147.77	\$156.98	\$166.19	\$175.41	\$21,880.22	\$26,475.07	\$125,400.00	(\$98,924.93)
Dec												\$65,000.00	\$78,650.00	\$97,885.00	(\$19,235.00)
							4,090					\$935,697.13	\$1,132,193.53	\$1,132,851.00	(\$657.47)

Average cost for season = \$228.75 /AcFt
\$276.79 /AcFt

Exhibit 3 - Estimated Budget and Cash Flow
2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

	PROJECTED (\$1,000'S)	JAN (\$1,000'S)	FEB (\$1,000'S)	MARCH (\$1,000'S)	APRIL (\$1,000'S)	MAY (\$1,000'S)	JUNE (\$1,000'S)	JULY (\$1,000'S)	AUGUST (\$1,000'S)	SEPT (\$1,000'S)	OCT (\$1,000'S)	NOV (\$1,000'S)	DEC (\$1,000'S)
NKWS D SUMMARY													
WATER SALES	\$11,727	\$6	\$41	\$800	\$1,120	\$1,440	\$2,080	\$2,160	\$1,440	\$1,360	\$960	\$240	\$80
TRANSPORTATION	\$70	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
BASE SERVICE CHARGES	\$9,153	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,153
OTHER REVENUE	\$17,723	\$971	\$334	\$333	\$567	\$333	\$11,759	\$433	\$333	\$333	\$333	\$1,659	\$333
TOTAL REVENUE	\$38,673	\$983	\$380	\$1,139	\$1,693	\$1,779	\$13,845	\$2,599	\$1,779	\$1,699	\$1,299	\$1,905	\$9,573
SOURCE OF SUPPLY	\$441	\$177	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WATER SUPPLY	\$4,344	\$285	\$44	\$44	\$285	\$68	\$1,468	\$1,685	\$44	\$44	\$287	\$44	\$44
GROUNDWATER REPLENISHMENT	\$175	\$10	\$64	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
DISTRICT PUMPS & WELLS	\$2,054	\$250	\$201	\$201	\$95	\$205	\$238	\$242	\$285	\$99	\$14	\$72	\$152
SYSTEM OPERATIONS	\$1,386	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116
SYSTEM MAINTENANCE	\$1,142	\$101	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95
SYSTEM WEED CONTROL	\$881	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73
8-1 PUMPSTATION	\$448	\$2	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41
ADMINISTRATION	\$1,512	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126
FINANCING EXPENSES	\$2,700	\$23	\$652	\$506	\$23	\$23	\$23	\$23	\$209	\$1,147	\$23	\$23	\$23
CAPITAL & WORK ORDERS	\$13,370	\$1,399	\$761	\$761	\$761	\$761	\$761	\$1,361	\$1,361	\$1,361	\$1,361	\$1,361	\$1,361
WATER PLANNING	\$278	\$22	\$37	\$22	\$22	\$22	\$23	\$22	\$22	\$22	\$22	\$22	\$22
ALLOCATED FIELD OFFICE	\$2,403	\$189	\$159	\$368	\$158	\$266	\$165	\$158	\$174	\$167	\$168	\$216	\$214
ALLOCATED LIGHT VEHICLES	\$324	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27
ALLOCATED HEAVY EQUIPMENT	\$125	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
ALLOCATED SYSTEM OPERATIONS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED SYSTEM MAINTENANCE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED ADMINISTRATION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED CAPITAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COSTS	\$31,581	\$2,810	\$2,406	\$2,399	\$1,841	\$1,843	\$3,176	\$3,989	\$2,592	\$3,338	\$2,373	\$2,236	\$2,314
INCREASE (DECREASE) IN FUNDS ***	\$7,092	(\$1,827)	(\$2,026)	(\$1,260)	(\$148)	(\$64)	\$10,668	(\$1,390)	(\$813)	(\$1,639)	(\$1,074)	(\$331)	\$7,259

Cash Balance*	\$6,500	\$4,673	\$2,647	\$1,387	\$1,239	\$1,174	\$11,843	\$10,453	\$9,640	\$8,001	\$6,928	\$6,597	\$13,856
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* Cash Balance = prior month reserve + revenue from prior month - expenses from current month
 ** note end of month bills paid at board meeting of following month

Non-Cash Item: Depreciation Expense	\$2,154	\$178	\$178	\$178	\$179	\$179	\$179	\$180	\$180	\$180	\$181	\$181	\$181
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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
 (Excluding TCP costs)

	PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWS D SUMMARY													
OPERATING STATEMENT													
ROSEDALE RANCH IMPROVEMENT DISTRICT													
RRID SUMMARY													
WATER SALES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
BASE SERVICE CHARGES	\$1,329	\$0	\$0	\$671	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$658	\$0
OTHER REVENUE	\$11	\$1	\$0	\$2	\$1	\$1	\$1	\$2	\$0	\$1	\$1	\$1	\$1
TOTAL REVENUE	\$1,340	\$1	\$0	\$672	\$1	\$1	\$1	\$2	\$0	\$1	\$1	\$659	\$1
COSTS													
WATER SUPPLY	\$620	\$0	\$41	\$0	\$0	\$0	\$125	\$147	\$0	\$0	\$307	\$0	\$0
SYSTEM OPERATIONS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SYSTEM MAINTENANCE	\$78	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
SYSTEM WEED CONTROL	\$24	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
ADMINISTRATION	\$164	\$23	\$15	\$15	\$15	\$15	\$11	\$11	\$11	\$11	\$11	\$15	\$11
CAPITAL	\$1,440	\$0	\$0	\$0	\$0	\$1,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED FIELD OFFICE	\$163	\$13	\$11	\$25	\$11	\$18	\$11	\$11	\$12	\$11	\$11	\$15	\$15
ALLOCATED LIGHT VEHICLES	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALLOCATED HEAVY EQUIPMENT	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL COSTS	\$2,493	\$45	\$76	\$49	\$35	\$1,442	\$156	\$177	\$32	\$31	\$338	\$38	\$34
INCREASE (DECREASE) IN FUNDS	(\$1,153)	(\$44)	(\$76)	\$623	(\$33)	(\$1,441)	(\$155)	(\$176)	(\$32)	(\$30)	(\$337)	\$621	(\$33)

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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWSD SUMMARY														
OPERATING STATEMENT														
NORTH KERN WATER STORAGE DISTRICT														
NKWSD REVENUE		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
WATER SALES														
24141-	CLASS I	\$7,329	\$3	\$26	\$500	\$700	\$900	\$1,300	\$1,350	\$900	\$850	\$600	\$150	\$50 From Ops
24142-	CLASS II	\$4,398	\$3	\$15	\$300	\$420	\$540	\$780	\$810	\$540	\$510	\$360	\$90	\$30 From Ops
24143-	SPECIAL CLASS 2 STANDBY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	INPUT LANDOWNER FACILITY CREDITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24161-	MISCELLANEOUS SALES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$11,727	\$6	\$41	\$800	\$1,120	\$1,440	\$2,080	\$2,160	\$1,440	\$1,360	\$960	\$240	\$80
TRANSPORTATION REVENUE														
24171-	CWD/BEARDSLEY	\$70	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
24172-	CWD/LERDO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24173-	RRID	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24174-	OTHER	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24175-	CALLOWAY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24180-	OTHER WHEELING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$70	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
BASE SERVICE CHARGES														
24832-	\$173/ac CLASS I BSC	\$4,910	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,910
24833-	\$157/ac CLASS II BSC	\$4,243	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,243
	Subtotal	\$9,153	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,153
OTHER REVENUE														
24851-	LOWER RIVER ISABELLA STORAGE RENTAL	\$1	\$0	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0
	CALIFIA DISCHARGE FEES *	\$420	\$35	\$35	\$35	\$35	\$35	\$35	\$35	\$35	\$35	\$35	\$35	\$35
24856-	EXCHANGE FEES (offset PG&E costs)	\$2,650	\$0	\$0	\$0	\$0	\$0	\$1,325	\$0	\$0	\$0	\$0	\$1,325	\$0
24857-	KERN TULARE WD FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24858-	ROOT CREEK WD FEES *	\$234	\$0	\$0	\$0	\$234	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24859-	DELANO EARLIMART ID FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24859-	NEW DEBT PROCEEDS - 2024 DRP/CALLY LINING	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
	2018 WELL REPLACEMENT - UNSPENT from BSC funds	\$638	\$638	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
24921-	INTEREST EARNED ON DEPOSITS	\$450	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38
24922-	HISTR CF PENALTIES & INTEREST	\$2	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1	\$0
24952-	HISTR CF MISC. NON-WATER SALES REVENUE	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	New Dozer CAPITAL PURCH-GENL RESERVE FUND WITHDRAWAL*	\$200	\$0	\$0	\$0	\$0	\$0	\$100	\$100	\$0	\$0	\$0	\$0	\$0
	2023 WELL REPLACEMENT COSTS - UNSPENT	\$3,075	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256
	Unspent funds PROF. ENG. - GW BANKING & STATE BRD EIR	\$53	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
24961-	HISTR CF SALE OF ASSETS, proceeds from sale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$17,723	\$971	\$334	\$333	\$567	\$333	\$11,759	\$433	\$333	\$333	\$333	\$1,659	\$333
TOTAL NKWSD REVENUE		\$38,673	\$983	\$380	\$1,139	\$1,693	\$1,779	\$13,845	\$2,599	\$1,779	\$1,699	\$1,299	\$1,905	\$9,573
::														

Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWS D SUMMARY														
OPERATING STATEMENT														
NORTH KERN WATER STORAGE DISTRICT														
NKWS DIRECT EXPENSES		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
			3	4	5	6	7	8	9	10	11	12	13	14
SOURCE OF SUPPLY														
25111-	ISABELLA STORAGE O&M	\$144	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$144
25114-	WATERMASTER SPECIAL (Isabella protect)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25115-	FORECASTS (snow survey)	\$32	\$0	\$0	\$8	\$0	\$0	\$8	\$0	\$0	\$8	\$0	\$0	\$8
25116-	MILLER-HAGGIN JOINT (records)	\$9	\$2	\$0	\$0	\$2	\$0	\$0	\$2	\$0	\$0	\$2	\$0	\$0
25117-	WATERMASTER	\$9	\$3	\$3	(\$4)	\$4	\$3	(\$4)	\$3	\$4	(\$4)	\$3	\$3	(\$4)
25117-500	WATERMASTER-COB	\$22	\$0	\$5	\$0	\$0	\$5	\$0	\$0	\$5	\$0	\$0	\$5	\$0
25118-	CENTRAL/NORTH KERN JT (Calloway)	\$26	\$0	\$0	\$0	\$0	\$0	\$18	\$0	\$0	\$0	\$0	\$0	\$8
25118-240	CENTRAL/NK JOINT - MAINT./REPAIR	\$13	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25119-	CALLOWAY RIVER WEIR	\$11	\$0	\$0	\$3	\$0	\$0	\$3	\$0	\$0	\$3	\$0	\$0	\$3
25120-	KERN RIVER/NORTH KERN JT. (Beardsley)	\$134	\$6	\$6	\$6	\$6	\$6	\$28	\$28	\$28	\$6	\$6	\$6	\$6
25121-	WEATHER MODIFICATION	\$71	\$10	\$10	\$10	\$10	\$10	\$0	\$0	\$0	\$0	\$0	\$10	\$10
25122-	CVC O&M	\$620	\$155	\$0	\$0	\$155	\$0	\$0	\$155	\$0	\$0	\$155	\$0	\$0
	CVC O&M - RRID REIMBURSEMENT	(\$650)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$650)
	Subtotal	\$441	\$177	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WATER SUPPLY														
25124-	EXT. CONTRACT, CITY (20,000 AF)	\$2,800	\$0	\$0	\$0	\$0	\$0	\$1,400	\$1,400	\$0	\$0	\$0	\$0	\$0
25125-	BORROW-PAYBACK, CITY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25126-	MISC. WATER, CITY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25130-	KRC&I CO.	\$48	\$0	\$0	\$0	\$0	\$24	\$24	\$0	\$0	\$0	\$0	\$0	\$0
25131-	PRODUCED WATER COSTS -PR	\$10	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25132-	PRODUCED WATER COSTS	\$456	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38	\$38
25133-	CVC & PS*A* FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25134-	MISC WATER PURCHASES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25136-	MISC EXCHANGE FEES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25138-	PERMIT FEE POSO	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2	\$0	\$0
25139-	LEGAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	KERN DELTA SETTLEMENT	\$964	\$241	\$0	\$0	\$241	\$0	\$0	\$241	\$0	\$0	\$241	\$0	\$0
	PRODUCED WATER TECH SUPPPORT	\$10	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	PRODUCED WATER MOU	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PRODUCED WATER QUALITY TESTING	\$54	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
25140-	SO.CAL EDISON PROGRAM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$4,344	\$285	\$44	\$44	\$285	\$68	\$1,468	\$1,685	\$44	\$44	\$287	\$44	\$44
GROUNDWATER REPLENISHMENT														
25310-211	SALARIES	\$42	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
25310-215	PR TAX	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25310-216	PR INS	\$9	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25310-217	PR PERS	\$7	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25310-219	MISC BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25310-220	SUPPLIES	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25310-240	MAINT. COSTS	\$26	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
25310-245	RENT	\$22	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
	UNIFORMS	\$9	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25310-270	WATER RECHARGE ANNUAL FEE - SVF	\$54	\$0	\$54	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$175	\$10	\$64	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10

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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWS D SUMMARY														
OPERATING STATEMENT														
NORTH KERN WATER STORAGE DISTRICT														
		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWS DIRECT EXPENSES - CONTINUED														
DISTRICT PUMPS & WELLS														
25320-211	SALARIES	\$47	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
25320-215	PR TAXES	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25320-216	PR INS.	\$10	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25320-217	PR PERS	\$8	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25320-219	MISC BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25320-240	MAINT/REPAIR	\$1,692	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141	\$141
25320-241	WELL SERVICE (Oil and PVC Pipe)	\$230	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19	\$19
25320-250	DISTRICT WELLS - UTILITIES (excl Exchg Ptr reimb)	(\$1)	\$79	\$30	\$30	(\$77)	\$34	\$67	\$71	\$114	(\$72)	(\$158)	(\$99)	(\$19)
25320-223	INSURANCE	\$35	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
	SCALE INHIBITOR	\$20	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
	OUTSIDE SERVICES (Water Samples/SGMA)	\$8	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	Subtotal	\$2,054	\$250	\$201	\$201	\$95	\$205	\$238	\$242	\$285	\$99	\$14	\$72	\$152
SYSTEM OPERATIONS														
25330-211	SALARIES	\$678	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56	\$56
25330-215	PR TAXES	\$54	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
25330-216	PR INS	\$145	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12
25330-217	PR PERS	\$120	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
25330-219	MISC BENEFITS	\$11	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25330-220	SUPPLIES	\$36	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
25330-240	MAINT/REPAIRS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25330-250	UTILITIES	\$272	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23
	CONTINUING EDUCATION	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	WASTE MANAGEMENT	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	UNIFORMS	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25330-260	OUTSIDE SERVICES	\$66	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
	Subtotal	\$1,386	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116	\$116
SYSTEM MAINTENANCE														
25340-211	SALARIES	\$409	\$40	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34
25340-215	PR TAXES	\$33	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
25340-216	PR INS.	\$102	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8
25340-217	PR PERS	\$84	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7
25340-219	MISC BENEFITS	\$8	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25340-220	SUPPLIES	\$42	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
25340-240	MAINT/REPAIRS	\$432	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36
	UNIFORMS	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	EQUIP RENT	\$31	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
	OUTSIDE SERVICES	\$10	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	Subtotal	\$1,142	\$101	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95	\$95

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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

	PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)

NKWS D SUMMARY

OPERATING STATEMENT

NORTH KERN WATER STORAGE DISTRICT

PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)

NKWS D DIRECT EXPENSES - CONTINUED

SYSTEM WEED CONTROL

25360-211	SALARIES	\$149	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12	\$12
25360-215	PR TAXES	\$12	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25360-216	PR INS.	\$32	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
25360-217	PR PERS	\$26	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
25360-219	MISC BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25360-220	SUPPLIES	\$30	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
25360-221	CONTRACT LABOR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25360-223	AGRI CHEMICALS AQUATIC	\$432	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36	\$36
25360-224	AGRI CHEMICALS OTHER	\$182	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15
25360-240	MAINT/REPAIRS	\$8	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	UNIFORMS	\$9	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25360-245	EQUIP RENTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$881	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73	\$73

8-1 PUMPSTATION

25380-	8-1 PUMPSTATION OM&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-211	8-1 PUMPSTATION OM&R-SALARIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-215	8-1 PUMPSTATION OM&R-PR TAXES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-216	8-1 PUMPSTATION OM&R-PR INS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-217	8-1 PUMPSTATION OM&R-PERS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-219	8-1 PUMPSTATION OM&R-MISC BENE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-240	8-1 OM&R-OUTSIDE MAINT/REPAIRS	\$24	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
25380-245	8-1 OM&R-CWD MAINT/REPAIRS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25380-250	8-1 OM&R-UTILITIES	\$424	\$0	\$39	\$39	\$39	\$39	\$39	\$39	\$39	\$39	\$39	\$39
25380-500	8-1 OM&R- CWD REIMBURSE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$448	\$2	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41	\$41

OPERATING STATEMENT

NORTH KERN WATER STORAGE DISTRICT

PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)

ADMINISTRATION - DIRECT

25601-	MISC DIRECT EXPENSE (ie: Travel Exp)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25617-	BASIC CONTRACT LITIGATION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25610-	WATER USE PROTECT - ENGINEERING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25611-	PAYROLL TAX	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25615-	LEGAL COUNSEL	\$720	\$60	\$60	\$60	\$60	\$60	\$60	\$60	\$60	\$60	\$60	\$60
25616-	LEGAL COUNSEL CONFIDENTIAL	\$408	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34	\$34
25620-	PROF. ENGINEERING DIRECT	\$120	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
25621-	PROF. ENG. - GW BANKING	\$204	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17
25621-01	PROF. ENG. - STATE BRD EIR	\$60	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
25625-	ACCOUNTING SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$1,512	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126	\$126

Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
 (Excluding TCP costs)

	PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWSD SUMMARY													
FINANCING EXPENSES													
	VRB/TCB 2010 BONDS REFI+WELL CONSTR-Principal	\$425	\$0	\$0	\$213	\$0	\$0	\$0	\$0	\$213	\$0	\$0	\$0
	VRB/TCB 2010 BONDS REFI+WELL CONSTR-Interest	\$244	\$0	\$0	\$124	\$0	\$0	\$0	\$0	\$120	\$0	\$0	\$0
	PG&E LOAN REPAYMENTS - (PRINCIPAL)	\$279	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23	\$23
	2015 WATER BONDS-Principal	\$440	\$0	\$440	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2015 WATER BONDS-Interest	\$369	\$0	\$189	\$0	\$0	\$0	\$0	\$180	\$0	\$0	\$0	\$0
	2015 BOND FEE	\$6	\$0	\$0	\$0	\$0	\$0	\$0	\$6	\$0	\$0	\$0	\$0
25711-	2024 WELLS / CALLY LINING (Interest)	\$645	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$645	\$0	\$0	\$0
25712-	2022 TCP FINANCING WITH TCB-Interest	\$292	\$0	\$0	\$146	\$0	\$0	\$0	\$0	\$146	\$0	\$0	\$0
	Subtotal	\$2,700	\$23	\$652	\$506	\$23	\$23	\$23	\$23	\$209	\$1,147	\$23	\$23
TOTAL DIRECT EXPENSES													
		\$14,634	\$1,162	\$1,371	\$1,170	\$823	\$717	\$2,149	\$2,370	\$957	\$1,710	\$744	\$559
										\$64			
										\$120			
CAPITAL													
25801-	METERS, GATES & TURNOUTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25802-	WEIRS & STRUCTURES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25915-*	CRC PIPELINE COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	18 & '20 WELL REPLACEMENT COSTS (DRP), net grant	\$5,820	\$485	\$485	\$485	\$485	\$485	\$485	\$485	\$485	\$485	\$485	\$485
25810-	2024 CANAL LINING PROJECT, net of grant	\$3,600	\$0	\$0	\$0	\$0	\$0	\$600	\$600	\$600	\$600	\$600	\$600
25810-100	2018 WELL REPLACEMT - UNSPENT from BSC funds	\$638	\$638	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25810-200	REPLACEMENT WELLS (Wells 7-10) - 2022	\$3,075	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256	\$256
	Subtotal	\$13,133	\$1,379	\$741	\$741	\$741	\$741	\$741	\$1,341	\$1,341	\$1,341	\$1,341	\$1,341
WORK ORDERS													
25833-	GRANT APPLICATIONS	\$72	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
25835-	GROUNDWATER ASSISTANCE PROGRAM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25826-	8-17 CALLOWAY CROSSING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25904-297	SURFACE RECHARGE SITES	\$150	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13	\$13
25839-	CALLOWAY BENTONITE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25841-	WATER SUPPLY PROGRAM - SVF (10 yr term)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25847-	CT-1 LINING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25898-	FRIANT TURNOUT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25870-	SWID NORTH INTERCONNECTION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25856-	SWID NORTH PUMP STATION (BILLING)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25920-	SWID - North Mods	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	CALLOWAY LINING AND WELL TELEMETRY, net grant	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	POSO CREEK IRWMP	\$15	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25849-	SCADA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$237	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20	\$20
CAPITAL & WORK ORDERS													
		\$13,370	\$1,399	\$761	\$761	\$761	\$761	\$761	\$1,361	\$1,361	\$1,361	\$1,361	\$1,361
WATER PLANNING													
	KERN FAN MONITORING	\$1	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$0
	NCK GSA	\$250	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21	\$21
	MILLER HAGGIN GW GRP - BVWSD	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	GSP / GSP ANNUAL REPORT	\$15	\$0	\$15	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	LAND IQ E.T. PROGRAM	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	SGMA MONITORING AND REPORTING	\$12	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	Subtotal	\$278	\$22	\$37	\$22	\$22	\$22	\$23	\$22	\$22	\$22	\$22	\$22

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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
 (Excluding TCP costs)

			PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
			(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWS D SUMMARY															
OPERATING STATEMENT															
ROSEDALE RANCH IMPROVEMENT DISTRICT															
			PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
			(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
WATER SALES															
34141-	HISTR CF	WATER SALES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
BASE SERVICE CHARGES															
34832-	HISTR CF	ADM/PROJECT BSC	\$1,329	\$0	\$0	\$671	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$658	\$0
34832-01		PROP 218 - 2020 UNSPENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
OTHER REVENUE															
34921-	HISTR CF	INTEREST EARNED	\$10	\$1	\$0	\$1	\$1	\$1	\$1	\$2	\$0	\$1	\$1	\$1	\$1
34922-	HISTR CF	PENALTIES & INTEREST	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$11	\$1	\$0	\$2	\$1	\$1	\$1	\$2	\$0	\$1	\$1	\$1	\$1
TOTAL RRID REVENUE			\$1,340	\$1	\$0	\$672	\$1	\$1	\$1	\$2	\$0	\$1	\$1	\$659	\$1
RRID DIRECT EXPENSES															
WATER SUPPLY															
35126-	HISTR CF	MISC. CONTRACT, CITY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35134-	HISTR CF	MISC. WATER, PURCHASES	\$620	\$0	\$41	\$0	\$0	\$0	\$125	\$147	\$0	\$0	\$307	\$0	\$0
		Subtotal	\$620	\$0	\$41	\$0	\$0	\$0	\$125	\$147	\$0	\$0	\$307	\$0	\$0
SYSTEM OPERATION															
35330-211		SALARIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35330-215		PR TAXES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35330-216		PR INS.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35330-217		PR PERS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35330-219		MISC BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35330-220	HISTR CF	UTILITIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35330-240	HISTR CF	MAINT/REPAIRS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWSD SUMMARY														
OPERATING STATEMENT														
ROSEDALE RANCH IMPROVEMENT DISTRICT														
EXPENSES CONTINUED														
SYSTEM MAINTENANCE														
35340-211		SALARIES	\$53	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
35340-215		PR TAXES	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35340-216		PR INS.	\$11	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
35340-217		PR PERS	\$9	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
35340-219		MISC BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35340-220		SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35340-240		MAINT/REPAIRS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35340-245		EQUIP RENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$78	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
SYSTEM WEED CONTROL														
35360-211		SALARIES	\$17	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
35360-215		PR TAXES	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-216		PR INS.	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-217		PR PERS	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-219		MISC BENEFITS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-220		SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-221		CONTRACT LABOR	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-223	HISTR CF	AGRI CHEMICALS AQUATIC	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-224	HISTR CF	AGRI CHEMICALS OTHER	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-240		MAINT/REPAIRS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35360-220		SUPPLIES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$24	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
ADMINISTRATION - DIRECT														
35600-230	HISTR CF	ADM - OFFICE EXPENCE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35615-000		LEGAL COUNSEL CONFIDENTIAL	\$20	\$4	\$4	\$4	\$4	\$4	\$0	\$0	\$0	\$0	\$0	\$0
35615-	HISTR CF	LEGAL COUNSEL	\$12	\$8	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4	\$0
6210		PROF. ENGINEERING	\$132	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11
35625-	HISTR CF	ACCOUNTING SERVICES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$164	\$23	\$15	\$15	\$15	\$15	\$11	\$11	\$11	\$11	\$15	\$11
TOTAL DIRECT EXPENSES			\$266	\$32	\$24	\$24	\$24	\$24	\$20	\$20	\$20	\$20	\$23	\$20
DIRECT CAPITAL														
35801-	HISTR CF	METERS, GATES & TURNOUTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
35802-	HISTR CF	WEIRS & STRUCTURES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		LAND ACQUISITION	\$1,440	\$0	\$0	\$0	\$0	\$1,400	\$0	\$0	\$0	\$0	\$0	\$0
		Subtotal	\$1,440	\$0	\$0	\$0	\$0	\$1,400	\$0	\$0	\$0	\$0	\$0	\$0
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Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWSD SUMMARY														
OPERATING STATEMENT														
NORTH KERN WATER STORAGE DISTRICT														
		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
ALLOCATED EXPENSES														
FIELD OFFICE														
		\$131												
25400-211	SALARIES	\$1,016	\$85	\$85	\$85	\$85	\$85	\$85	\$85	\$85	\$85	\$85	\$85	\$85
25400-215	PR TAXES	\$81	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7
25400-216	PR INS	\$217	\$18	\$18	\$18	\$18	\$18	\$18	\$18	\$18	\$18	\$18	\$18	\$18
25400-217	PR PERS	\$180	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15	\$15
25400-218	WORKER'S COMP	\$78	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7	\$7
25400-219	MISC BENEFITS (HSA/FSA)	\$6	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25400-200	EMPLOYEE SAFETY BOOTS	\$3	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	PROFESSIONAL SERVICES- FINC AUDIT	\$35	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16	\$10	\$9	\$0	\$0
	COMPUTER LICENSE (STORM / GIS)	\$16	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	COMPUTER SERVICES (ABM / ACCTG SOFTWARE)	\$120	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
	UTILITIES POWER	\$25	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
	UTILITIES GAS	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	BANK CHARGES	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	DIRECTORS	\$7	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	MEMBERSHIPS DUES (ACWA)	\$27	\$27	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	EMPLOYEE BENEFITS	\$6	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	FIRST AID	\$1	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	LICENSES (KC & LAFCO)	\$8	\$0	\$0	\$0	\$0	\$0	\$8	\$0	\$0	\$0	\$0	\$0	\$0
	RENT EXPENSE (TOWER LEASE)	\$4	\$0	\$0	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	MEALS	\$11	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	VEHICLE PURCHASES, gross amount	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25400-270	CAPITAL PURCHASES	\$440	\$0	\$0	\$220	\$0	\$100	\$0	\$0	\$0	\$0	\$0	\$60	\$60
	Not In Use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Not In Use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Not In Use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25400-222	SMALL TOOLS	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25400-223	INSURANCE	\$66	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
25400-230	OFFICE SUPPLIES	\$29	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
25400-231	COMPUTER SUPPLIES / MAINT	\$12	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25110-	EDUCATION / SEMINARS (Incl Notary)	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25400-243	OUTSIDE SERVICES (Incl COB Hydrographics)	\$42	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
25400-250	UTILITIES OTHER (ALARM & WATER)	\$8	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25400-251	PHONES, INTERNET, SCADA	\$28	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$3	\$2	\$2
25400-260	OTHER OUTSIDE SERVICES	\$26	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
25400-261	TRAVEL EXPENSE	\$2	\$0	\$0	\$0	\$0	\$1	\$0	\$0	\$0	\$0	\$0	\$2	\$0
25400-224	MEDICAL / OCCUPATIONAL TESTING	\$6	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	Not In Use	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25123-	PROPERTY TAXES, BEARDSLEY + WELL SITES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25400-295	SAFETY PROGRAM	\$27	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2	\$2
25400-290	MEMBERSHIPS / ASSOCIATIONS	\$25	\$6	\$2	\$1	\$0	\$15	\$0	\$0	\$1	\$0	\$1	\$0	\$0
	Subtotal	\$2,567	\$202	\$170	\$393	\$169	\$284	\$177	\$169	\$186	\$179	\$180	\$230	\$229
93.63% 2022 Rate	Allocated to NKWSD	\$2,403	\$189	\$159	\$368	\$158	\$266	\$165	\$158	\$174	\$167	\$168	\$216	\$214
6.4%	Allocated to RRID	\$163	\$13	\$11	\$25	\$11	\$18	\$11	\$11	\$12	\$11	\$11	\$15	\$15

Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
NKWSD SUMMARY														
LIGHT VEHICLES														
25401-223	LT. VEH - INSURANCE	\$48	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
25401-225	EQUIP COSTS	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25401-242	FUEL/OIL	\$187	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16
25401-243	OUTSIDE REPAIRS	\$76	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
25401-244	SUPPLIES	\$10	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	GPS	\$5	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
25401-245	LT. VEH - EQUIP RENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$325	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27
	99.52% 2022 Rate	\$324	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27	\$27
	0.5%	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

::														
OPERATING STATEMENT														
NORTH KERN WATER STORAGE DISTRICT														
		PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
		(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
ALLOCATED EXPENSES - CONTINUED														
HEAVY EQUIPMENT														
25402-242	FUEL/OIL	\$66	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6	\$6
25402-243	OUTSIDE REPAIRS	\$40	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3	\$3
25402-244	SUPPLIES	\$10	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
	NEW EQUIPMENT PURCHASE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	INSURANCE	\$8	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1	\$1
25402-245	RENTAL COSTS	\$4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Subtotal	\$127	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11
	98.16% 2022 Rate	\$125	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
	1.8%	\$2	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Exhibit 3 - Estimated Budget and Cash Flow

2024 Routing - #03-14-2024 - 94% - Kern River Runoff
(Excluding TCP costs)

NKWSD SUMMARY	PROJECTED	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC
	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)	(\$1,000'S)
TOTAL ALLOCATED EXPENSES	\$3,019	\$239	\$208	\$430	\$207	\$322	\$214	\$206	\$223	\$217	\$217	\$268	\$266
Allocated to NKWSD	\$2,852	\$226	\$197	\$405	\$195	\$304	\$203	\$195	\$211	\$205	\$206	\$253	\$252
Allocated to RRID	\$167	\$13	\$11	\$25	\$11	\$18	\$12	\$11	\$12	\$12	\$12	\$15	\$15

::

NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 7B

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

March 14, 2024

TO: BUDGET AND PERSONNEL COMMITTEE
Directors Ackerknecht and Glende, Alternate Holtermann

FROM: Management Staff

RE: Calloway Canal Lining and Well Replacement Financing Scenarios

RECOMMENDED MOTION:

Approve the attached Resolution to direct General Manager to take appropriate action to secure private placement financing related to the 2024 Calloway Canal Lining and Well Replacement capital improvements and Approve the Agreement for Bond Counsel Services to engage Kutak Rock LLP in connection with said financing.

DISCUSSION:

As part of the Prop 218 Election process and included in the 2024 Budget, the District planned for additional Calloway Canal Lining from Snow Road to 7th Standard Road and construction of 4 new wells plus well connections to the Friant-Kern Canal and to the new pipeline system. Staff obtained two quotes for potential \$10M financing to cover the costs (net of grant funding) from Tri-Counties Bank (TCB) and Wells Fargo Bank (see attached Exhibit B and Exhibit C). Please note that as approved under the Prop 218 process, a total of \$20M was authorized for the remaining Calloway Canal Lining project and Well Replacement Program or approximately \$20/ac.

On March 5th, Staff met with the Budget and Personnel Committee to discuss both financing alternatives relative to pricing, effect on future Base Service Charges, and the cash flow impact. Below is a summary of the financing terms and the attached Exhibit A reflects a summary of the financial and cash flow analysis.

The Committee and Staff also considered the two financing approaches: a) private placement through TCB and b) public bond offering through Wells Fargo. In both scenarios, a debt service reserve is required under the parity obligation provision, which is estimated to be about \$1M for the term of the loan.

Financier	Amount	Rate	Term / Fee	Security
Tri-Counties Bank (TCB) *	\$10M	4.40% (floor) - 4.60% All-in Rate (based on 10yr T-bond)	20 Yrs with 1 yr drawdown / \$70K incl Legal	Unsecured; prepay available after 5 th year or sooner*
Wells Fargo ^	\$10M	4.15% - 4.40% All in Rate	30 Yrs / \$202K incl Bond Counsel	Water revenue; prepay available after 10 th year

* TCB: Rate shown is based on “Bank Qualified” loan status in which borrowings cannot exceed \$10M per calendar year.
 Loan prepayment is available after 5th year based on a fee schedule unless source of funds is from the TCP settlement
 ^ Wells Fargo: Bond offering issuance through revenue bonds under the North Kern/Cawelo Financing Authority

Attachments:

- Exhibit A - Summary of Financial Analysis
- Exhibit B - Tri-Counties Bank
- Exhibit C - Wells Fargo Bank
- Exhibit D – Resolution Directing Staff to Proceed
- Exhibit E – Agreement for Bond Counsel Services

**NORTH KERN WATER STORAGE DISTRICT
Proposed Calloway Lining/DRP Financing - 2024
Increase in BSC per Acre & Cash Analysis**

	Financing Level	Class 1		Class 2	
		Peak/ac	Avg/ac	Peak/ac	Avg/ac
TCB:	\$10M / 20 Yrs (w/ Draws)	\$ 16.93	\$ 12.84	\$ 16.93	\$ 12.84
WFB:	\$10M / 30 Yrs	\$ 11.44	\$ 11.44	\$ 11.44	\$ 11.44

ALTERNATIVES (Full \$10M Draw) - TCB Only:

TCB:	\$10M / 20 Yrs	\$ 16.52	\$ 12.87	\$ 16.52	\$ 12.87
TCB:	\$10M / 20 Yrs - Defer Princ 1 yr	\$ 16.93	\$ 12.96	\$ 16.93	\$ 12.96
TCB:	\$10M / 20 Yrs (w/ Draws) - PAYOFF IN 5yrs	\$ 16.93	\$ 10.23	\$ 16.93	\$ 10.23

	Class 1	Class 2	
	\$ 173	\$ 157	2023 BSC Rates (Actual)
	\$ 210	\$ 190	Max BSC Authority
	\$ 37	\$ 33	Allowance/Cushion

CASH ANALYSIS:

Estimated Loan Costs:

Legal - TCB	\$ 15,000.00
Bond Counsel	25,000.00
Origination Fee - .25%	25,000.00
Advance Fees (5)	2,500.00
Doc Fee	Incl in Orig Fee
Total TCB Costs	\$ 67,500.00
WFB - incl Legal + Bond Offering exp	\$ 201,669.00
Difference (Savings)	\$ (134,169.00)

Debt Service (P&I):

TCB 20 yrs (w/ draws)	\$ 14,923,725.00
WFB 30 yrs	\$ 18,992,000.00
Difference (Savings)	\$ (4,068,275.00)
TCB 100% Payoff in 5yrs	\$ 11,887,725.00
\$8.25M - no fee if open 2yr CD	
Difference (Savings)	\$ (7,104,275.00)
Parity Reserve Estimate	\$ 1,000,000.00

WFB Loan Requirements: Minimum 10yr call option - can refinance after 10yrs
North Kern/Cawelo Financing Authority



January 25, 2024

CONFIDENTIAL

North Kern Water Storage District
PO Box 81435
Bakersfield, CA 93380
Attn: David Hampton

Re: Expression of Interest – Debt Issue

Dear Mr. Hampton:

Tri Counties Bank (“TCB”) is pleased to express its interest in considering the following credit facility to **North Kern Water Storage District (the “District”)** more particularly described below. This letter is intended to summarize for discussion purposes only the credit facility which TCB is interested in considering at this time and does not constitute a commitment or an offer to lend by TCB.

1. Borrower: North Kern Water Storage District
2. Type of Credit Facility (the “Credit Facility”): Direct purchase Installment Purchase Contract allowing for multiple term debt advances until 4/1/25. Minimum advance to be no less than \$1,000,000. Final type/structure is to be determined by District’s bond counsel.
3. Installment Purchase Contract Amount: \$10,000,000.
4. Purpose: Fund capital costs associated with lining of Calloway Canal and connecting District wells to the Friant-Kern Canal.
5. Interest Rate (Bank Qualified Federal and State Tax Exempt): At the time of documentation for each advance interest rate will fix at the then: 75% of the [10-year US Treasury (currently 4.18%) plus 1.95%]. Floor of 4.40%. If fixed today, the all in rate would be 4.5975%.
6. Prepayment Penalty: 5% if prepayment is made prior to 4/1/29; 4% fee if prepayment is made on or after 4/1/29 but prior to 4/1/32; 3% fee if prepayment is made on or after 4/1/32 but prior to 4/1/34; 2% fee if prepayment is made on or after 4/1/34 but prior to 4/1/36; 1% fee if prepayment is made on or after 4/1/36 but prior to 4/1/37; and no prepayment fee if prepayment is made on or after 4/1/37. Notwithstanding the foregoing, in the event District receives mitigation proceeds from Dow Chemical/Shell Oil related to TCP contamination of groundwater, District will be allowed to prepay either a portion or all of this debt issue without penalty as long as District opens a new 2 year Certificate of Deposit with TCB in a like amount as the prepayment.
7. Payment Terms: Semi-annual interest payments beginning 10/1/24 plus semi-annual principal payments beginning 10/1/25 based on a 20 year amortization.
8. Maturity Date: Advance period will terminate 4/1/25. All advances under the Installment Purchase Contract will mature 4/1/45.

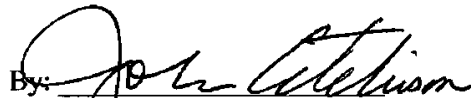
9. Fees/Costs and Expenses: Origination fee of 0.25%, advance fee of \$500/advance. In addition, District to reimburse TCB for all charges, costs and expenses incurred by TCB in connection with the debt issue, including without limitation, all costs for due diligence and TCB's internal or external attorneys fees and other expenses.
10. Collateral: Direct purchase debt issue is to be a general obligation of the District, pari passu with other District debt, and contain a writ of mandamus.
11. Guaranties: None.
12. Conditions Precedent, Representations and Warranties: TCB's standard representations and warranties to include but not limited to:
 - Tax-exempt certification for both Federal and California income tax purposes.
 - Receipt by TCB of all fees and expenses required to be paid prior to the closing date.
 - No material adverse change in financial condition or results of operation or management at the District.
 - At the election of the Bank, the interest rate may increase, while an Event of Default is continuing, by 300 basis points (3.00%).
 - The Agreement, closing certificates, opinions, and other documents to be reviewed and approved as to form by TCB and its Counsel.
 - The Bank will make a loan by entering into the Agreement under the following additional conditions: (i) the Agreement is not being registered under the Securities Act of 1933 and is not being registered or otherwise qualified for sale under the "Blue Sky" laws and regulations of any state; (ii) the Bank will hold the Agreement as one single debt instrument; (iii) no CUSIP numbers will be obtained for the Agreement; (iv) no official statement has been or will be prepared in connection with the private placement of the Agreement; (v) the Agreement will not close through the DTC or any similar repository and will not be in book entry form; and (vi) the Agreement is not listed on any stock or other securities exchange.
13. Covenants:
 - District to maintain a primary operating deposit relationship with TCB.
 - District to provide annual internal financial statements no later than 90 days following each fiscal year-end.
 - District to provide current year's operating budget no later than 90 days following each fiscal year-end.
 - District to provide annual audited financial statements no later than 270 days following each fiscal year-end, prepared by an independent auditor acceptable to TCB.
 - District to maintain working capital not less than \$12,000,000 at each fiscal year-end.
 - District to maintain a current ratio not less than 4.00 to 1.00 at each fiscal year-end.
 - Additional covenants may apply based on a full review of all requested information.

This Expression of Interest letter is meant to form a basis for further discussions with you regarding the credit facility described above. TCB expects to obtain additional information and engage in further discussions with you prior to deciding whether a commitment to provide credit will be issued and what the terms and conditions of any such commitment might be. TCB does not intend to be committed to provide credit to you unless TCB provides you with a written commitment letter which will include additional language, at a minimum, consistent with 1) an arm's length commercial transaction and not as a "Municipal Advisor" as defined in Section 15B of the Securities and Exchange Act of 1934; 2) representations that TCB intends that any debt issuance and related agreement be exempt from the requirements for CUSIP numbers under Municipal Securities Rulemaking Board Rule G-34; and 3) website disclosure details.

We look forward to any comments you may have regarding this Expression of Interest letter. Please let us know if you have any questions regarding this letter.

Sincerely,

Tri Counties Bank

By: A handwritten signature in black ink, appearing to read 'John Etchison', written over a horizontal line.

Name: John Etchison

Its: SVP, Commercial Regional Manager

Corporate & Investment Banking

WELLS
FARGO

North Kern Water Storage District

New Money Financing

March 1, 2024



Corporate & Investment Banking

The Wells Fargo logo, consisting of the words "WELLS" and "FARGO" stacked vertically in white, uppercase, sans-serif font, set against a red square background.

Important Information & Disclaimer

Important Information & Disclaimer

This document and any other materials accompanying this document (collectively, the “Materials”) are provided for general informational purposes only. By accepting any Materials, the recipient acknowledges and agrees to the matters set forth below.

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CIB, as potential underwriter or placement agent (together with any of its affiliates as context may require, “we”, or “Wells Fargo”) is providing the information contained in the Materials for discussion purposes only in anticipation of, or in connection with, engaging in arm’s length commercial transactions with you in which Wells Fargo would be acting solely as a principal or agent, as applicable, and not as a municipal advisor, financial advisor or fiduciary to you or any other person or entity regardless of whether we have or are currently acting as such on a separate transaction (the use of the term “agent” does not imply any fiduciary relationship).

These Materials are being provided to you for the purpose of working with you as an underwriter or placement agent (collectively, “underwriter”) on the transaction(s) described in the Materials. As part of its services as underwriter, CIB may provide information concerning the structure, timing, terms, and other similar matters concerning the issue of municipal securities that CIB proposes to underwrite as described in the Materials. The Materials may also contain such information. Any such information has been, and would be, provided by CIB in the context of serving as an underwriter and not as your municipal or financial advisor. Additionally, CIB, as underwriter, has financial and other interests that differ from your interests (or those of the issuer). In its capacity as underwriter, CIB’s primary role would be to purchase securities from you (or the issuer in the case of a conduit transaction) for resale to investors, or arrange for the placement of securities with investors on your behalf. Wells Fargo will not have any duties or liability to any person or entity in connection with the information being provided in the Materials.

The information provided herein is not intended to be and should not be construed as advice within the meaning of Section 15B of the Securities Exchange Act of 1934, and Wells Fargo will not be acting as your municipal advisor under the municipal advisor rules (“Muni Advisor Rules”) of the SEC and the SEC’s guidance in its Registration of Municipal Advisors Frequently Asked Questions dated May 19, 2014, as supplemented (collectively, “Muni Advisor Rules”). If you would like a municipal advisor that has legal fiduciary duties to you, you are certainly free to engage a municipal advisor to serve in that capacity.

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Disclosures (continued)

Any municipal underwriting, commercial paper and remarketing rankings referenced herein represent combined totals for WFBNA MFG and WFSLLC. Non-municipal underwriting, commercial paper and remarketing rankings referenced herein represent totals for WFSLLC only. Any secondary market trading data or information referenced herein represents the secondary market trading data or information of WFBNA MFG and/or WFSLLC unless otherwise noted. Source information for any ranking information not otherwise provided herein is available on request.

If the Materials are being provided to you under any of the following events, the information contained in the Materials and any subsequent discussions between us, including any and all information, advice, recommendations, opinions, indicative pricing, quotations and analysis with respect to any issuance of municipal securities, are provided to you in reliance upon the Bank, RFP, IRMA exemptions and underwriter exclusion, as applicable, provided under the Muni Advisor Rules. In the event the Bank, RFP, IRMA exemptions, or underwriter exclusion do not apply, the information included in the Materials are provided in reliance on the general information exclusion to advice under the Muni Advisor Rules.

Any information related to a bank-purchased bond transaction (“Direct Purchase”) included in the Materials is a product offering of WFBNA or a subsidiary thereof as purchaser / investor (“Purchaser”). CIB will not participate in any manner in any Direct Purchase transaction between you and Purchaser, and Wells Fargo employees involved with a Direct Purchase transaction are not acting on behalf of or as representatives of CIB. The information contained herein regarding Purchaser’s Direct Purchase is being provided to you by CIB only for purposes of providing financing alternatives that may be available to you from WFC and its affiliates. Information contained in this document regarding Direct Purchase is for discussion purposes only in anticipation of engaging in arm’s length commercial transactions with you in which Purchaser would be acting solely as a principal to purchase securities from you or a conduit issuer, and not as a municipal advisor, financial advisor or fiduciary to you or any other person or entity regardless of whether Purchaser, or an affiliate has or is currently acting as such on a separate transaction. Additionally, Purchaser has financial and other interests that differ from your interests. Purchaser’s sole role would be to purchase securities from you (or the conduit issuer). Any information relating to a Direct Purchase is being provided to you pursuant to and in reliance on the “Bank exemption” under the Muni Advisor Rules and the general information exclusion to advice under the Muni Advisor Rules.

In the event the Materials are being provided in connection with a RFP, the SEC exempts from the definition of municipal advisor “any person providing a response in writing or orally to a request for proposals or qualifications from a municipal entity or obligated person for services in connection with a municipal financial product or the issuance of municipal securities; provided however, that such person does not receive separate direct or indirect compensation for advice provided as part of such response” (“RFP exemption”). In such event, we have relied upon the RFP exemption, and on your distribution and execution of this RFP through a competitive process. In the event WFBNA MFG is the party providing the Materials, responses to all questions, certifications, attestations, information requests, and similar in the RFP or RFQ to which this response relates are specifically limited to, in context of, and as applied to, WFBNA MFG in its capacity as a separately identifiable department of a national bank that is registered as a municipal securities dealer with the Securities and Exchange Commission, Office of the Comptroller of the Currency, and Municipal Securities Rulemaking Board; and not on behalf of WFBNA, unless specified otherwise in our response.

In the event that you have provided us with your written representation that you are represented by an independent registered municipal advisor (an “IRMA”) within the meaning of the Muni Advisor Rules, with respect to the transaction(s) described in the Materials we have provided you with our written disclosure that we are not a municipal advisor to you and are not subject to the fiduciary duty under the Muni Advisor Rules, if applicable, and have taken certain other steps to establish the “IRMA exemption” under the Muni Advisor Rules.

In the event that you have engaged us to serve as an underwriter with respect to the municipal securities issuance described in the Materials we have provided you with our written disclosure regarding our role as an underwriter, that we are not a municipal advisor to you and are not subject to the fiduciary duty under the Muni Advisor Rules, if applicable.

If savings threshold level information is contained herein, please be advised that CIB is not recommending nor providing advice regarding which maturities should be refunded by you.

See additional important disclosures at the end of the Materials.

30-Year Financing | \$10 Million Project Fund Deposit

- The scenarios below show a bond offering sized to produce \$10 million in project fund proceeds
- Projected an all-in TIC between 4.15% to 4.40% and average annual debt service of \$629,000 to \$649,000

	Base -20 bps	Base	Base +20 bps
Par Amount	\$9,630,000	\$9,780,000	\$9,935,000
Premium	\$1,202,138	\$1,062,419	\$919,034
Uses of Funds:			
Project Fund	\$10,000,000	\$10,000,000	\$10,000,000
DSRF	\$631,250	\$640,750	\$651,000
Issuance Costs	\$200,888	\$201,669	\$203,034
Bond Statistics:			
Principal Amort. (4/1)	2025-2054	2025-2054	2025-2054
Average Life	18.84	18.84	18.85
All-in TIC	4.15%	4.28%	4.40%
Arbitrage Yield	3.37%	3.57%	3.77%
Total DS	\$18,703,375	\$18,992,000	\$19,299,063
Avg. Annual DS	\$628,685	\$638,387	\$648,708

Annual Debt Service			
(4/1)	Base -20 bps	Base	Base +20 bps
2025	\$471,125	\$476,750	\$487,563
2026	\$631,000	\$638,500	\$651,000
2027	\$628,250	\$640,750	\$648,000
2028	\$630,250	\$637,500	\$649,750
2029	\$626,750	\$639,000	\$646,000
2030	\$628,000	\$640,000	\$647,000
2031	\$628,750	\$640,500	\$647,500
2032	\$629,000	\$640,500	\$647,500
2033	\$628,750	\$640,000	\$647,000
2034	\$628,000	\$639,000	\$651,000
2035	\$626,750	\$637,500	\$649,250
2036	\$630,000	\$640,500	\$647,000
2037	\$627,500	\$637,750	\$649,250
2038	\$629,500	\$639,500	\$650,750
2039	\$630,750	\$635,500	\$646,500
2040	\$626,250	\$636,000	\$646,750
2041	\$631,250	\$635,750	\$646,250
2042	\$630,250	\$639,750	\$650,000
2043	\$628,500	\$637,750	\$647,750
2044	\$631,000	\$640,000	\$649,750
2045	\$627,500	\$636,250	\$650,750
2046	\$628,250	\$636,750	\$650,750
2047	\$628,000	\$636,250	\$649,750
2048	\$626,750	\$639,750	\$647,750
2049	\$629,500	\$637,000	\$649,750
2050	\$626,000	\$638,250	\$650,500
2051	\$626,500	\$638,250	\$650,000
2052	\$630,750	\$637,000	\$648,250
2053	\$628,500	\$639,500	\$650,250
2054	\$630,000	\$640,500	\$645,750
Total	\$18,703,375	\$18,992,000	\$19,299,063

Key Assumptions: Rated "A" by S&P; scale is indicative as of 1/29/2024 and subject to market conditions at time of pricing; callable at par starting 4/1/2034; Dated/Delivery date of 7/1/2024; All-In COI & UWD of \$200,000 plus rounding amount

30-Year Financing | Debt Service Schedules

Base – 20 bps Annual Debt Service			
(4/1)	Principal	Interest	Debt Service
2025	\$110,000	\$361,125	\$471,125
2026	\$155,000	\$476,000	\$631,000
2027	\$160,000	\$468,250	\$628,250
2028	\$170,000	\$460,250	\$630,250
2029	\$175,000	\$451,750	\$626,750
2030	\$185,000	\$443,000	\$628,000
2031	\$195,000	\$433,750	\$628,750
2032	\$205,000	\$424,000	\$629,000
2033	\$215,000	\$413,750	\$628,750
2034	\$225,000	\$403,000	\$628,000
2035	\$235,000	\$391,750	\$626,750
2036	\$250,000	\$380,000	\$630,000
2037	\$260,000	\$367,500	\$627,500
2038	\$275,000	\$354,500	\$629,500
2039	\$290,000	\$340,750	\$630,750
2040	\$300,000	\$326,250	\$626,250
2041	\$320,000	\$311,250	\$631,250
2042	\$335,000	\$295,250	\$630,250
2043	\$350,000	\$278,500	\$628,500
2044	\$370,000	\$261,000	\$631,000
2045	\$385,000	\$242,500	\$627,500
2046	\$405,000	\$223,250	\$628,250
2047	\$425,000	\$203,000	\$628,000
2048	\$445,000	\$181,750	\$626,750
2049	\$470,000	\$159,500	\$629,500
2050	\$490,000	\$136,000	\$626,000
2051	\$515,000	\$111,500	\$626,500
2052	\$545,000	\$85,750	\$630,750
2053	\$570,000	\$58,500	\$628,500
2054	\$600,000	\$30,000	\$630,000
Total	\$9,630,000	\$9,073,375	\$18,703,375

Base Case Annual Debt Service			
(4/1)	Principal	Interest	Debt Service
2025	\$110,000	\$366,750	\$476,750
2026	\$155,000	\$483,500	\$638,500
2027	\$165,000	\$475,750	\$640,750
2028	\$170,000	\$467,500	\$637,500
2029	\$180,000	\$459,000	\$639,000
2030	\$190,000	\$450,000	\$640,000
2031	\$200,000	\$440,500	\$640,500
2032	\$210,000	\$430,500	\$640,500
2033	\$220,000	\$420,000	\$640,000
2034	\$230,000	\$409,000	\$639,000
2035	\$240,000	\$397,500	\$637,500
2036	\$255,000	\$385,500	\$640,500
2037	\$265,000	\$372,750	\$637,750
2038	\$280,000	\$359,500	\$639,500
2039	\$290,000	\$345,500	\$635,500
2040	\$305,000	\$331,000	\$636,000
2041	\$320,000	\$315,750	\$635,750
2042	\$340,000	\$299,750	\$639,750
2043	\$355,000	\$282,750	\$637,750
2044	\$375,000	\$265,000	\$640,000
2045	\$390,000	\$246,250	\$636,250
2046	\$410,000	\$226,750	\$636,750
2047	\$430,000	\$206,250	\$636,250
2048	\$455,000	\$184,750	\$639,750
2049	\$475,000	\$162,000	\$637,000
2050	\$500,000	\$138,250	\$638,250
2051	\$525,000	\$113,250	\$638,250
2052	\$550,000	\$87,000	\$637,000
2053	\$580,000	\$59,500	\$639,500
2054	\$610,000	\$30,500	\$640,500
Total	\$9,780,000	\$9,212,000	\$18,992,000

Base + 20 bps Annual Debt Service			
(4/1)	Principal	Interest	Debt Service
2025	\$115,000	\$372,563	\$487,563
2026	\$160,000	\$491,000	\$651,000
2027	\$165,000	\$483,000	\$648,000
2028	\$175,000	\$474,750	\$649,750
2029	\$180,000	\$466,000	\$646,000
2030	\$190,000	\$457,000	\$647,000
2031	\$200,000	\$447,500	\$647,500
2032	\$210,000	\$437,500	\$647,500
2033	\$220,000	\$427,000	\$647,000
2034	\$235,000	\$416,000	\$651,000
2035	\$245,000	\$404,250	\$649,250
2036	\$255,000	\$392,000	\$647,000
2037	\$270,000	\$379,250	\$649,250
2038	\$285,000	\$365,750	\$650,750
2039	\$295,000	\$351,500	\$646,500
2040	\$310,000	\$336,750	\$646,750
2041	\$325,000	\$321,250	\$646,250
2042	\$345,000	\$305,000	\$650,000
2043	\$360,000	\$287,750	\$647,750
2044	\$380,000	\$269,750	\$649,750
2045	\$400,000	\$250,750	\$650,750
2046	\$420,000	\$230,750	\$650,750
2047	\$440,000	\$209,750	\$649,750
2048	\$460,000	\$187,750	\$647,750
2049	\$485,000	\$164,750	\$649,750
2050	\$510,000	\$140,500	\$650,500
2051	\$535,000	\$115,000	\$650,000
2052	\$560,000	\$88,250	\$648,250
2053	\$590,000	\$60,250	\$650,250
2054	\$615,000	\$30,750	\$645,750
Total	\$9,935,000	\$9,364,063	\$19,299,063

Key Assumptions: Rated "A" by S&P; scale is indicative as of 1/29/2024 and subject to market conditions at time of pricing; callable at par starting 4/1/2034; Dated/Delivery date of 7/1/2024; All-In COI & UWD of \$200,000 plus rounding amount

Corporate & Investment Banking

The Wells Fargo logo, consisting of the words "WELLS" and "FARGO" stacked vertically in white, uppercase, sans-serif font, set against a red square background.

Disclosures (continued)

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2Q23

RESOLUTION NO. _____

RESOLUTION OF THE NORTH KERN WATER STORAGE DISTRICT DIRECTING STAFF TO PROCEED WITH PLANNING FOR THE ISSUANCE OF CERTAIN OBLIGATIONS TO FINANCE THE 2024 WATER PROJECT AND APPOINTING BOND COUNSEL IN CONNECTION THEREWITH

WHEREAS, the North Kern Water Storage District (the “District”) is a California water storage district duly organized and validly existing under the laws of the State of California; and

WHEREAS, the District is authorized to borrow money, incur indebtedness and sell and purchase its property to finance and refinance public capital improvements, including improvements to or of benefit to the District’s water system; and

WHEREAS, the District has expressed interest in the issuance of obligations (the “Obligations”) via a private placement with Tri Counties Bank, as lender, to finance improvements to the District’s water system, primarily consisting of the Calloway Canal lining project and certain well connections (the “2024 Water Project”); and

WHEREAS, the Board of Directors desires to direct staff to pursue the steps necessary to issue the Obligations to finance the 2024 Water Project and to appoint Kutak Rock LLP, as bond counsel, for the issuance of the Obligations.

NOW, THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED BY THE NORTH KERN WATER STORAGE DISTRICT AS FOLLOWS:

SECTION 1. Direction to Staff. The General Manager of the District is hereby authorized and directed to take such actions as are necessary or appropriate to provide for the issuance of the Obligations, and, at such time as determined appropriate, to present to this Board of Directors all resolutions and documents necessary in connection therewith. Nothing in this Resolution shall in any way commit the District to issue any Obligations, and the District is under no obligation to go forward with issuance of the Obligations unless satisfactory terms are presented to the District.

SECTION 2. Approval of Bond Counsel. The Board of Directors hereby appoints the firm of Kutak Rock LLP, as bond counsel, in connection with the proposed issuance of the Obligations. The Board of Directors hereby authorizes and directs the General Manager to execute and deliver an agreement with said bond counsel for its services. Payment of fees and expenses with respect to such agreement shall be contingent upon the issuance of the Obligations or as set forth in the agreement.

SECTION 3. Other Acts. The officers and staff of the District are hereby authorized and directed, jointly and severally, to do any and all things, to execute and deliver any and all documents, which in consultation with the District’s General Counsel and Kutak Rock LLP, bond counsel, they may deem necessary or advisable in order to effectuate the purposes of this Resolution, and any and all such actions previously taken by such Officers or staff members are hereby ratified and confirmed.

SECTION 4. Effective Date. This Resolution shall take effect upon adoption.

The foregoing Resolution No. ____ was adopted by the Board of Directors on the 19th day of March, 2024, by the following vote:

AYES: MEMBERS:

NOES: MEMBERS:

ABSENT: MEMBERS:

ABSTAIN: MEMBERS:

President

ATTEST:

Secretary

The undersigned, Secretary of the Board of Directors, does hereby certify that the above and foregoing is a full, true and correct copy of Resolution No. ____ of said Board, and that the same as not been amended or repealed.

Secretary

AGREEMENT FOR BOND COUNSEL SERVICES

THIS AGREEMENT (the “Agreement”) is made and entered into this ___ day of March, 2024 between the North Kern Water Storage District, whose address is 33380 Cawelo Avenue, Bakersfield, CA 93308 (the “District”), and Kutak Rock LLP (“Kutak”) whose address is 5 Park Plaza, Ste. 1500, Irvine, California 92614.

WITNESSETH:

WHEREAS, the District proposes to finance certain improvements for the benefit of the District’s water system, primarily consisting of the Calloway Canal lining project and certain well connections (the “Project”); and

WHEREAS, Kutak is specifically trained and experienced in the conduct of proceedings for accomplishing the financing of the Project through the preparation, sale and delivery of a tax-exempt installment sale agreement or other obligations for such purposes (the “Obligations”); and

NOW, THEREFORE, in consideration of the covenants and premises herein contained and other good and valuable consideration, the parties hereto agree as follows:

1. Duties. Kutak shall provide legal services in connection with the authorization, issuance, sale, execution and delivery of the Obligations (the “Transaction”). Such services shall include, but not be limited to, the following:

a. Reviewing California State law regarding the authority for the District to authorize and enter into the Obligations and reviewing all term sheets received from financial institutions for the Obligations.

b. Conferring and consulting with the District, the officers, administrative staff, financial advisor, underwriter, if any, placement agent, if any, and other representatives of the District in connection with the preparation and formulation of the Transaction.

c. Preparation of the Resolution of Issuance, security documents and all other resolutions, agreements, notices and other documents necessary for the proper conduct and consummation of the Transaction.

d. A review of all financial documents for legal sufficiency.

e. Preparation of an incumbency certificate, an arbitrage certificate, and any and all other closing documents required of the District to accompany delivery of the financing documents.

f. Attendance at and supervision of the closing, and issuing the legal opinion of Kutak stating that the interest payments with respect to the Obligations is exempt from present federal and State income taxes, as the case may be, and approving in all respects the legality of all proceedings for the authorization, issuance, sale and delivery of the Obligations and other agreements relating to the Transaction.

g. Preparation of a transcript of the closing of the Transaction.

h. Conferring and consulting with District officials and agents with regard to any problems which may arise prior to the maturity of the issuance.

i. Providing any other necessary services, including ongoing monitoring of the Transaction after the sale of the Obligations and assistance to the District regarding the Transaction, generally expected of Kutak not listed above.

2. Compensation. For provision of the services to be rendered pursuant to this Agreement related to the execution and delivery or issuance of the Obligations, the District shall pay Kutak a fee of \$25,000, which fee shall include any out-of-pocket expenses incurred by it in the course of this engagement, such as reproduction and printing costs, word processing time, long distance telephone calls, travel at the request of the District and similar items (excluding any publication costs). Said fee is payable only upon issuance of the Obligations and shall be paid from proceeds thereof; provided however, if the District elects to terminate this Agreement prior to the issuance of the Obligations or if the Obligations are not issued, the District may pay Kutak all out-of-pocket expenses incurred by it in the course of this engagement and a fee proportionate to the services Kutak has performed commencing on the date of this Agreement to the date of termination of this Agreement or the date a determination is made that the District will not issue the Obligations. Such fee shall be determined by multiplying the number of hours Kutak actually and reasonably expends in completing the services outlined in this Agreement at the hourly rate of the attorney performing such services.

In the event Kutak is requested to perform additional work outside of its normal and customary services as bond counsel, such as litigation, Kutak will be paid additional compensation therefor following the submission of monthly, itemized bills at the hourly rate of the attorney performing such services; provided, however, there shall be no additional compensation due Kutak under the paragraph without the prior approval of the District.

3. Assignment. This Agreement may be assigned by the District to any other issuer of the securities as may be necessary to consummate the Transaction, without the consent of but with notice to Kutak.

4. No Guarantees; Entire Agreement. Nothing in this Agreement and nothing in our statements to you should be construed as a guarantee or promise about the outcome of the Transaction or any phase thereof. We make no such guarantees or promises. Comments about the course or outcome of the Transaction or any phase thereof which we may make from time to time are expressions of opinion only. The written Agreement constitutes the entire Agreement between the parties hereto with respect to Kutak services and neither party has been

induced to make or enter into this Agreement by reason or promise, agreement, representation, statement or warranty other than as herein contained.

5. Other Representation. Kutak may, from time to time, have clients with interests which may be potentially adverse to the District. Kutak reserves the right to represent said clients except on matters directly relating to the issuance and sale of the Obligations. We will disclose any such potential conflict to you and will seek a waiver of that conflict. We will of course work with you and our other clients to construct an appropriate ethical wall to protect the confidences of all of our clients and to clearly separate our work in any such case. Although we are not asking for a waiver now since these conflicts may not emerge, we ask that you agree to give good faith consideration to our requests for any such waivers in the future. This will allow us to better serve all of our clients.

6. Work Product. Our files developed in the course of work undertaken pursuant to this Agreement are your property. We will release those files to you or to anyone else you designate upon your written request delivered to the attorney in charge of this matter. However, such a request will signify the end of this engagement if it is then still ongoing. You agree that we may, in our sole discretion, copy all or any portion of such files at your expense and retain such copies, and that we may have a reasonable period of time before releasing the documents to you or your designee in order to make the copies. We will from time to time send portions of your files that are not currently needed to an off-site storage facility. The cost of using this facility will be our sole expense. However, we are not the guarantor of the security of any off-site storage facility. Accordingly, you agree that the firm will not be responsible for any damages which may occur as a result of the loss of any of your files which we store at an off-site storage facility. You also agree that we may, after the passage of two years without our having performed any work for you pursuant to this engagement, destroy the files of this engagement without further notice to you unless you have previously provided us with written instructions to forward the files to you or to another person you designate.

7. Insurance. We carry professional liability insurance which would cover the services we will be providing under the terms of this Agreement. That insurance is subject to a self-insured retention.

8. Arbitration. If an action or proceeding is commenced to enforce this Agreement or any provision hereof, the prevailing party in such an action or proceeding shall be entitled to recover the reasonable amount of his, her or its fees and costs thereof, in addition to compensatory damages. For the purposes of enforcing this Agreement only, and as otherwise required by law, you agree that this Agreement may be disclosed to a court or arbitrator.

9. Notices. All notices, demands, requests, consents and approvals given, required or permitted to be given hereunder, shall be contained in writing and shall be deemed sufficiently given if sent by express delivery service or by registered or certified mail, postage prepaid and return receipt requested, addressed to the parties at the addresses set forth above or on any addendum or counterpart to this Agreement, or to such other address as the recipient shall have notified the sender of in writing. You agree to keep us currently informed of any change in your address or telephone numbers so that we may effectively communicate with you. We will

also advise you promptly of any change in the firm's business address, electronic mail address, telephone or facsimile numbers.

10. California Law. This Agreement is made under and shall be construed in accordance with the substantive laws of the State of California, without reference to choice of law rules.

11. Counterparts. This Agreement may be executed in counterparts each of which shall be deemed an original but all of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their respective officers and representatives thereto duly authorized, all as of the day and year first above written.

**NORTH KERN WATER STORAGE
DISTRICT**

By: _____
General Manager

KUTAK ROCK LLP

By: _____
Albert R. Reyes, a Partner

NORTH KERN WATER STORAGE DISTRICT
Board Meeting

Agenda Item 8A

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

March 11, 2024

TO: ENGINEERING COMMITTEE
Directors Ackerknecht and Camarena, Alternate Andrew

FROM: David Hampton, and Ram Venkatesan

RE: Award of Contract for the 2018 and 2020 Return Capacity Project

RECOMMENDED MOTION:

“Authorize the General Manager to award a contract to Specialty Constructions to install pipelines for the 2018 and 2020 Return Capacity Project.”

DISCUSSION:

As indicated at previous Board meetings, the District secured two grants (\$ 750,000 – 2018 DRP and \$750,000- 2020 DRP) to replace four District wells and to construct new discharges into the Friant Kern Canal.

GEI Consultants (“GEI”) prepared pipeline installation specifications and solicited bids to connect seven District wells to the Friant Kern Canal. The District received bids from six contractors, and they were opened at a public bid opening meeting on March 7th, 2024. GEI, staff, and legal counsel reviewed all the proposals for completeness and prepared the attached summary of bids (Exhibit “A”). The apparent lowest bidder is Specialty Construction Inc., (“SCI”) with a bid of \$5,360,346 for the project. This is about \$1.6 million lower than the Engineers estimate. The District’s cost share is planned to be met with long-term financing.

Subject to legal counsel approval, staff recommends that the Board authorize the General Manager to award a contract to SCI to install pipelines for the 2018 and 2020 Return Capacity Project.

Attachments:

Exhibit “A” – Summary of Bids



March 12, 2024

Consulting
Engineers and
Scientists

Ram Venkatesan
Deputy General Manager
North Kern Water Storage District
33380 Cawelo Avenue
Bakersfield, CA 93308

**Re: Recommendation for Award of Contract
North Kern Water Storage District
2018 and 2020 Return Capacity Project
Specifications No. NK 622-623**

Mr. Venkatesan,

GEI has reviewed six bids for the North Kern Water Storage District (District) 2018 and 2020 Return Capacity Project (Project), Specifications No. NK 622-623, that were received and publicly opened at the District's office on March 7, 2024. The Project was advertised for sealed bids in February 2024. Advertisements ran in the Bakersfield Californian newspaper on February 5, 12, 20, and 26, 2024 and the Project was posted in the Kern County Builders Exchange online planroom and Dodge Data and Analytics online planroom. GEI's analysis and recommendation for award is presented herein.

The bids are shown in detail on the attached Bid Abstract and are summarized as follows.

Bidder	Bid
Ruben's Pipeline, Inc	\$ 6,728,027.00
Laurel Ag & Water	\$ 7,880,000.00
Specialty Construction, Inc	\$ 5,360,346.00
Nicholas Construction, Inc	\$ 5,584,400.00
RLH Fire Protection, Inc	\$ 6,055,200.00
W.M. Lyles Co.	\$ 7,282,054.00

The low bidder is Specialty Construction, Inc. (SCI). As part of the bid review process, GEI reviewed SCI's bid to determine if it was "responsive" and to determine if SCI is a "responsible" bidder. With regard to the evaluation of "responsiveness", it was determined that all required documents were submitted by SCI and documents appear to be properly completed.

Regarding SCI's surety company, GEI searched Harco National Insurance Company (HNIC)

on the California Department of Insurance, the Bureau of the Fiscal Service, and AM Best websites with sufficient results including an “Excellent” AM Best rating. Additionally, GEI obtained a certificate from the Kern County Clerk indicating the surety company is an admitted surety and is authorized to transact surety insurance in the State of California.

GEI has confirmed that SCI submitted a bid that fulfills the requirements as stated in the Contract Documents. In this regard, SCI’s bid is in conformance with the bidding provisions of the Contract Documents; SCI’s bid is a “responsive” bid.

With regard to “bidder responsibility”, the specifications required contractors to list at least three projects completed in the last ten years that are similar in scope and complexity. SCI listed three appropriate references. References provided favorable review of SCI’s work on said projects. In this regard, SCI appears to be a “responsible” bidder.

GEI is not aware of any reason that SCI should not be able to perform satisfactorily on the Project. It is recommended that SCI be awarded the construction contract for the Project.

Sincerely,

Mark Martin
GEI Consultants, Inc.

Enclosures
Bid Abstract
SCI’s Bid
Surety Certificate

cc:
Grace Martin, GEI Consultants
Tod Woodson, GEI Consultants

Bid Abstract
 North Kern Water Storage District
 Specifications No. NK 622-623
 2018 and 2020 Return Capacity Project

Bidder				Ruben's Pipeline, Inc.		Laurel Ag & Water		Specialty Construction, Inc.		Nicholas Construction, Inc.		RLH Fire Protection, Inc.		W.M. Lyles Co.	
Address				6810 Houghton Road Bakersfield, CA 93313		10000 Stockdale Highway, Suite 100 Bakersfield, CA 93311		645 Clarion Court San Luis Obispo, CA 93401		251 Carsen Way Shafter, CA 93263		4300 Stine Road, Suite 500 Bakersfield, CA 93313		P.O. Box 28130 Fresno, CA 93729	
License Class				C34		A, C10		A, B		A, HAZ, B		A, C10, C16		A, B, C8, C12, C31	
License Number				893201		1050590		619361		843461		777717		422390	
DIR Number				1000013843		1000670774		1000000128		1000020047		1000003109		1000001448	
Item No.	Description	Estimated Quantity	Unit	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
A1	Mobilization and Demobilization	1	LS	\$10,500.00	\$10,500.00	\$64,000.00	\$64,000.00	\$183,000.00	\$183,000.00	\$180,000.00	\$180,000.00	\$115,000.00	\$115,000.00	\$183,000.00	\$183,000.00
A2	Environmental Compliance	1	LS	\$47,500.00	\$47,500.00	\$61,000.00	\$61,000.00	\$92,000.00	\$92,000.00	\$5,000.00	\$5,000.00	\$18,500.00	\$18,500.00	\$14,000.00	\$14,000.00
A3	Traffic Control	1	LS	\$15,000.00	\$15,000.00	\$23,000.00	\$23,000.00	\$17,400.00	\$17,400.00	\$2,000.00	\$2,000.00	\$8,000.00	\$8,000.00	\$2,000.00	\$2,000.00
A4	Clearing and Grubbing	1	LS	\$54,000.00	\$54,000.00	\$5,000.00	\$5,000.00	\$7,750.00	\$7,750.00	\$10,000.00	\$10,000.00	\$1,500.00	\$1,500.00	\$15,000.00	\$15,000.00
A5	Site Restoration	1	LS	\$76,500.00	\$76,500.00	\$23,000.00	\$23,000.00	\$31,000.00	\$31,000.00	\$50,000.00	\$50,000.00	\$7,000.00	\$7,000.00	\$68,000.00	\$68,000.00
A6	Salvage and Deliver Existing Well 88-25-013 Well Discharge Materials	1	LS	\$18,500.00	\$18,500.00	\$10,000.00	\$10,000.00	\$14,000.00	\$14,000.00	\$15,000.00	\$15,000.00	\$7,000.00	\$7,000.00	\$10,000.00	\$10,000.00
A7	Furnish and Install 24" Diameter C900 DR-25 PVC Water Main	2,340	LF	\$317.00	\$741,780.00	\$341.88	\$799,998.20	\$223.00	\$521,820.00	\$240.00	\$561,600.00	\$290.00	\$678,600.00	\$324.00	\$758,160.00
A8	Furnish and Install 30" Diameter C900 DR-25 PVC Water Main	2,740	LF	\$390.20	\$1,069,148.00	\$492.70	\$1,349,998.20	\$306.00	\$838,440.00	\$310.00	\$849,400.00	\$364.00	\$997,360.00	\$376.00	\$1,030,240.00
A9	Furnish and Install 36" Diameter C900 DR-25 PVC Water Main	320	LF	\$738.75	\$236,400.00	\$531.25	\$170,000.00	\$499.00	\$159,680.00	\$600.00	\$192,000.00	\$574.00	\$183,680.00	\$722.00	\$231,040.00
A10	Furnish and Install 36" Diameter C900 DR-25 PVC Water Main	1	LS	\$186,800.00	\$186,800.00	\$200,000.00	\$200,000.00	\$151,000.00	\$151,000.00	\$145,000.00	\$145,000.00	\$109,000.00	\$109,000.00	\$97,000.00	\$97,000.00
A11	Furnish and Install Well 88-25-010 Connection to Water Main	1	LS	\$162,500.00	\$162,500.00	\$150,000.00	\$150,000.00	\$83,000.00	\$83,000.00	\$80,000.00	\$80,000.00	\$70,000.00	\$70,000.00	\$85,000.00	\$85,000.00
A12	Furnish and Install Well 88-25-013 Connection to Water Main	1	LS	\$131,400.00	\$131,400.00	\$185,000.00	\$185,000.00	\$84,000.00	\$84,000.00	\$75,000.00	\$75,000.00	\$46,000.00	\$46,000.00	\$55,000.00	\$55,000.00
A13	Furnish and install 36" Discharge Structure	1	EA	\$484,614.00	\$484,614.00	\$570,000.00	\$570,000.00	\$394,000.00	\$394,000.00	\$485,000.00	\$485,000.00	\$525,000.00	\$525,000.00	\$699,000.00	\$699,000.00
Bid Schedule A (A1-A13) Subtotal Lump Sum Price				\$3,234,642.00		\$3,610,997.20		\$2,577,090.00		\$2,650,000.00		\$2,766,640.00		\$3,227,440.00	
B1	Mobilization and Demobilization	1	LS	\$10,500.00	\$10,500.00	\$64,000.00	\$64,000.00	\$92,000.00	\$92,000.00	\$180,000.00	\$180,000.00	\$180,000.00	\$180,000.00	\$191,000.00	\$191,000.00
B2	Environmental Compliance	1	LS	\$52,500.00	\$52,500.00	\$61,000.00	\$61,000.00	\$92,000.00	\$92,000.00	\$5,000.00	\$5,000.00	\$18,500.00	\$18,500.00	\$23,000.00	\$23,000.00
B3	Traffic Control	1	LS	\$15,000.00	\$15,000.00	\$23,000.00	\$23,000.00	\$7,500.00	\$7,500.00	\$2,000.00	\$2,000.00	\$8,000.00	\$8,000.00	\$2,000.00	\$2,000.00
B4	Clearing and Grubbing	1	LS	\$54,500.00	\$54,500.00	\$20,000.00	\$20,000.00	\$10,300.00	\$10,300.00	\$10,000.00	\$10,000.00	\$17,000.00	\$17,000.00	\$30,000.00	\$30,000.00
B5	Site Restoration	1	LS	\$82,500.00	\$82,500.00	\$46,000.00	\$46,000.00	\$53,500.00	\$53,500.00	\$50,000.00	\$50,000.00	\$24,000.00	\$24,000.00	\$150,000.00	\$150,000.00
B6	Furnish and Install 18" Diameter C900 DR-25 PVC Water Main	4,684	LF	\$185.50	\$868,882.00	\$236.46	\$1,107,578.64	\$150.00	\$702,600.00	\$150.00	\$702,600.00	\$185.00	\$866,540.00	\$196.00	\$918,064.00
B7	Furnish and Install 24" Diameter C900 DR-25 PVC Water Main	2,625	LF	\$333.40	\$875,175.00	\$400.76	\$1,051,995.00	\$236.00	\$619,500.00	\$240.00	\$630,000.00	\$292.00	\$766,500.00	\$350.00	\$918,750.00
B8	Furnish and Install 36" Diameter C900 DR-25 PVC Water Main	208	LF	\$1,264.00	\$262,912.00	\$598.21	\$124,427.68	\$682.00	\$141,856.00	\$600.00	\$124,800.00	\$1,040.00	\$216,320.00	\$1,600.00	\$332,800.00
B9	Furnish and Install Well 88-00-098 Connection to Water Main	1	LS	\$140,500.00	\$140,500.00	\$105,000.00	\$105,000.00	\$79,000.00	\$79,000.00	\$105,000.00	\$105,000.00	\$87,000.00	\$87,000.00	\$84,000.00	\$84,000.00
B10	Furnish and Install Well 88-29-015 Connection to Water Main	1	LS	\$160,800.00	\$160,800.00	\$215,000.00	\$215,000.00	\$169,000.00	\$169,000.00	\$120,000.00	\$120,000.00	\$100,000.00	\$100,000.00	\$114,000.00	\$114,000.00
B11	Furnish and Install Well 88-05-003 Connection to Water Main	1	LS	\$104,916.00	\$104,916.00	\$118,000.00	\$118,000.00	\$71,000.00	\$71,000.00	\$89,000.00	\$89,000.00	\$69,000.00	\$69,000.00	\$81,000.00	\$81,000.00
B12	Furnish and Install Well 88-05-011 Connection to Water Main	1	LS	\$126,400.00	\$126,400.00	\$166,000.00	\$166,000.00	\$58,000.00	\$58,000.00	\$89,000.00	\$89,000.00	\$80,000.00	\$80,000.00	\$81,000.00	\$81,000.00
B13	Furnish and install 36" Discharge Structure	1	EA	\$443,500.00	\$443,500.00	\$551,000.00	\$551,000.00	\$410,000.00	\$410,000.00	\$475,000.00	\$475,000.00	\$528,000.00	\$528,000.00	\$672,000.00	\$672,000.00
B14	Furnish and install 24" Discharge Structure	1	EA	\$295,300.00	\$295,300.00	\$380,000.00	\$380,000.00	\$277,000.00	\$277,000.00	\$352,000.00	\$352,000.00	\$328,000.00	\$328,000.00	\$457,000.00	\$457,000.00
Bid Schedule B (B1-B14) Subtotal Lump Sum Price				\$3,493,385.00		\$4,033,001.32		\$2,783,256.00		\$2,934,400.00		\$3,288,860.00		\$4,054,614.00	

Total Price	\$6,728,027.00	\$7,643,998.52	\$5,360,346.00	\$5,584,400.00	\$6,055,500.00	\$7,282,054.00
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Subcontractors	Krazan & Associates Porter & Associates	A+ Quality Concrete Construction Inc.	W.M. B. Saleh Pacific Steel Group Krazan & Associates	W.M. B. Saleh Pacific Steel Group	DPSI Krazan & Associates W.M. B. Saleh	W.M. B. Saleh
Bid Bond Surety	Old Republic Surety Company	American Contractors Indemnity Company	Zurich Americas	Harco National Insurance Company	Great American Insurance Company	Liberty Mutual Insurance Company

**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 8B

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Bakersfield, CA 93380-1435
Administration
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NORTH KERN WATER STORAGE DISTRICT

March 13, 2024

TO: ENGINEERING COMMITTEE
Directors Ackerknecht and Camarena, Alternate Andrew

FROM: David Hampton and Ram Venkatesan

RE: Approve Task Order With GEI Consultants for Construction Management
Support for the 2018 and 2020 Return Capacity Project

RECOMMENDED MOTION:

“Authorize the General Manager to execute Task Order 24-04 with GEI Consultants for construction management support services for the 2018 and 2020 Return Capacity Project for a budget amount not-to-exceed \$185,565”.

DISCUSSION:

As indicated at previous Board meetings, the District secured two grants (\$750,000 – 2018 DRP and \$750,000- 2020 DRP) to replace four District wells and to construct new discharges into the Friant Kern Canal.

The 2018 and 2020 Return Capacity Project involves constructing 2.5 miles of pipeline and installing three discharges into the Friant Kern Canal. Exhibit “A” is a task order from GEI Consultants (“GEI”) to provide construction management support services for the project. Construction management services will include among other things part-time inspection of all the work performed by the contractor, performing pre-construction environmental surveys, and documentation of construction activities for the project. GEI has provided a budget of \$185,565 to provide the necessary support for the project. District staff will also be performing part-time inspection and construction management work for this project.

Staff recommends Board approval for the General Manager to execute Task Order 24-04 with GEI Consultants for construction management support services for the Long-Term TCP project for a budget amount not-to-exceed \$185,565.

Attachments:

Exhibit “A”: Task Order 24-04 from GEI Consultants



March 11, 2024

Consulting
Engineers and
Scientists

Ram Venkatesan
Deputy General Manager
North Kern Water Storage District
33380 Cawelo Avenue
Bakersfield, CA 93308

**PROFESSIONAL SERVICES AGREEMENT
EXHIBIT A – SCOPE OF WORK
FOR**

**TASK ORDER 24-04 – Construction Management Services for the 2018 and 2020
Return Capacity Project (NK 622-623)**

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, District) per the terms and conditions of the Professional Services Agreement dated November 16, 2017, except as amended herein.

SCOPE OF SERVICES

The scope of this task order is to provide Construction Management support for the North Kern Water Storage District 2018 and 2020 Return Capacity Project (Project), the pipeline construction component of the 2018 and 2020 Drought Response Program Return Capacity Improvements grant funded projects. The well drilling component of the grant funded projects was bid and is being constructed separately.

Construction Administration and Management

GEI will assist the District by providing construction administration and management services during the pipeline contract, support the pipeline installation, and provide engineering support during construction. GEI will also perform a pre-construction survey of the Project and conduct Worker Environmental Awareness Program (WEAP) training for construction personnel, as required by the environmental documents. GEI will assist the District with correspondence with the contractor, submittal review, progress payments, periodic meetings with the contractor, and processing contract change orders.

Construction Management:

1. Set up templates - Contract Change Order, Requests For Information (RFI) log, Construction Memorandum, Partial Payment Estimate, Submittal Log
2. Set up Construction Management files
3. Complete environmental pre-construction survey and WEAP Training
4. Review Contractor's Schedule of Submittals

5. Review Contractor's Schedule of Values
6. Review Contractors Schedule
7. Prepare List of Contacts
8. Process RFIs and Submittals
9. Complete Daily Inspection Reports with Photos for days on site
10. Prepare Construction Memorandums, as needed
11. Review and document Contractor's Partial Payment Estimates and process for payment
12. Prepare Contract Change Orders
13. Lead weekly Contractor meetings and prepare agendas and minutes
14. Review, file, and log Inspectors Daily Reports
15. Coordinate with Labor Compliance Program provider

Project Closeout:

1. Prepare Punchlist Items
2. Prepare Notice of Completion
3. Coordinate Record Drawings preparation
4. Collect and distribute to the District Project submittals, O&M Manuals, Warranty, etc. for District files
5. Author and distribute Final Payment Recommendation and; Recommendation for Release of Retention

SCHEDULE

The Task Order is based on an estimated Notice to Proceed to the Contractor on April 8, 2024, and a completion date of December 31, 2024. Duration of CM services is 39 weeks.

ASSUMPTIONS

The following assumptions were made in determining schedule and budget.

1. There will be no findings of the pre-construction survey. This Task Order does not include any special surveillance or mitigation for potential species of concern.
2. The WEAP training will be recorded and made available to the Contractor and the District for training of additional crew members beyond the initial training.
3. The overall schedule for CM services is estimated to be 39 weeks from April 8th, 2024, to December 31st, 2024.
4. The Contractor is anticipated to procure materials and start construction by June 2024.
5. The overall construction schedule is estimated at 6 months based on 12,890 linear feet (LF) with pipe installation at a rate of 400 LF/Day (36" pipe was estimated at 100 LF/Day), 7 days for each of the 8 well connections, and 10 days for each of the 3 Channel Discharge Structure and meter installations. Overall construction duration is 124 days or 992 hours (8-hour day).

6. GEI will provide CM services for field observation for critical items such as setup, connections, testing, and compaction. GEI acknowledges the District would like to reduce their cost related to the CM services. Therefore, GEI's field inspectors will utilize the assistance of the District personnel to document the construction activities during non-critical phases of work utilizing GEI's inspection procedures. The level of effort is difficult to quantify and is subjective to the Contractors plans. Therefore, we have conservatively estimated that field observations and associated daily reports and photos for these activities will only be required for 50% of the time – 496 hours.
7. All material and soil testing are to be provided by the Contractor. Scope does not include QA confirmation testing by the GEI CM team.
8. All surveying to be provided by the Contractor.
9. No costs for a Labor Compliance Program are included in this Task Order.
10. Engineering Services During Construction are included to provide a single review of submittals, provide responses to RFIs, and provide minor adjustments to design to meet field conditions. Design changes requiring new drawings is not included in the costs.
11. Cost for processing or management of change orders related to major design changes requiring new drawings are not included in this scope. If a major change order is required, GEI will work with District to provide an estimate to complete the change.

BUDGET

The request for this Task Order is \$185,565 for CM Services. Billing for all work completed for this Task Order will be in accordance with the terms of the Professional Services Agreement and expenses billed at cost. The total budget amount shall not be exceeded without written authorization from the District. The following table shows a breakdown of CM Services Costs.

The table below is a summary of the costs:

Pre-construction Surveys and WEAP Training	\$8,000
Construction Project Management	\$33,110
Field Observations	\$98,705
Contract Administration	\$13,100
Expenses	\$5,000
Total:	\$185,565

The following is a description of general roles and responsibilities for each person:

- A qualified biologist will perform the pre-construction surveys and WEAP Training including a survey of the site prior to construction and one WEAP training session.
- Construction Manager will provide review of project status, schedule, costs, and facilitate resolution of contractor construction issues. The Construction Manager will also act as the point of contact for the District.

- Field Observer will provide the field oversight and documentation of construction activities. This person will be the initial point of contact for the contractor and observe and track construction progress. The field engineer will help identify any concerns with construction progress and bring them to the construction manager and/or the Engineer of Record.
- Contract Administrator will assist with daily communication between GEI and contractor and GEI and the District. The contract administrator will also coordinate project documentation and help compile the application for payment.
- Design Support (Engineer of Record) will review submittals, resolve RFIs, and approve final project closeout documents including redline drawings.


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.

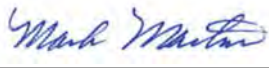
By: _____

By: 

Tod Woodson, Project Manager

Date: _____

Date: 03-11-2024

By: 

Mark Martin, PE, Senior Engineer

Date: 03-11-2024

ACCOUNTING CODES

All work for this scope will be billed under a unique GEI Project No.

North Kern Water Storage District

TASK ORDER 24-04 – Construction Management Services for the 2018 and 2020 Return Capacity Project (NK 622-623)
Budget Worksheet

	Project Team										Total			
	G8	G7	G6	G5	G4	G3	G2	G1	Drafter	Admin	Labor			Total
											Hours	Cost	Expenses	Cost
*Standard 2024 Rates Used for Cost Estimating:	\$356	\$318	\$267	\$235	\$199	\$177	\$162	\$147	\$162	\$132				
Task 1 CM Services														
1 Environmental Survey			8	12	8	8					36	\$8,000		\$8,000
2 Construction Project Management			124								124	\$33,110		\$33,110
3 Field Observations					486						496	\$98,705	\$5,000.00	\$103,705
4 Contract Administration								74			74	\$13,100		\$13,100
5 Engineering Support During Construction		50		50							100	\$27,650		\$27,650
											0	\$0		\$0
											0	\$0		\$0
<i>Total Hours</i>	0	50	132	62	504	82	0	0	0	0	830			
<i>Total Cost</i>	\$0	\$12,500	\$22,044	\$0	\$69,048	\$10,496	\$0	\$0	\$0	\$0		\$114,088		\$185,565

NOTES: Estimate is based on GEI 2024 Rates; actual costs will be billed at 3.05 labor multiplier rate.

*While standard rates are used for cost estimating purposes, labor will be billed at North Kern's negotiated multiplier rate of 3.05.

**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 9A1

Memo

Consulting
Engineers and
Scientists

To: North Kern Water Storage District
From: Stephanie Hearn
Date: March 14, 2024
Re: SGMA Implementation Progress Report
Project No. 2400793

The last progress report, in November 2023, gave a summary of the Technical Working Group's (TWG) approach to resolving DWR deficiencies and developing a revised GSP. This report updates on progress towards developing a revised Groundwater Sustainability Plan (GSP), as well as a summary of the District's Spring groundwater level measurements.

Groundwater Level Monitoring

The TWG subcommittees have been hard at work analyzing Subbasin-wide data and figuring out how to apply the same data and methodologies across the entire Subbasin, which leads to develop a comprehensive set of Sustainable Management Criteria (SMCs) that can consistently apply to all GSAs. While it has been very challenging, the TWG subcommittees work very well together, and the results are starting to show.

- **Subsidence:** developed a list of critical and/or vulnerable infrastructure with proposed SMCs. The group is now working with the groundwater level methodology, water quality, and monitoring network subcommittees to tie together the sustainability indicators. Work was presented to the State Water Resources Control Board (SWRCB) staff in December 2023. Their draft section of the GSP was released for peer review on March 11.
- **Water Quality:** followed the SWRCBs recommended methodology for evaluating groundwater conditions. Results of this work were presented to SWRCB staff in January 2024. The team is presently working on identifying a Subbasin-wide monitoring network and coordinating with the groundwater level team to evaluate water quality adjustments to the groundwater level Minimum Thresholds (MTs), as well as the subsidence subcommittee to identify wells that could show degraded water quality resulting from subsidence. The complete water quality monitoring network and SMC adjustments were presented to GSA Managers on March 15.
- **Monitoring Network:** evaluating the monitoring network for consistency with Best Management Practice (BMP) guidance. Initial analysis is groundwater level monitoring exceeds the minimum requirements and is representative of groundwater pumping density. The monitoring network subcommittee is now coordinating with the subsidence and water quality subcommittees to identify which representative wells can also be used to represent vulnerable beneficial users (water quality), critical infrastructure (subsidence), and to correlate all of the undesirable results with groundwater pumping. Monitoring protocols will be established for each sustainability indicator and results will be reported to the Department of Water Resources

through annual reporting requirements. The monitoring network ties together the complex analysis of sustainable groundwater management and the data needed to demonstrate management actions are effective. Work will be presented to SWRCB staff in early April 2024.

- **Projects & Management Actions, Water Budgets, and Groundwater Banking** are separate subcommittees composed of the same TWG members who are working to develop GSA water budgets consistent with the model, enable the Subbasin to account for banked water separate from groundwater, and establish a baseline water balance to compare Projects & Management Actions (PMAs) against. This work will enable the Subbasin to meet guidelines for reporting results of PMAs in the annual report to DWR. Work will be presented to SWRCB staff in late April 2024.
- **Well Inventory and Well Mitigation Program:** the Kern Subbasin recently completed its first attempt at developing a comprehensive well inventory. This effort reconciled data from DWRs Online System of Well Completion Reports (OSWCR) with data provided by Kern County Environmental Health, Division of Drinking Water, and USGS databases. The next steps will be distributing the well inventory to the GSAs to physically validate wells in their management areas. The reconciled database will be used by the groundwater levels team to conduct a well impact analysis that informs on potential impacts to beneficial users.

The well mitigation subcommittee has been talking with Self-Help Enterprises (SHE), who administers a well mitigation program for disadvantaged communities on behalf of the State, about administering a program for the Kern Subbasin. SHE is presently funded by State grants and has exclusively worked to supporting low-income households. With SGMA requirements for well mitigation programs in all overdrafted Subbasin's, there is increased need for their services. SHE is working towards expanding their program and is interested in supporting the Kern Subbasin. There are still a lot of details to work through but, a Letter of Intent has been drafted for the Subbasin to document our interest in their services. Element of the well mitigation program include extensive public engagement, providing temporary emergency replacement water (bottled water), short-term replacement water (temporary tank with water refills), and an evaluation of facilities to determine the cause of failure and cost-share for mitigation. While there are still a lot of details to work through, and negotiations on levels of service and costs, the subcommittee has enough conceptual information to draft a framework of the program that will be submitted with the GSP. Well Inventory and Mitigation Program was presented to the SWRCB on March 6.

In addition to the analysis the subcommittees are doing, the TWG has also been very busy writing chapters of the revised Groundwater Sustainability Plan. To date, 10 of the 16 chapters have been drafted and are under peer review. GSA Managers have completed their initial review of chapters 1-4 (introduction chapters), chapters 6 and 7 (basin setting and hydrogeologic conceptual model) and chapter 10 (interconnected surface water and groundwater dependent ecosystems). The next set of chapters to be released are Chapter 8, which is the background information for establishing SMCs (groundwater conditions, groundwater in storage, subsidence, and water quality). Chapters 11-14 (SMCs) and 15-16 (monitoring network and implementation) will follow Chapter 8. The release of draft chapters has been a little out of order because some of the early chapters are iterative and require updates on the GSP development process. Final review of Chapters 1-5 will be the last draft reviews. Then, the executive summary and final chapters will be released in mid-April.

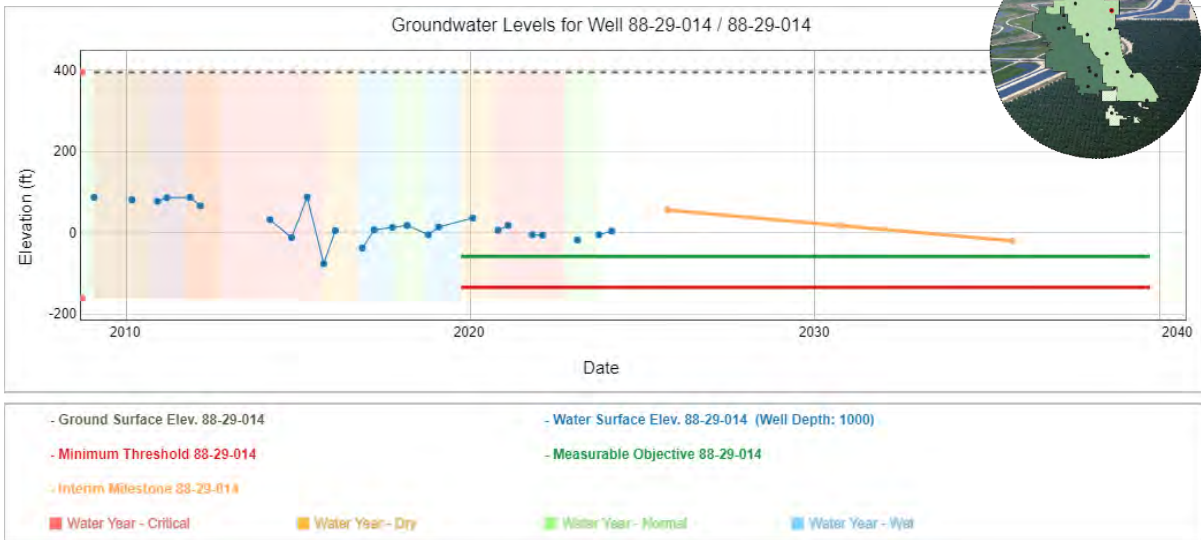
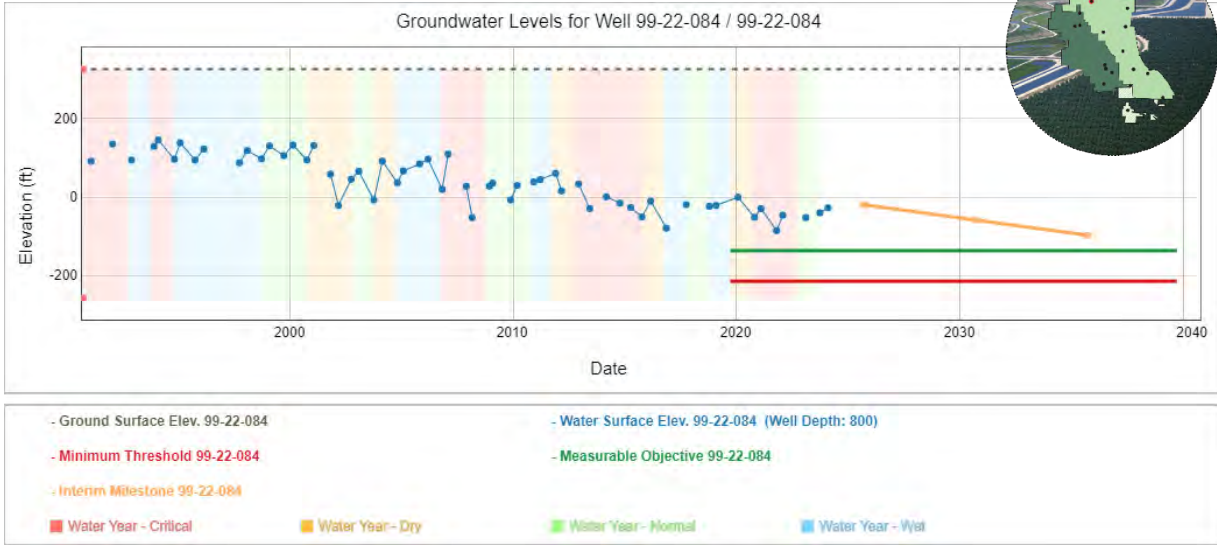
Groundwater Level Monitoring

2024 Spring water level measurements were collected on February 13th, 2024. Compared to the 2023 Fall measurements, groundwater levels are starting to increase across most of North Kern management area but still no change in the Rosedale Ranch management area. **Table 1** presents a summary of water level measurements, seasonal change in each well, and historic lows. Hydrographs with water level trends and sustainable management criteria exported from the Kern Subbasin Data Management System are attached for all SGMA representative wells.

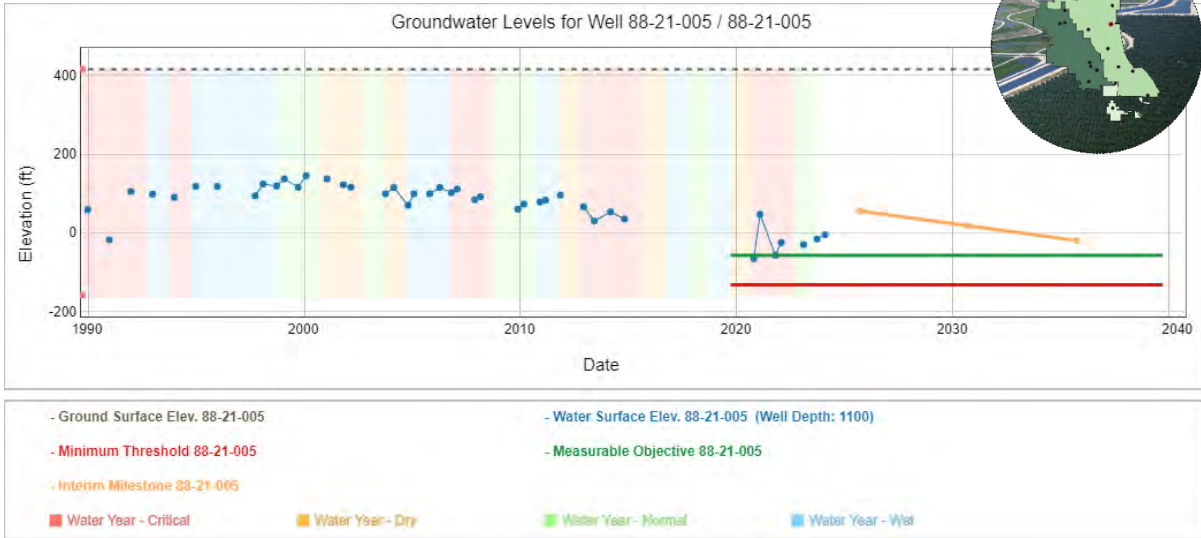
Table 1. SGMA Monitoring Network Wells Seasonal Water Level Change

Well	Depth to Water (feet bgs)			2023 Seasonal Change	2023 - 2024 Spring Changes	Historic Low	
	Spring 2023	Fall 2023	Spring 2024			bgs	Year
99-22-084	380	368	355	-12	25	419	2022
88-29-014	414	461	392	47	22	472	2015
88-21-005	447	500	422	53	25	500	2022
99-00-081	399	443	388	44	11	443	2022
88-09-009	421	453	407	32	14	456	2015
Shafter 18	380	399	-	19	-	399	2022
88-03-009R	396	435	379	39	17	435	2022
99-00-003	299	320	282	21	17	326	2015
RRID 3361-62	321	318	320	-3	1	321	2023
RRID DW097	279	280	278	1	1	291	2018

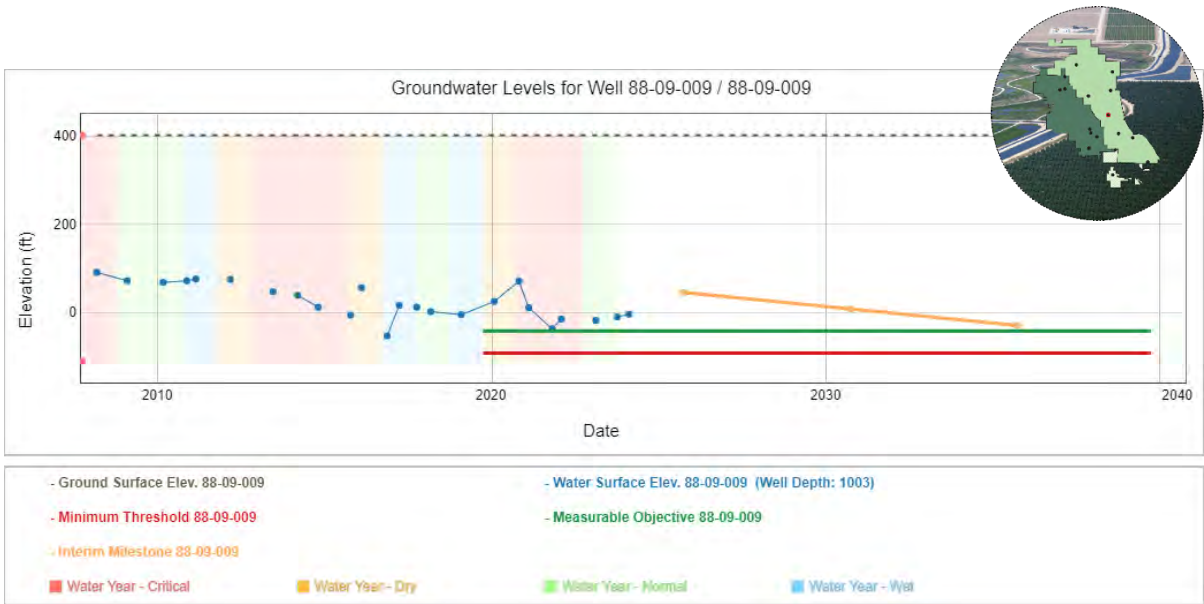
North Kern Water Storage District Hydrographs with Spring Water Level Measurements



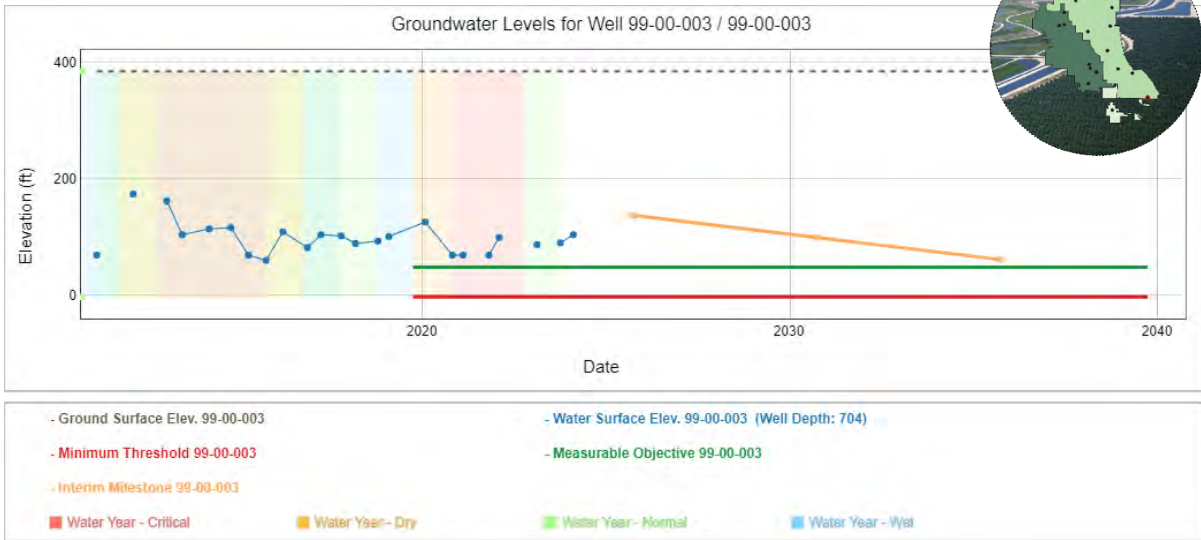
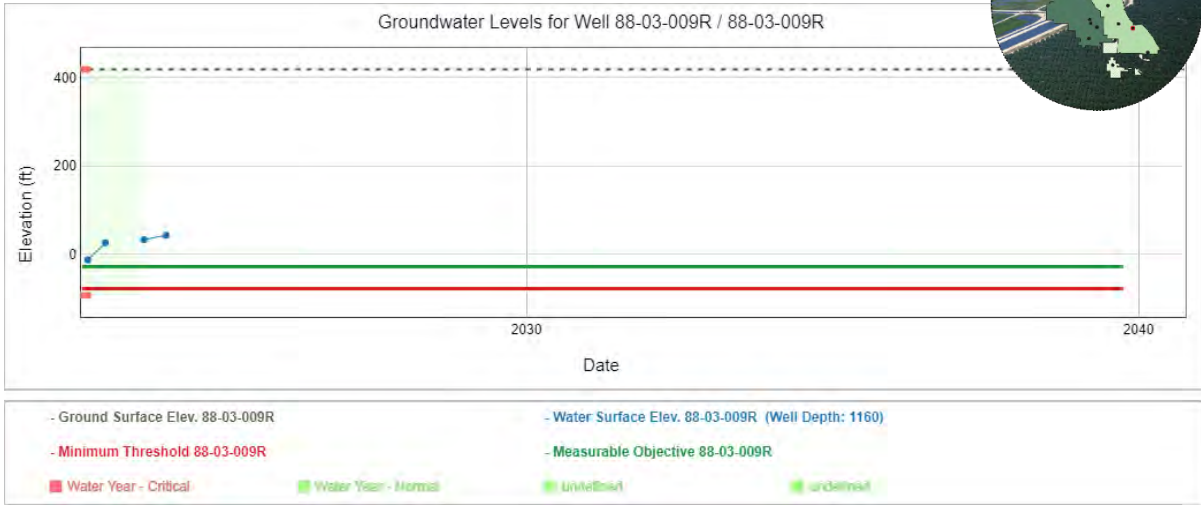
North Kern Water Storage District Hydrographs with Spring Water Level Measurements



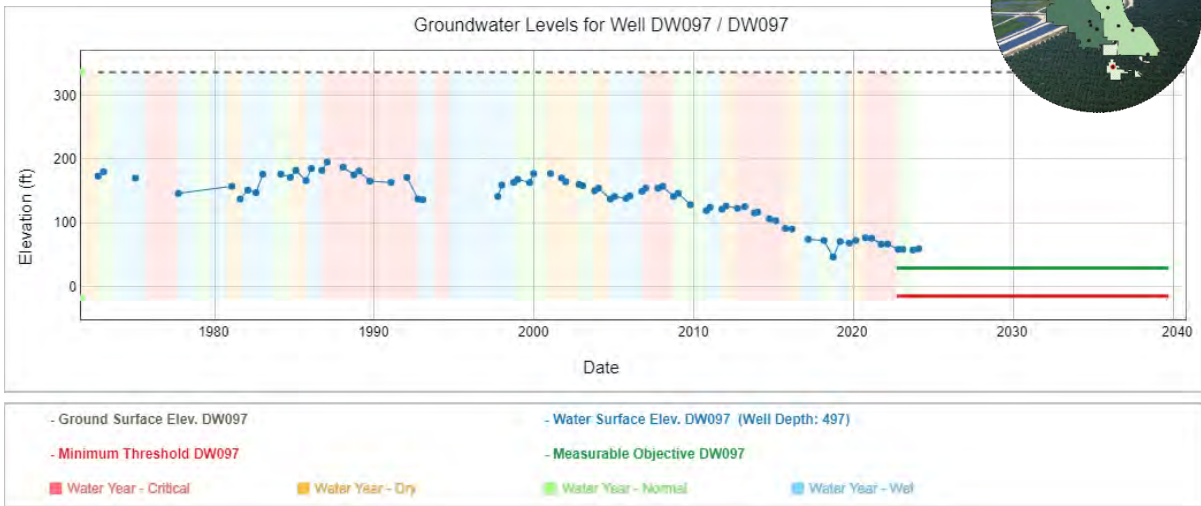
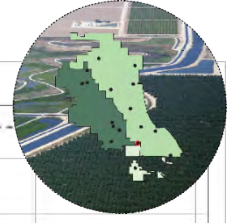
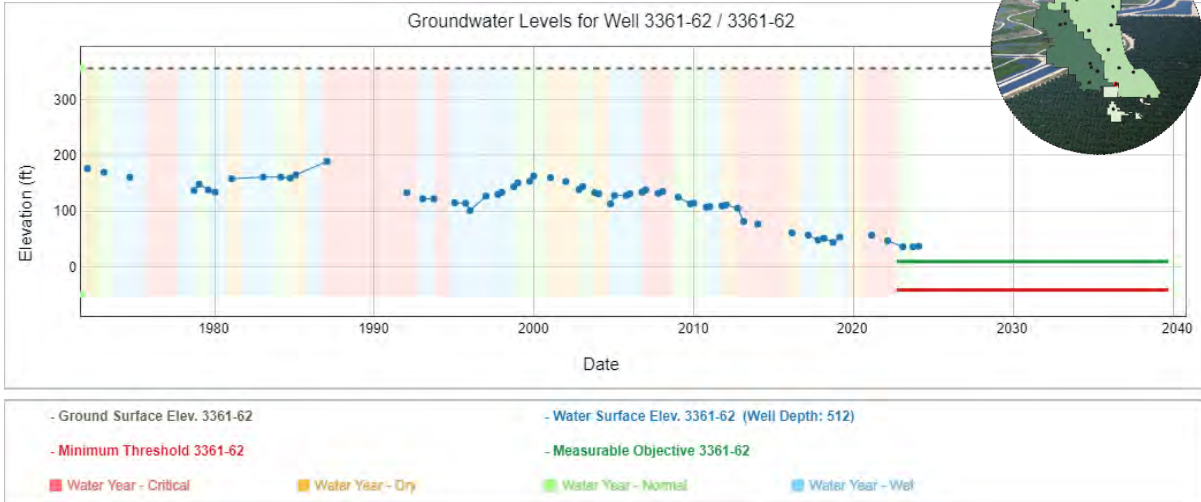
North Kern Water Storage District Hydrographs with Spring Water Level Measurements



North Kern Water Storage District Hydrographs with Spring Water Level Measurements



North Kern Water Storage District Hydrographs with Spring Water Level Measurements



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NORTH KERN WATER STORAGE DISTRICT

March 13, 2024

TO: GROUNDWATER COMMITTEE
Directors Camarena and Holtermann, Alternate Glende

FROM: David Hampton and Ram Venkatesan

RE: Letter of Intent to Engage Self-Help Enterprises to Administer Kern County
Subbasin Well Mitigation Plan

RECOMMENDED MOTION:

“Approve draft Letter of Intent, as substantially presented, for proposed partnership between the Kern County Subbasin and Self-Help Enterprises for the administration of the Kern County Subbasin Amended Groundwater Sustainability Plan Well Mitigation Program.”

DISCUSSION:

As a necessary element of the revised Kern County Subbasin GSP(s), the Subbasin is developing a well mitigation program for those domestic and small community wells impacted by declining groundwater levels. Although the Subbasin is in the process of developing this program, it is necessary to start the engagement process with Self-Help Enterprises (SHE) to administer this program on behalf of the Subbasin and have both the program and the administrator information included in the revised GSP(s).

SHE is an organization that works with disadvantaged communities, cities, counties and rural residents to help provide healthy homes and communities for low income families including helping ensure safe drinking water. SHE has experience developing safe drinking water programs, often providing technical assistance and funding resources. Their familiarity with understanding drinking water issues, programs that provide short-term and long-term solutions, and the State’s concerns regarding access to safe drinking water makes them well qualified to administer the Subbasin’s well mitigation program.

Attached as Exhibit A is a draft Letter of Intent (LOI) to engage SHE for administration of the Subbasin well mitigation program. This is a noncommittal letter to support negotiations and

Groundwater Committee

Letter of Intent to Engage Self-Help Enterprises to Administer Kern County Subbasin Well

Mitigation Plan

Page 2 of 2

develop an agreement and obtain a cost estimate for their services. The recommendation is to approve the LOI as substantially presented.

Attachments:

Exhibit A – Draft Letter of Intent, Proposed Partnership between the Kern County Subbasin and Self-Help Enterprises, for the administration of the Kern County Subbasin Amended Groundwater Sustainability Plan(s) Well Mitigation Program

Exhibit A

DRAFT

Tami McVay
Self-Help Enterprises
P.O. Box 6520
Visalia, CA 93290

Re: Letter of Intent – Proposed Partnership between the Kern County Subbasin and Self-Help Enterprises, for the administration of the Kern County Subbasin Amended Groundwater Sustainability Plan(s) Well Mitigation Program

Dear Tami,

Please let this letter serve as a Letter of Intent (LOI) for interest in partnership between the Kern County Subbasin (“Subbasin”), comprised of the individual Groundwater Sustainability Agencies and Management Areas (“GSA/MA”) and Self Help Enterprises (SHE) for SHE to administer the Subbasin’s Well Mitigation Program (“Program”) as described in the amended Kern County Subbasin Groundwater Sustainability Plan(s), anticipated for submittal and review by the Department of Water Resources and State Water Resources Control Board in May 2024.

This LOI outlines those certain terms and conditions under which the Subbasin would consider under an agreement with SHE to provide Program services for domestic well owners and small community water systems who have lost access to potable water or are experiencing water quality issues caused by declining groundwater levels. This LOI does not contain all the material terms of the proposed transaction and is not intended to, nor does it create a binding agreement. A binding agreement shall occur upon the mutual execution and delivery of a contract services agreement (“Agreement”) which sets forth all terms and conditions related to the Program. Neither Party (Subbasin or SHE) will have any obligation to execute said Agreement.

Upon SHE’s acknowledgment of the LOI, the terms described herein are intended to support negotiations to develop an Agreement and would include the following components:

1. Area of Service.
Kern County Subbasin, including the individual GSAs/MAs (Basin Number 5-22.14, DWR Bulletin 118).
2. SHE services.
 - a. Program Service activities shall be provided to either domestic or small water system wells (“potable wells”) as defined by the State of California.
 - b. Emergency Bottled Water – Upon notice that a well user has lost access to water, SHE distributes 2 weeks’ worth of bottled drinking water to the household within 24 hours providing 1 gallon per capita per day (gpcd).
 - c. Well Assessment – SHE staff conducts an on-site assessment (within 72 hours) which includes review of well reports/documentation, confirming water source, checking for running water/water pressure, assessing well depth and groundwater level, inspecting electrical and above-ground components, inspecting any existing tank systems, identifying locations for new tank system placement, and developing a site map.

- d. Temporary Tanks and Hauled Water – If necessary, SHE arranges for installation of a temporary tank system and routine delivery of hauled potable water to the site (within 72 hours) providing 47 gpcd. Repair and maintenance services are provided to the system until removal.
 - e. Ongoing Bottled Water – SHE coordinates ongoing deliveries of bottled drinking water (1 gpcd) until a long-term solution is in place.
 - f. Long-Term Solutions – SHE finances the well owners’ cost-share (refer to depreciation schedule in 6e) for pump lowering, well replacement, and service connections to nearby water systems (whenever feasible) to restore long-term water access to the home.
3. Program Administration Services. SHE shall serve as the point of contact for receiving and processing claims, coordinating with the appropriate GSA/MA, emergency water services, and public outreach prioritizing campaigns guided towards preclusion of dry well issues.
 4. Program Funding. Program Service costs (“Budgets”) for administration and general overhead shall be funded by the Subbasin and shall be paid annually to SHE at the beginning of each calendar year along with projected Program Service activities expected in each GSA/MA. Funding for the Program shall be reconciled at year-end.
 5. Party Collaboration. Throughout the term of the Program Services, SHE shall provide continuous collaboration with the Subbasin as established herein:
 - a. Coordination with GSAs/MAs to establish cost savings measures, including potable water fill stations, related equipment, and bottled water storage.
 - b. Collaboration with other Subbasin partners involved in related activities such as: Kern Water Collaborative, Water Association of Kern County, Purveyors, well drillers, pump companies, and Kern County Environmental Health Department.
 6. Services Coordination. Throughout Program Services Term, SHE shall implement continuous coordination efforts with the Subbasin as established herein:
 - a. Notify the applicable GSA/MA of emergency bottled water and tank and hauled water service requests.
 - b. Coordinate all Claim assessment activities with the applicable GSA/MA.
 - c. Ensure any funded solutions are according to qualification criteria set by the Subbasin.
 - d. Coordinate all domestic groundwater well repair, replacement, and/or connection plans with the applicable GSA/MA. Plan to be offered to well owner within 14 days.
 - e. Utilize the following depreciation schedules to identify costs to be borne by well owner as part of the Claim process:
 - i. 50 years for potable wells; and
 - ii. 15 years for all potable well equipment repair and replacements.
 - f. Facilitate execution of GSA/MA provided release of liability agreements.
 7. Terms. Initial term of arrangement shall be between 2 and 5 years, with the goal of implementation of outreach services beginning January 1, 2025, and anticipated Program Services beginning January 1, 2025. Both Parties agree and acknowledge that should the State declare a drought emergency, implementation dates may be subject to change.

This LOI is an expression of understanding and intention only and, if acknowledged below, will provide guidance for the drafting of the Agreement. If SHE is interested in this proposal and opening negotiations

on an agreement, please have SHE’s representative acknowledge that fact by signing this letter below. We look forward to hearing from you.

ACKNOWLEDGMENT: Self-Help Enterprises

Signature

Printed Name

Date

DRAFT

Authorized by:

Derek Yurosek, Director

Arvin GSA

DYurosek@bolthouseproperties.com

Terry Chicca, Board President

Buena Vista GSA

TChicca@aol.com

David Halopoff, Assistant General Manager

Cawelo Water District

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Bob Smith, City Councilmember

City of Bakersfield

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Chad Hathaway, President

Eastside Water Management Area

chathaway@hathawayllc.com

Jeof Wyrick, President, Chairman

Henry Miller GSA

jwyrick@jgboswell.com

Dave Beard, ID4 Manager

Improvement District No. 4

dbeard@kcwa.com

Rodney Palla, Board Chair

Kern Delta Water District

rodney@rpfarms.com

Jonathan D. Parker, General Manager

Kern Water Bank Authority

JParker@kwb.org

Skye Grass, General Manager

Kern-Tulare Water District

skye@kern-tulare.com

James L. Nickel, President

Olcese GSA	jlnickel@nflc.net Kevin Andrew, Board President
North Kern Water Storage District	kandrew@illumag.com Tom McCarthy, General Manager
Pioneer GSA	tmccarthy@kcwa.com Dan Bartel, Engineer-Manager
Rosedale-Rio Bravo Water Storage District	dbartel@rrbwsd.com Dan Waterhouse, Board President
Semitropic Water Storage District	dan@neuhousefarms.com Randy Bloemhof, Board Member
Shafter-Wasco Irrigation District	randy@supremealmonds.com Randy Bloemhof, Board Member
7th Standard Annex	randy@supremealmonds.com Roland Gross, General Manager/Secretary
Southern San Joaquin Municipal Utility District	roland@ssjmud.org Angelica Martin, Board of Directors Secretary
Tejon-Castac Water District GSA	amartin@tejonranch.com Greg Hammett, General Manager
West Kern Water District	ghammett@wkwd.org Mark Gilkey, General Manager
Westside Water Authority	mgilkey@westsidewa.org Dennis Atkinson, President
Wheeler Ridge-Maricopa GSA	dalaska2019@gmail.com

P.O. Box 81435
Bakersfield, CA 93380-1435
Administration
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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

March 13, 2024

TO: GROUNDWATER COMMITTEE
Directors Camarena and Holtermann, Alternate Glende

FROM: David Hampton and Ram Venkatesan

RE: Consider Proposal for Data Collection and Modeling to Support Subsidence
Mitigation Cost Analysis for the Friant-Kern Canal

RECOMMENDED MOTION:

“Approve Proposal for Additional Data Collection and Modeling to Support Subsidence Mitigation Cost Analysis for the Friant-Kern Canal (FKC) and authorize North Kern Water Storage District (District) to be the lead agency and execute the Master Technical Services Agreement with Intera Incorporated for an amount not to exceed \$120,000.”

DISCUSSION:

Subsidence along the FKC within the Kern County Subbasin (Subbasin) has impacted the capacity to deliver water to Friant Contractors and within the reach south of Poso Creek there is zero freeboard available to increase flows or to account for any future subsidence and additional flow restrictions. The FKC is defined as one of the two Regional Critical Infrastructures in the Subbasin which has been jointly addressed by all GSAs and water agencies for GSP coordination efforts.

Unlike the FKC, the California Aqueduct does have additional freeboard to accommodate some level of future subsidence. The FKC is the only critical infrastructure that is necessary to consider canal mitigation in order to account for potential future subsidence or otherwise a significant portion of the Subbasin will need to stop overdraft pumping to mitigate decreasing groundwater levels in and around the FKC. The Friant Water Authority has stated that additional subsidence on the FKC is unacceptable unless it is mitigated.

At this time, proposed FKC mitigation is to raise the FKC liner up to 2 to 3 feet along a total length of a 9 miles based on projected potential subsidence by 2040. There are no clear costs estimates and there are many undetermined variables that could impact the cost and level of mitigation

Groundwater Committee

Consider Proposal for Data Collection and Modeling to Support Subsidence Mitigation Cost Analysis for the Friant-Kern Canal

Page 2 of 2

required. It is clear that the only mitigation required is to account for future subsidence and not historical subsidence. Based on recent mitigation costs occurring in the Middle Reach area the current rough estimated cost for our Subbasin mitigation is on the order of \$42 million.

This cost estimate is a significant burden to the Subbasin and creates a difficult question to answer regarding who should contribute and what proportionate share. The Subsidence Committee of the Technical Working Group, including Intera, has proposed using the Todd Groundwater model to determine how a management area's groundwater activities would impact the groundwater levels at the FKC and then apply the Stanford 1D model to forecast subsidence through 2040. It's understood that the groundwater model is not fully calibrated but it is the best information and option we have at this time in order to help understand how different management areas across the Subbasin might contribute to subsidence at the FKC and how the mitigation cost could be attributed. As the model is improved or upgraded the attributions could be adjusted accordingly in the future.

The Intera proposal (Exhibit A) was initially presented as a potential scope of work modification for the Subbasin single GSP development that the full Subbasin is currently funding. Unfortunately, some entities believe they do not and should not contribute to this proposed effort either due to their relatively remote location, water budget balance, or some combination of both. Some argued this continues to be a Subbasin issue and should be a basin effort but there was a counter argument to make this a special activity for those that wanted to participate.

The proposed work is an important key effort for the FKC subsidence issues and the District and the other NCK GSA members believe this work needs to begin as soon as possible. Accordingly, the District has proposed to take the lead on this project, enter into a contract directly with Intera, and develop a cost share agreement with other willing entities. Currently about 13 of the 22 entities have indicated they are willing to participate with varying levels of funding contributions. The potential worst case risk for the District is being liable for the full proposal estimate of \$120,000 but the other NCK members have committed to participating and therefore reducing the risk to about \$24,000 for each NCK member. The most likely scenario is that 13 entities participate and the District's net cost share would be up to \$15,300.

Because of the importance of this work, the recommendation is to approve the Intera February 22, 2024 Proposal for up to \$120,000, authorize the District to take the lead on this project, execute the Master Technical Services Agreement with Intera (Exhibit B), and to develop and provide a cost sharing agreement, pending legal review, to be executed with all participants.

Attachments:

Exhibit A - Proposal for Additional Data Collection and Modeling to Support Subsidence Mitigation Cost Analysis for the Friant-Kern Canal (FKC), February 22, 2024

Exhibit B - Master Technical Services Agreement, Intera Incorporated



Proposal for Additional Data Collection and Modeling to Support Subsidence Mitigation Cost Analysis for the Friant Kern Canal

Additional data-collection, analysis, and modeling is necessary to evaluate future impacts on water levels and subsidence along the Friant Kern Canal (FKC) from groundwater pumping in different GSAs within the Kern Subbasin. This data collection and analysis was not included in the original scope and budget to support GSP revisions, as the previous sustainable management criteria for the FKC had not accounted for conveyance loss from future subsidence. Any unmitigated conveyance loss due to subsidence along the FKC has been deemed an “undesirable result” under SGMA by the Friant Water Authority (FWA). Hence, mitigation alternatives to raise the liner (and associated infrastructure) along the sagging sections of the canal are being evaluated currently. A cost-sharing framework is being developed to fund these future mitigation efforts. The cost-sharing framework will entail attributing costs based on future impacts on water levels and subsidence along sagging sections of the FKC from groundwater pumping in different GSAs. This proposal outlines the approach and cost involved with the data-collection, analysis, and modeling for this effort.

Task 1. Recover and survey elevations at selected benchmarks

Perform GPS RTK survey methods at eight benchmark sites near the FKC to obtain ellipsoid and orthometric elevations processed through NOAA's Online Positioning User Service (OPUS). For benchmarks located in areas where direct GPS observations are not possible, a nearby reference mark will be established, and conventional leveling will be used to determine the elevation of the benchmark.

Estimated Cost: \$12,000

Task 2. Analyze and prepare long-term groundwater level and subsidence time series data and figures

Evaluate water-level data from the current period and historical water-level data near the FKC to provide a time series of data for the 1D model (Task 3) and to determine the pre-consolidation head and current critical head at eight selected locations of geodetic control (benchmarks). A time series of leveling data from benchmarks monumented by the National Geodetic Survey, U.S. Geological Survey, U.S. Bureau of Reclamation, and California Department of Transportation will be constructed from blue-booked leveled elevations and recoveries. Data compiled from the CASGEM, DWR water data library, and USGS will be used near the benchmark sites to construct a time series of water level data at various depth intervals. Approximately 75% of this data has already been collected as part of the development of the subsidence sustainable management criteria (SMCs). The cost below is for *additional* data collection and analysis to support the 1D modeling under Task 3.

Estimated Cost: \$10,000

Task 3. Subsidence analysis using the Stanford 1D model

Use the Stanford 1D model to forecast subsidence through 2040 or other desired planning timeframe to connect water levels and subsidence along the Friant Kern Canal (FKC). The model will be calibrated to the long-term subsidence and groundwater level data from Task 2. Well-log data will be compiled for each of the 8 sites to estimate the number and thickness of clay interbeds.

Estimated Cost: \$35,000

Task 4. Updated model analysis of water level changes by GSA

Use updated IWFM-Kern model (currently being updated by Todd Groundwater to support the GSP revisions) to evaluate change in groundwater levels through 2040 or other desired planning timeframes to simulate future change in water levels under a range of different scenarios with GSAs within the Kern subbasin pumping at different rates to assess impacts on future water levels along the Friant Kern Canal. INTERA will work with Todd Groundwater to perform the water level scenarios. Water level results from the scenarios will be linked to the 1D subsidence model (Task 3) to translate water level impacts to subsidence impacts along the FKC. The 1D subsidence model is necessary since the IWFM-Kern model has not been calibrated to subsidence. This task assumes multiple iterations to support the determination of potential attribution of water level and subsidence impacts along the FKC. Relative contribution to future water level declines and subsidence along the most vulnerable reaches of the FKC would be the basis for the cost-sharing framework between the GSAs determined to be contributing to water level declines and subsidence along the FKC.

Estimated Cost: \$60,000

Task 5. Meetings and Presentations

Results from the evaluation will be presented to the Kern Subbasin subsidence sub-committee, GSA managers, and coordination committee. The analysis will also be presented to the Friant Water Authority to get their buy-in on the approach and results. The analysis will be documented in a technical memorandum that may be used as an attachment to the Kern Subbasin revised GSP to document the FKC mitigation alternative.

Estimated Cost: \$3,000

Total Cost and Schedule

The total cost for the scope above is estimated to be **\$120,000**. Tasks 1-3 can be completed within 3 months of notice to proceed. Task 4 and 5 will require 3 additional months (including the time for presentation at various committee meetings) from receiving revised IWFM-Kern model files from Todd Groundwater. It is anticipated that the IWFM-Kern model will be ready for the modeling analysis by the late summer (August, 2024) timeframe.

Exhibit B

MASTER TECHNICAL SERVICES AGREEMENT

THIS AGREEMENT ("Agreement") is made as of [Click here to enter a date](#). by **INTERA Incorporated**, ("INTERA") a Texas Corporation, and **North Kern Water Storage District**, ("NKWS" or "Client") a water storage district authorized under California law, with respect to technical services provided by INTERA to assist Client in evaluations pertinent to the Friant Kern Canal subsidence mitigation analysis and the Kern Subbasin Groundwater Sustainability Plan(s) in and around the Client area. Individually, INTERA and Client are sometimes referred to as a Party and collectively as Parties.

WHEREAS, Client desires INTERA to furnish certain technical, maintenance, construction, installation and/or related services ("Services") and INTERA is willing to do so, subject to the terms and conditions set forth herein.

WHEREAS, in certain situations, Client also desires INTERA to furnish certain equipment, materials and other goods (collectively "Goods") and INTERA is willing to do so, subject to the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of the premises and the mutual covenants and agreements hereinafter set forth, the Parties agree as follows:

ARTICLE 1. SCOPE OF SERVICES

Client desires INTERA to perform the Services and provide the Goods described in the applicable Work Order(s).

ARTICLE 2. TERM

The term of this Agreement will commence on 12 March 2024 and will continue until 12 March 2025 unless sooner terminated as provided in this Agreement.

ARTICLE 3. INVOICING AND PAYMENT

For performance of the Services, Consultant shall invoice Client for the compensation specified in each Work Order. This compensation will be invoiced to Client at monthly intervals along with reimbursables and will be due and payable by NKWS within 45 days following the date of the invoice. In the event that part of an invoice is in dispute, INTERA shall be compensated for the undisputed portion of the invoice according to the payment terms hereunder. If for any reason NKWS fails to pay INTERA in full within 45 days from the date of an invoice, NKWS will pay INTERA a late payment charge each month equal to one percent (1%) of any unpaid balance or the highest rate permitted by law, whichever is the lesser. If for any reason Client fails to pay INTERA in full within 60 days from the date of an invoice, INTERA may, at INTERA's sole option, (i) suspend its performance of Services and supply of Goods until all outstanding bills have been paid in full by NKWS, (ii) terminate this Agreement and any or all Work Orders and/or (iii) engage debt collection services/commence legal proceedings for the collection of unpaid and undisputed invoiced amounts. INTERA shall be entitled to recover, to the extent allowed by law, its costs and expenses, including reasonable attorney's fees, incurred in connection with all actions taken to obtain or enforce payment by NKWS of Client's obligations under this Agreement. Payment information is included on INTERA's invoice to Client. All invoices shall be properly supported by electronic timesheets, receipts, invoices, and/or other documents acceptable to and reasonably required by Client.

ARTICLE 4. REPRESENTATIVES

INTERA will cooperate with the Client and be subject to the direction and control of Client's designated representative. Client will designate a representative who will be the authorized representative of Client regarding this Agreement and Services and will inform INTERA promptly upon discovery of any aspect of the Services or Goods, which does not meet with Client's approval. INTERA will also designate a representative who will be responsible for the execution of the Services and the provision of Goods and will be the authorized representative of INTERA for this Agreement and each Work Order. Each party may designate a different representative for each Work Order or one representative for all Work Orders.

ARTICLE 5. RECORDS

For a period of one year after completion of each Work Order under this Agreement, INTERA will, upon written request of the Client, provide reasonable access to necessary supporting records and documentation.

ARTICLE 6. RELATIONSHIP OF THE PARTIES

6.1. Independent Contractor. INTERA will perform the Services as an independent contractor. INTERA acknowledges and agrees that no employer-employee relationship exists or is intended to be created between INTERA and Client. . INTERA shall be solely responsible for its employees, subcontractors, and agents, and for their compensation, benefits, insurance, and taxes, if any.

6.2. Assumption or Creation of Obligations or Responsibilities. Neither Party will have the right to assume or create obligations or responsibilities of any type in the name of the other Party unless expressly authorized to do so in writing by the Party taking on the obligation.

ARTICLE 7. SUBCONTRACTOR AND SUPPLIERS

INTERA will have the right to retain subcontractors and suppliers to assist INTERA in the performance of the Services and the provision of Goods under each Work Order.

ARTICLE 8. CONFIDENTIALITY AND RIGHTS IN DATA

8.1. Maintenance of Confidentiality. Information disclosed by one Party to the other Party, or by INTERA to the Districts or the Districts to INTERA during the performance of a Work Order may include the confidential or proprietary information of the disclosing Party and that Party's agents, subcontractors or suppliers. The Party receiving such information will keep it in confidence and will not furnish or otherwise disclose it to any third party during or after completion of the applicable Services for a period of five years. Neither Party will be obligated to maintain the confidentiality of any information designated by the other Party as confidential or proprietary if the information is disclosed pursuant to a governmental or legal requirement.

8.2. Provision of Information to INTERA. Client will promptly furnish INTERA with all information necessary for INTERA to perform the Services and supply the Goods. INTERA and its Subcontractors will be entitled to rely upon such information and upon information from generally acceptable reputable sources without independent verification in the performance of the Services or supplying of Goods.

8.3. Intellectual Property. INTERA will have the full title and all rights in and to (including the sole right to obtain patents on) any inventions made or conceived as a result of the performance of the Services. INTERA hereby grants to Client a royalty-free, nonexclusive license for Client to make, have made and use any such invention made or conceived as a result of the performance of the Services or supply of the Goods. All computer programs, applications, methods, mechanized design practices, layouts, and systems developed by INTERA during the term of an applicable Work Order or owned by INTERA on the effective date of this Agreement, will remain the exclusive property of INTERA. Except as otherwise provided in this Article 8, all reports, data, drawings, plans, specifications and other items delivered by INTERA (hereinafter referred to as "Reports") to Client under a Work Order will become the property of Client; however, INTERA is entitled to retain a file copy and utilize such Reports and the material in those Reports in the scope of INTERA's work and/or services for itself and others.

8.4. Report Reuse. Reports delivered by INTERA under a Work Order issued under this Agreement are not intended or represented to be suitable for reuse by Client of others for purposes other than those described in that Work Order, nor are they intended to be used by Client in other materials other than in their complete form. Any such reuse without written verification or modification by INTERA will be at Client's sole risk and without liability or legal exposure to INTERA, and Client shall indemnify and hold harmless INTERA from all claims, damages, losses and expenses including attorney's fees arising out of or resulting therefrom.

ARTICLE 9. TERMINATION

9.1. Client's Right to Terminate. Client may terminate i) one or more Work Orders or ii) this Agreement and All Work Orders upon 30 days prior written notice to INTERA, but such termination will not relieve the obligation to pay INTERA for expenses incurred, Services performed and Goods provided up to the date of termination and all reasonable expenses, which INTERA incurs related to the termination.

9.2. INTERA's Right to Terminate. INTERA may terminate i) one or more Work Orders or ii) this Agreement and All Work Orders upon 30 days prior written notice to Client, but such termination will not relieve INTERA of its obligation to provide Client with a copy of all Reports prepared up to the date of termination of the Agreement.

MASTER TECHNICAL SERVICES AGREEMENT

ARTICLE 10. INDEMNIFICATION, WARRANTY AND LIMITATION OF LIABILITY

10.1. INTERA's Indemnification of Client. INTERA will indemnify and hold harmless Client, its officers, employees, and agents (the "Client Indemnified Parties") from losses (including, but not limited to, reasonable attorneys' fees and expenses) of the Client Indemnified Parties

10.2. Client's Indemnification of INTERA. Client will indemnify and hold harmless INTERA, its officers, employees, agents, subcontractors and suppliers (the "INTERA Indemnified Parties") from losses (including, but not limited to reasonable attorneys' fees and expenses) of the INTERA Indemnified Parties to the extent caused by the 1) negligent acts or omissions of Client, 2) reckless acts or omissions of Client, 3) intentional misconduct of Client, 4) material misrepresentations of Client, 5) material breaches of contract or warranty by Client and 6) infringement of United States patents, copyrights and trademarks by Client (collectively, the "Actions"). Client's indemnification obligations shall not extend to any Actions undertaken by either District.

10.3. INTERA's Warranty. INTERA warrants that the Services will be performed, within the limits prescribed by Client, with professional thoroughness and competence.

10.4. Limitation of Liability. Notwithstanding anything to the contrary herein, as to both Parties and the Districts total cumulative liability for claims of any kind whether based in contract, tort (including negligence and strict liability), under any warranty, indemnification or otherwise, for any loss or damage arising out of or related to this Agreement, any Work Order or the performance of the Services or supply of Goods under this Agreement and any Work Order, will in no case exceed the compensation paid to INTERA by Districts for the Services under the applicable Work Order.

ARTICLE 11. INSURANCE

11.1. Insurance Coverage. Prior to commencing with the Services and at all times during the term of a Work Order, INTERA will provide and maintain in full force and effect, insurance of the types and with limits not less than those specified as follows:

11.1.1. Workers' Compensation Insurance in accordance with the statutory requirements of the State having jurisdiction over employees who are engaged in the Scope of Services, and Employer's Liability insurance of One Million Dollars (\$1,000,000) each accident; disease-each employee; and disease-policy limit.

11.1.2. Commercial General Liability Insurance with a per occurrence limit of One Million Dollars (\$1,000,000). This policy will include Contractual Liability coverage. This insurance will cover bodily injury to or death of persons, and/or loss of or damage to property.

11.1.3. Automobile (owned, non-owned or hired) Insurance with an each accident limit of One Million Dollars (\$1,000,000) for bodily injury and property damage liability.

11.1.4. Professional Errors and Omissions Insurance of One Million Dollars (\$1,000,000) for each occurrence per claim and in the aggregate.

11.2. Insurance Terms and Conditions. All insurance policies provided and maintained by INTERA will be underwritten by insurers which are rated "A VII" or higher by the most current edition of *Best's Key Rating Guide*, and which are authorized to write insurance in the state or states in which the Services are performed or where the Goods are provided.

ARTICLE 12. DISPUTE RESOLUTION

12.1. Negotiation. The Parties will attempt in good faith to resolve any dispute arising out of or relating to this Agreement or a Work Order promptly by negotiation between executives who have authority to settle the controversy. Any Party may give the other Party written notice of any dispute not resolved in the normal course of business. Within ten days after delivery of the notice, the receiving Party will submit to the other a written response. The notice and response will include (a) a statement of that Party's position and a summary of arguments supporting that position, and (b) the name and title of the executive who will represent that Party and of any other person who will accompany the executive in negotiations. Within 20 days after delivery of the initial notice, the executives of both Parties will meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary, to attempt to resolve the dispute. All reasonable requests for information made by one Party to the other will be honored. All negotiations pursuant to this clause are confidential and will be treated as compromise and settlement negotiations for purposes of applicable rules of evidence.

12.2. Mediation. If the dispute has not been resolved by negotiation as provided above within 30 days after delivery of the initial notice of negotiation, or if the Parties fail to meet within 20 days, the Parties will endeavor to settle the dispute by mediation under the International Institute for Conflict Prevention & Resolution ("CPR") Mediation Procedure in effect on the date of this Agreement, provided, however, that if one Party fails to participate in the negotiation as provided above, the other Party can initiate mediation prior to the expiration of the 30 days. Unless otherwise agreed, the Parties will select a mediator from the CPR Panel of Distinguished Neutrals.

12.3. Litigation. Any dispute arising out of or relating to this Agreement or a Work Order, including the breach, termination or validity thereof, which has not been resolved by mediation as provided above within 50 days after delivery of the initial notice of negotiation may be finally resolved by litigation.

12.4. The Client agrees to the joinder of any Subcontractor hired by INTERA to any proceeding under this Agreement that involves or may involve a Subcontractor's Services.

ARTICLE 13. NOTICES

Any notice, request, demand or other communication related to this Agreement or Work Order will be in writing and will be considered duly made three calendar days after the date of deposit in the U.S. Mail, by certified mail, return receipt requested, postage prepaid, addressed to the applicable Party at the following address or when delivered, if delivered by hand or transmitted by teletype to the other Party at the following addresses or facsimile numbers:

If to INTERA: INTERA Incorporated
Attn: George Westbury, Director of Contracts
9600 Great Hills Trail, Suite 300W
Austin, TX 78759

Telephone: 512.425.2000
Email: gwestbury@intera.com

If to Client: North Kern Water Storage District
Attn: David Hampton
33380 Cawelo Ave,
Bakersfield CA 93308
Telephone: (661) 393-2696
Email: dhampton@northkernwsd.com

Either Party may change its address or numbers for receiving notices by giving written notice of the change to the other Party.

ARTICLE 14. MISCELLANEOUS

14.1. Title to Goods. Title to and risk of loss of or damage to Goods will pass to Client upon delivery of the Good to Client.

14.2. Force Majeure. Neither Party will be considered in default in the performance of its obligations hereunder to the extent that the performance of any such obligation is prevented or delayed by any cause, which is beyond the reasonable control of and could not have been anticipated by the affected Party, including, but not limited to, acts of God, storms, floods, fire, strikes, boycotts, other labor disputes, riots, thefts, accidents, acts or failures to act by the other Party; and acts or failures to act by any non-Party government or government agency; provided, however, that any obligation to make payment hereunder will not be extended for any reason. Upon the occurrence of a situation as described above, the time for performance by either Party to this Agreement of its obligations will be extended by a period of time equal to the time lost because of such situation; provided, however, that prompt notice of such a situation will be provided to the other Party and reasonable efforts will be used to mitigate the adverse impact of such a situation.

14.3. Responsibility for Taxes. INTERA acknowledges that NKWSD will be responsible for and will pay any taxes due to any agency arising out of or under this Agreement or a Work Order or the Services and Goods provided except for those taxes levied upon the net income, gross receipts, real, or personal property of INTERA.

14.4. Assignment. Neither this Agreement and any Work Orders nor any rights or obligations under this Agreement and any Work Orders will be assigned or otherwise transferred by a Party without the prior written consent of the other Party except that INTERA may assign all or a portion of the obligation to furnish Services or Goods under a Work Order to a subcontractor or supplier without the prior written consent of the Client.

14.5. Waiver. The failure of either Party to exercise any right under this Agreement or any Work Order or to take any action permitted will not be deemed a waiver of any right in the event of a subsequent breach of a like or different nature.

14.6. Entire Agreement. The terms and conditions set forth in this

MASTER TECHNICAL SERVICES AGREEMENT

Agreement and a signed Work Order are intended by both Parties to constitute the final and complete statement of their agreement with respect to the subject matter of this Agreement and Work Order(s), and all prior proposals, communications, negotiations, agreements, understandings and representations relating the subject matter of this Agreement and Work Order(s) are hereby superseded. No modification or amendment of this Agreement or Work Order(s) will be effective unless the same is in writing and signed by both Parties.

14.7. Third Party Beneficiaries. Except as expressly provided to the contrary in this Agreement or Work Order(s) this Agreement does not and is not intended to confer any rights or remedies upon any person other than the Parties.

14.8. Law and Venue. This Agreement and Work Order(s) will be governed by and interpreted in accordance with the laws of the State of California and exclusive venue shall be in a court of competent jurisdiction in Kern County, California. .

14.9. Severability. The invalidity or unenforceability of any provision of this Agreement and any Work Order will not affect the validity or enforceability of any other provision of this Agreement or Work Order(s), each of which will remain in full force and effect.

14.10. Captions. The Articles and Section captions in this Agreement are for convenience of reference only, do not constitute part of this Agreement and will not be deemed to limit or otherwise affect any of the provisions in the Agreement. Similarly, any captions in a Work Order are also for convenience and reference only, do not constitute part of the Work Order and will not be

deemed to limit or otherwise affect any of the provisions in the Work Order.

14.11. Construction. The Parties to this Agreement and any Work Order participated jointly in the negotiation and drafting of this Agreement and any Work Order. Therefore, in the event any ambiguity or question of intent or interpretation arises, this Agreement and any Work Order will be construed as if drafted jointly by the Parties and no presumption or burden of proof will arise favoring or disfavoring any Party by virtue of authorship of any of the provisions of this Agreement or any Work Order.

14.12. Counterparts. This Agreement and any Work Order may be executed in the original, by facsimile, by e-mail or by electronic signature in any number of counterparts, each of which shall be deemed an original and all of which together shall constitute one and the same instrument.

14.13. [RESERVED]

14.14. Survival. The provisions of Articles 5, 8, 10 and 12 and Sections 14.3 and 14.8 of this Agreement will survive the termination or cancellation of this Agreement and the completion of the Scope of Services under any Work Order.

14.15. Priority. To the extent of conflict between the terms of a signed Work Order and the signed Agreement, the terms of the signed Work Order shall govern.

14.16. Attachments. The following attachments are made a part of this Agreement for all purposes:

- Attachment A - Master Rate Schedule
- Attachment B - Work Order Form

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their duly authorized representatives as of the date first above written.

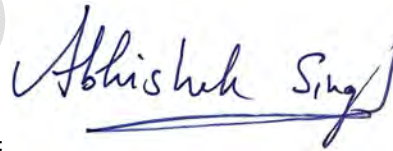
North Kern Water Storage District

INTERA Incorporated

By: _____

Printed Name: A. David Hampton

Printed Title: General Manager



By: _____

Printed Name: Abhishek Singh, PhD, PE

Printed Title: President – Water Resources & Supply, Line of Business

Project ID: **INSERT AJERA ID or get ID from Accounting**

MASTER TECHNICAL SERVICES AGREEMENT

ATTACHMENT A: MASTER RATE SCHEDULE

INTERA Labor Hourly Billing Rates - 2024

Labor Category	Rate (\$USD/hr.)
Principal Engineer/Scientist I	\$336
Principal Engineer/Scientist II	\$294
Principal Engineer/Scientist III	\$273
Senior Engineer/Scientist I	\$263
Senior Engineer/Scientist II	\$242
Senior Engineer Scientist III	\$230
Senior Engineer/Scientist IV	\$214
Engineer/Scientist I	\$203
Engineer/Scientist II	\$187
Engineer/Scientist III	\$171
Engineer/Scientist IV	\$155
Engineer/Scientist Intern	\$100
Senior Technician	\$163
Technician	\$105
Senior Technical Editor	\$152
Technical Editor	\$110
Senior CAD/Graphics Specialist	\$131
CAD/Graphics Specialist	\$105
Project Associate	\$105

There is a 15% mark up on other direct costs such as subcontractors, vendors, travel, and equipment. Mileage is reimbursed at the current IRS standard mileage rate. Rates are subject to annual escalations to be determined on an annual basis.

MASTER TECHNICAL SERVICES AGREEMENT

ATTACHMENT B: SAMPLE WORK ORDER FORM

CLIENT: _____

PROJECT or CONTRACT ID: _____

WORK ORDER NO: _____

1.0 SCOPE OF SERVICES:

2.0 TERM

The term of this Work Order will commence on _____ and will continue until _____ unless sooner terminated by the Client and as provided in the Master Agreement.

3.0 DELIVERABLES AND SCHEDULE

4.0 FEES/COMPENSATION/REIMBURSABLES

INTERA shall be compensated for work performed on either a Time and Materials or a Fixed Price basis as selected below:

TIME AND MATERIALS

FIXED PRICE

FIXED PRICE OR NOT TO EXCEED AMOUNT: _____

Inclusive of any applicable taxes?

YES

NO

5.0 DESIGNATED REPRESENTATIVES

CLIENT:

Printed Name: _____

Phone: _____

Email: _____

INTERA:

Printed Name: _____

Phone: _____

Email: _____

6.0 AUTHORIZATION

The Services and Goods in this Work Order shall be performed in accordance with the terms and conditions set forth in the Master Technical Services Agreement made on _____ between the Client and INTERA.

This Work Order is agreed and entered into on _____.

CLIENT

INTERA Incorporated

Printed Name: _____

Printed Name: _____

**NORTH KERN WATER STORAGE DISTRICT
Board Meeting**

Agenda Item 13A

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

March 12, 2024

TO: ENGINEERING COMMITTEE
Directors Ackerknecht and Camarena, Alternate Andrew

FROM: David Hampton, and Ram Venkatesan

RE: CEQA Adoption for the Rosedale Ranch Improvement District, R-3 Groundwater Recharge and Banking Project

RECOMMENDED MOTION:

“Adopt Resolution RR24-xx Adopting “Initial Study/Mitigated Negative Declaration for the Rosedale Ranch Improvement District, R-3 Groundwater Recharge and Banking Project”; Approval of the “Rosedale Ranch Improvement District, R-3 Groundwater Recharge and Banking Project”; Authorize District staff to file a “Notice of Determination”.

DISCUSSION:

As discussed at prior Board meetings, and as defined in the District’s Groundwater Sustainability Plan, the Rosedale Ranch Improvement District (“RRID”) is planning for direct groundwater recharge opportunities within RRID. The District is in discussion with RRID landowners to purchase land for potential recharge projects and last year provided a proposal to acquire two parcels located at the terminus of the District’s R-3 canal.

As the CEQA lead agency, the District prepared the Initial Study/Mitigated Negative Declaration (Exhibit “A”) for the proposed Project. As required by the CEQA Guidelines (under Section 15097 of Title 14 of the California Code of Regulations) the District will adopt a Mitigation, Monitoring, and Reporting Program (“MMRP”) (Exhibit “B”). As specified in Resolution 24-xx (Exhibit “C”), as required by CEQA a Notice of Intent was published in the Bakersfield Californian (Exhibit “D”), and the District provided for at least a 30-day public comment period. In addition, copies of the notice of availability and IS/MND were provided to the State Clearinghouse and other public agencies. The District received no comments on the IS/MND during the public review period.

Staff is requesting the Board adopt Resolution RR24-xx, approving the Rosedale Ranch Improvement District R-3 Groundwater Recharge and Banking Project, approving and adopting the IS/MND and MMRP, and authorize staff to file a Notice of Determination (Exhibit “E”).

Attachments:

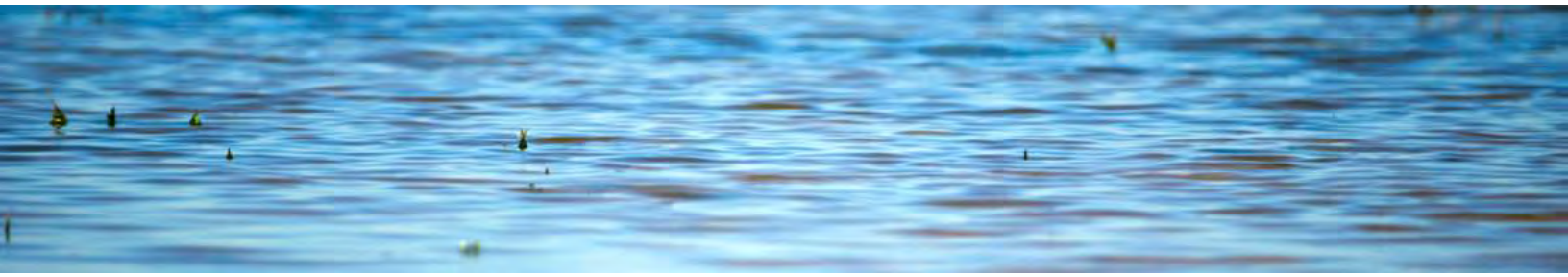
Exhibit "A": Initial Study/Negative Declaration

Exhibit "B": Mitigation, Monitoring, and Reporting Program

Exhibit "C": Proposed Resolution

Exhibit "D": Notice of Intent

Exhibit "E": Notice of Determination



Final Initial Study & Mitigated Negative Declaration

Rosedale Ranch Improvement District R-3 Groundwater Recharge and Banking Project

Prepared for:

Rosedale Ranch Improvement District



March 2024

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Final Initial Study & Mitigated Negative Declaration

Rosedale Ranch Improvement District R-3 Groundwater Recharge and Banking Project

Prepared for:

Rosedale Ranch Improvement District
33380 Cawelo Avenue
Bakersfield, CA 93308

Contact:

Mr. David Hampton
General Manager
661-393-2696

Prepared by:

GEI Consultants
5001 California Avenue, Suite 120
Bakersfield, CA 93309

Contact:

Nicholas Tomera
Senior Planner
760-795-1970

March 2024

Project No. 2305132

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Abbreviations and Acronyms

AF	acre-feet
AFY	acre-feet per year
BMPs	best management practices
BPS	best performance standards
Caltrans	California Department of Transportation
CARB	California Air Resource Boards
CAAQS	California Ambient Air Quality Standards
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CGS	California Geological Survey
CH ₄	methane
CDFW	California Department of Fish and Wildlife
CFGF	California Fish and Game Code
CNDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CO	carbon monoxide
County	Kern County
CRHR	California Register of Historical Resources
CVRWQCB	Central Valley Regional Water Quality Control Board
CWA	Clean Water Act
dBA	a-weighted decibels
DTSC	Department of Toxic Substances Control
District	Rosedale Ranch Improvement District
DOC	Department of Conservation
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
ESA	Federal Endangered Species Act
FKC	Friant-Kern Canal
GEI	GEI Consultants, Inc.
GHG	greenhouse gas
HCP	Habitat Conservation Plan
HFCs	Hydrofluorocarbons
IS/MND	Initial Study/Mitigated Negative Declaration

Ksat	saturated hydraulic conductivity
Leq	equivalent continuous sound level in decibels
LRA	Local Responsible Area
MCL	Maximum Contaminant Level
MLD	Most Likely Descendant
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NKWSO	North Kern Water Storage District
NO ₂	nitrogen dioxide
N ₂ O	nitrous dioxide
NPDES	National Pollutant Discharge Elimination System
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historic Places
O ₃	ozone
PFCs	Perfluorocarbons
PG&E	Pacific Gas and Electric
PM	particulate matter
PM ₁₀	particulate matter less than 10 microns in diameter
PM _{2.5}	particulate matter less than 2.5 microns in diameter
Porter-Cologne Act	Porter-Cologne Water Quality Control Act
PRC	Public Resources Code
proposed Project Reclamation	R-3 Groundwater Recharge and Banking Project U.S. Bureau of Reclamation
RRID	Rosedale Ranch Improvement District
RPA	registered professional archaeologist
SAGBI	Soil Agricultural Groundwater Banking Index
SF ₆	sulfur hexafluoride
SGMA	Sustainable Groundwater Management Act
SJVAB	San Joaquin Valley Air Basin
SJVAPCD	San Joaquin Valley Air Pollution Control District
SSJVIC	South San Joaquin Valley Information Center
SO ₂	sulfur dioxide
SMARA	Surface Mining and Reclamation Act of 1975
SPAL	Small Project Analysis Level
SR	State Route
State Water Board	State Water Resource Control Board
SSURGO	Soil Survey Geographic Database
SWP	State Water Project

SWPPP
TCP
UCD
USFWS

Stormwater Pollution Prevention Plan
1,2,3-Trichloropropane
University of California, Davis
U.S. Fish and Wildlife Service

1.0 Introduction

The Rosedale Ranch Improvement District (RRID, District, Rosedale Ranch) has prepared this Initial Study/proposed Mitigated Negative Declaration (IS/MND) in compliance with the California Environmental Quality Act (CEQA) (Public Resources Code 21000–21189) and CEQA Guidelines (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000–15387) to address the potentially significant environmental impacts of the proposed R-3 Groundwater Recharge Project (proposed Project or Project) in Kern County, California (County). The District is the lead agency under CEQA.

A draft IS/MND was released for public comment on January 25, 2024. No comments were received. The District’s Board of Directors will consider the IS/MND and the entirety of the administrative record for the Project, and will make a determination whether or not to adopt the proposed MND and a Mitigation Monitoring and Reporting Program, and whether or not to approve the proposed Project.

1.1 Summary of Findings

Chapter 3 of this document contains the analysis and discussion of potential environmental impacts of the proposed Project. Based on the issues evaluated in that chapter, it was determined that the proposed Project would result in no impacts on the following issue areas:

- Land Use and Planning
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Wildfire

The proposed Project would result in less than significant impacts on the following issue areas:

- Aesthetics
- Agriculture and Forestry Resources
- Energy
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Mineral Resources
- Noise
- Utilities and Service System

The proposed Project would result in less than significant impacts *after* mitigation implementation on the following issue areas:

- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hydrology and Water Quality

1.2 Other Key Public Agencies Relying on this IS/MND

CEQA requires that state and local governmental agencies consider the environmental effects of projects over which they have discretionary authority before taking action on those projects (Public Resources Code [PRC] Section 21000 et seq.). CEQA also requires that each lead agency avoid or mitigate to less than significant levels, wherever feasible, the significant environmental effects of projects it approves or implements. There are no other key public agencies relying on this IS/MND.

1.3 Document Organization

This document contains the information required under CEQA:

Chapter 1, Introduction. This chapter describes the purpose of the IS/MND, summarizes findings, and describes the organization of this IS/MND.

Chapter 2, Project Description. This chapter describes the Project location and background, Project need and objectives, Project characteristics, construction activities, Project operations, and discretionary actions and approvals that may be required.

Chapter 3, Environmental Checklist This chapter includes a proposed MND which briefly summarizes the proposed Project, summarizes the environmental conclusions, and identifies that mitigation measures would be implemented in conjunction with the proposed Project. Chapter 3 also presents an analysis of environmental issues identified in the CEQA environmental checklist and determines whether Project implementation would result in no impact, less than significant impact, less than significant impact with mitigation incorporated, potentially significant impact, or significant impact on the physical environment in each topic area. Should any impacts be determined to be potentially significant or significant, an Environmental Impact Report (EIR) would be required. For this proposed Project, however, mitigation measures have been incorporated as needed to reduce all potentially significant and significant impacts to a less than significant level.

Chapter 4, References. This chapter lists the references used to prepare this IS/MND.

Chapter 5, Report Preparers. This chapter identifies report preparers who contributed to the preparation of this document.

2.0 Project Description

2.1 Project Background

Rosedale Ranch Improvement District (RRID, Rosedale Ranch, District), located in the southern portion of California's San Joaquin Valley, proposes to construct and operate an approximately 110-acre groundwater recharge facility north of Kratzmeyer Road and east of Mendota Street (**Figures 2-1 and 2-2**). The R-3 Groundwater Recharge and Banking Project (proposed Project or Project) will provide the District with operational flexibility to utilize available surface water supplies for recharge during wet years for utilization in dry years. The facility will be connected to the District's existing conveyance system.

RRID consists of a total of 9,500 acres, with most of its area located south of 7th Standard Road. This area was originally annexed into North Kern Water Storage District (NKWSD) in 1966, but the annexation did not extend to lands within RRID any rights to NKWSD's surface water supplies. Groundwater is the principal source of water for meeting irrigation demands within RRID. Subsequently, an irrigation distribution system was built to serve all developed land. In 1980, these lands were organized as an Improvement District, with one of its purposes to contract for water supplies to be distributed to the lands within RRID for either irrigation or for groundwater recharge. The Improvement District acquired a system of a canal-based irrigation distribution system capable of serving the developed land (within the Improvement District) with supplemental surface water supplies from NKWSD when available, thereby facilitating occasional in-lieu recharge and conjunctive-use operations.

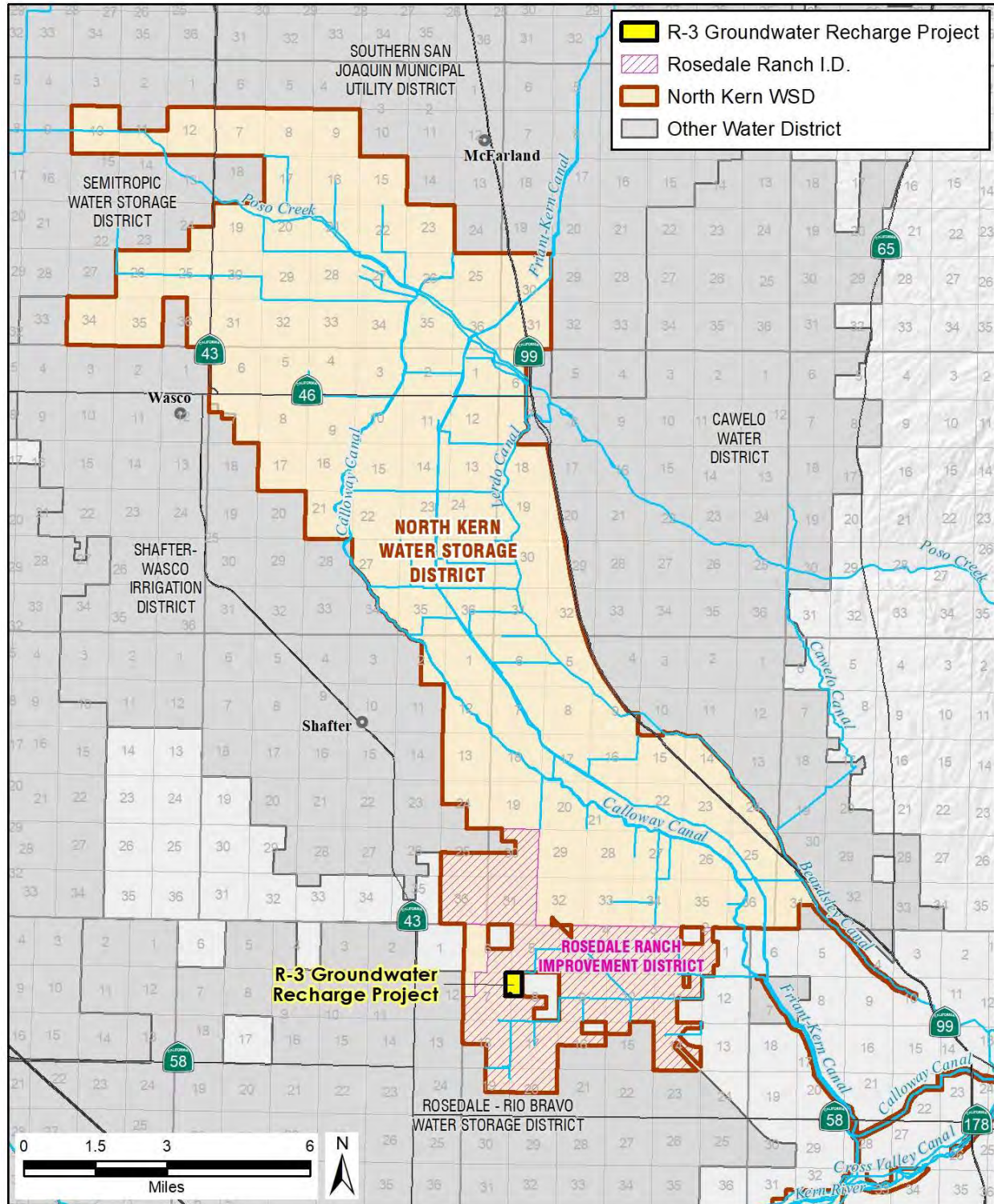
Lands currently included within the boundaries of RRID total approximately 9,500 assessable acres, most of which are developed to irrigated agriculture. Based on Department of Water Resources surveys, total irrigated acreage in RRID is approximately 7,600 acres in 2014, with a little more than 5,000 acres in permanent crops (mostly nuts). Based on the District's 2014 land use survey, cropped acreage was distributed among the following six general crop categories: 69 percent deciduous, 1 percent field, 4 percent grain, 16 percent truck crops (i.e., crops that are grown on small plots of land and sold directly to consumers), and 10 percent vineyard.

Irrigated agriculture in the Rosedale Ranch area relies on pumped groundwater, which has been supplemented from time to time with surface water including the Kern River, flood water conveyed from the Friant-Kern Canal (FKC), or other imported water. The District's average historical groundwater use is 20,700 acre-feet (AF) and the net use considering the importation of surface supplies is 15,400 AF.

2.2 Project Objectives

The Project's objective is to increase conjunctive management in north-central Kern County by expanding the area's ability to accept surface water for groundwater recharge during periods when surface water is available. The Project would benefit groundwater users by improving groundwater management and quality. Water supply and energy savings would result from a general increase in groundwater elevations in the project area. The Project would be operated to provide a long-term benefit to the basin and aid in regional compliance with the Sustainable Groundwater Management Act (SGMA).

Figure 2-1. Rosedale Ranch Improvement District and Proposed Project Location.



Z:\Projects\2305132_NKWSD_RRID\2305132_G001_RegionalLocation.mxd
09Jan2024 RS

Source: GEI 2024

Figure 2-2. Project Area



Z:\Projects\2305132_NKWSR_RRID\2305132_G002_ProjectArea.mxd
18Dec2023 SI

Source: GEI 2024

2.3 Project Construction

2.3.1 Construction Methodology

Because the recharge facility was identified as a favorable location for groundwater recharge activities in wet periods for later recovery during drought, the District will acquire two parcels (Assessor Parcel Numbers 463-030-28 and 463-030-29) which total approximately 118 acres. The site selection is based a parcel assessment examined in a 2020 Recharge Feasibility Study. The parcels were identified as a favorable location for groundwater recharge activities due to high infiltration soil rates and close proximity to the District's existing conveyance system. Within these two parcels, the District will convert approximately 110 acres of land into recharge ponds; the remaining 8 acres, which include the R-3 Canal and structures along Kratzmeyer Road, will not be impacted.

The total Project area, including the construction footprint and equipment staging, will occur within the 110-acre site. The proposed groundwater recharge basin will consist of five ponds with earthen berms to direct the flow of water onto the site and facilitate even spreading. Interior ditches and channels will also be used to provide energy dissipation throughout the interior of the recharge basin. Earthen exterior levees will be constructed around the perimeter of the site. Earthwork will be designed so that the cut and fill quantities are balanced to minimize the importation of material and reduce the amount of soil stockpiled.

The ponds will be excavated to a depth of up to 5 feet below ground surface elevation and the earthen berms constructed to a height of up to 4 feet above original ground elevation. The exterior levees will be constructed to approximately 20 feet wide and 0.5 to 4 feet above natural grade, with interior slopes of 5:1 and outside slopes of 2:1. By using a balanced cut-and-fill approach, the District will not need to export soils. The total area of excavation is approximately 93.5 acre and volume of excavation is approximately 754,235 cubic yards. The District will not be required to import material. A fence surrounding the recharge ponds may be installed to protect the site from vandalism.

2.3.2 Construction Schedule and Staging Areas

The Project is expected to be constructed between June 2024 and June 2025, with the exact construction start date dependent on funding from U.S. Bureau of Reclamation (Reclamation)¹ and the District's operations and growers that are affected by the construction. Construction activities will require approximately 110 workdays. Project construction activities will occur between 7 AM and 5 PM, Monday through Friday, with no work scheduled on weekends or holidays. Equipment maintenance activities will be performed during normal working hours. All staging will occur within the 110-acre site.

¹ RRID applied for funding from Reclamation through the WaterSMART Drought Response Program which is pending. If approved, Reclamation will require compliance with federal environmental regulations, including the Endangered Species Act, National Historic Preservation Act, and National Environmental Policy Act.

2.3.3 Construction Equipment and Workers

Construction vehicles are anticipated to include excavators, a loader, a backhoe, three to four scrapers, a soil compactor tractor with sheepsfoot roller, one to two water trucks, a motor grader, a dozer, and material haul trucks. The Project will require approximately 6 workers for construction of the ditches/channel and approximately 8 workers for construction of the ponds and berms/levees.

2.4 Project Operation and Maintenance Activities

Maximum recharge estimates, based on a full-year operation schedule, would average 3,564 acre feet per year (AFY)². In dry years, recharge will be less, or potentially zero. Water from existing District sources (i.e., FKC, Kern River and State Water Project [SWP] flood flows) would be delivered to the recharge ponds via existing conveyances. Project operations would be limited to recharge only. No recovery of recharged groundwater will take place onsite. The Project will operate by the “golden rule” – the Project will not create conditions that are worse than conditions in the absence of the Project. The timing of recharge will be dependent on the availability of water supplies.

2.5 Regulatory Requirements, Permits, and Approval

As the lead agency under CEQA, the District has the principal responsibility for approving and carrying out the proposed Project and for ensuring that CEQA requirements and all other applicable regulations are met. Other agencies that may have permitting approval or review authority over portions of the proposed Project are listed below:

- **Central Valley Regional Water Quality Control Board (CVRWQCB), Construction Activities General Permit.** Required for any Project that disturbs more than 1 acre of soil. The proposed Project would temporarily disturb 110 acres of land in Kern County. Under this permit, the District would need to develop a Stormwater Pollution Prevention Plan (SWPPP) and submit a Notice of Intent.
- **San Joaquin Valley Air Pollution Control Board (SJVAPCD), Dust Control Prevention Plan.** Required for any Project that disturbs more than 1 acre of soil.

² The total Project yield to the District is estimated to be 3,564 AFY of water recharged (110 acres * 90% effective acreage * 0.5 ft/day * 30 days/month * 6 months of recharge * 4/10 years frequency of wet years).

3.0 Environmental Checklist

Proposed Mitigated Negative Declaration

Project Information

Table 3-1. Project Information.

Title	Description
#1. Project title:	R-3 Groundwater Recharge Project
#2. Lead agency name and address:	Rosedale Ranch Improvement District
#3. Contact person and phone number:	Mr. David Hampton (661) 393-2696
#4. Project location:	33380 Cawelo Avenue, Bakersfield, CA 93308
#5. Project sponsor's name and address:	Same as lead agency
#6. General plan designation:	Exclusive Agriculture
#7. Zoning:	Exclusive Agriculture
#8. Description of Project: (Describe the whole action involved, including but not limited to later phases of the Project, and any secondary, support, or off-site features necessary for its implementation. Attach additional sheets if necessary.)	The proposed Project consists of constructing and operating five groundwater recharge ponds on a 110-acre site along the R-3 Canal for a maximum recharge of 3,564 acre feet per year.
#9. Surrounding land uses and setting: Briefly describe the Project's surroundings:	The Project is located in an area of unincorporated Kern County which is dominated by agricultural production. The City of Bakersfield is located approximately 3.3 miles east of the Project site.
#10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)	Central Valley Regional Water Quality Control Board and San Joaquin Valley Air Pollution Control District
#11. Have California Native American tribes traditionally and culturally affiliated with the Project area requested consultation pursuant to Public Resources Code (PRC) Section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?	No, Tribes have not requested to be notified by RRID for projects subject to CEQA.

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and Project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process. (See PRC Section 21080.3.2.) Information may also be available from the California Native American Heritage Commission's Sacred Lands File per PRC Section 5097.96 and the California Historical Resources Information System administered by the California Office of Historic Preservation. **Please also note** that PRC Section 21082.3(c) contains provisions specific to confidentiality.

Environmental Factors Potentially Affected

No environmental resources were found to have “potentially significant impacts.” The environmental factors listed as “Yes” in **Table 3-2** would be potentially affected by this Project, involving at least one impact that has “Less than Significant Impacts with Mitigation Incorporated” as indicated by the checklist on the following pages.

Table 3-2. Environmental Resources with Potentially Significant Impacts Prior to Mitigation.³

Environmental Resources	Yes or No?
Aesthetics	No
Agriculture and Forestry Resources	No
Air Quality	Yes
Biological Resources	Yes
Cultural Resources	Yes
Energy	No
Geology/Soils	Yes
Greenhouse Gas Emissions	No
Hazards and Hazardous Materials	No
Hydrology/Water Quality	Yes
Land Use/Planning	No
Mineral Resources	No
Noise	No
Population/Housing	No
Public Services	No
Recreation	No
Transportation	No
Tribal Cultural Resources	No
Utilities/Service Systems	No
Wildfire	No
Mandatory Findings of Significance	No

³ Impacts to all resources are reduced to less than significant with the incorporation of mitigation measures.

Determination (To be completed by the Lead Agency)

On the basis of this initial evaluation:	Yes or No?
I find that the proposed Project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	No
I find that although the proposed Project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the Project have been made by or agreed to by the Project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.	Yes
I find that the proposed Project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.	No
I find that the proposed Project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.	No
I find that although the proposed Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier Environmental Impact Report (EIR) or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed Project, nothing further is required.	No

Signature

Date

Dave Hampton
Print Name

General Manager
Title

Rosedale Ranch Improvement District
Agency

3.1 Aesthetics

#1. AESTHETICS. Except as provided in PRC Section 21099. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#1 -a. Have a substantial adverse effect on a scenic vista?	No.	No.	No.	Yes.	No.
#1 -b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?	No.	No.	No.	Yes.	No.
#1 -c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publicly accessible vantage point.) If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?	No.	No.	Yes.	No.	No.
#1 -d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	No.	No.	No.	Yes.	No.

3.1.1 Environmental Setting

The Project is located east of Interstate 5, in Kern County. The landscape at the Project site is relatively flat, with open agricultural fields and orchards characteristic of Central Valley farmlands dominating the landscape (*see Appendix A* for photos of the Project area).

Background views to the south consist of traffic along Kratzmeyer Road, which runs adjacent to the Project site. Additionally, agricultural production can be seen from the Project site as agriculture is the dominate land use in Kern County.

Elements of the built environment (e.g., dirt roads) and water management infrastructure, which are characteristic of many areas of the Central Valley, are present onsite. The R-3 Canal is located just east of the Project site.

There are no designated scenic vistas located in the vicinity of the proposed Project. Additionally, there are no state- or County-designated scenic highways in the Project vicinity (California Department of Transportation [Caltrans] 2019a, 2019b). The nearest designated scenic highways are State Route (SR) 58 (near Mojave) and SR 395 (near Little Lake), both of

which are located approximately 60 miles from the Project site. The Project site is zoned as letter “A” (signifying exclusive agriculture) (Kern County 2021).

3.1.2 Discussion

#1 -a and b. Have a substantial adverse effect on a scenic vista? Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?

There are no significant view-sheds, scenic vistas, or scenic highways located in the vicinity of the proposed Project (Caltrans 2019a, 2019b). There would be **no impact**.

#1 -c. In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?

During construction, several vehicles and equipment would be onsite which is similar to normal agricultural operations and water infrastructure equipment common to the area. The proposed Project would not impact the adjacent agricultural land. Although the berms would be constructed up to 4 feet above original grade, the proposed Project would not degrade the existing visual character or quality of public views as recharge ponds are commonplace in the Central Valley. All pipeline connections would either be buried underground or exposed for a few feet to allow for the tie-in to the existing water infrastructure. Therefore, the Project would result in a **less than significant** impact.

#1 -d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

The Project would not change the existing views, nor would it create new sources of light. There would be **no impact**.

3.2 Agriculture and Forestry Resources

#2. AGRICULTURE AND FORESTRY RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997, as updated) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the State's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#2 -a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	No.	No.	<u>Yes.</u>	No.	No.
#2 -b. Conflict with existing zoning for agricultural use, or a Williamson Act contract?	No.	No.	<u>Yes.</u>	No.	No.
#2 -c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in PRC Section 12220(g)), timberland (as defined by PRC Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	No.	No.	No.	<u>Yes.</u>	No.
#2 -d. Result in the loss of forest land or conversion of forest land to non-forest use?	No.	No.	No.	<u>Yes.</u>	No.
#2 -e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	No.	No.	<u>Yes.</u>	No.	No.

3.2.1 Environmental Setting

The Project site is designated as exclusive agriculture (Kern County 2021). The Project site is designated as prime farmland (Department of Conservation [DOC] 2018). The Project site is not subject to a Williamson Act contract (Kern County 2010).

3.2.2 Discussion

#2 -a and b. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? Conflict with existing zoning for agricultural use, or a Williamson Act contract?

RRID would construct and operate a groundwater recharge pond, pump station, and water storage tank on the parcel, which would not be farmed during project implementation. The purpose of the proposed project is to improve water supply for agricultural water users, which is a benefit to agriculture. Water storage or groundwater recharge facilities are permitted uses in Kern County's Code of Ordinances 19.12.020 Permitted Uses Exclusive Agriculture (A) District. During project implementation, the parcel would continue to be mapped as prime farmland. Therefore, this impact would be **less than significant**.

#2 -c and d. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by PRC Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? Result in the loss of forest land or conversion of forest land to non-forest use?

The Project site is not zoned as forest land, timberland, or timberland zoned as timberland production, therefore, no loss or conversion of forest land to non-forest land would result from the proposed Project. There would be **no impact**.

#2 -e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

Kern County, like the rest of California, is subject to hydrological changes as a result of climate change, including short- and long-term droughts. The groundwater recharge pond would be supplied with water from existing RRID sources but only during "wet" years when surface water supplies are adequate. RRID anticipates years in which water would not be delivered to the groundwater recharge pond because of inadequate water supplies; however, these instances would not result in a conversion of farmland to non-agricultural uses. The Project site is not zoned as forest land. Therefore, this impact would be **less than significant**.

3.3 Air Quality

#3. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied on to make the following determinations. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#3 -a. Conflict with or obstruct implementation of the applicable air quality plan?	No.	Yes.	No.	No.	No.
#3 -b. Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable Federal or State ambient air quality standard?	No.	Yes.	No.	No.	No.
#3 -c. Expose sensitive receptors to substantial pollutant concentrations?	No.	No.	Yes.	No.	No.
#3 -d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	No.	No.	Yes.	No.	No.

3.3.1 Environmental Setting

The proposed Project is located in the San Joaquin Valley Air Basin (SJVAB) within Kern County. The SJVAPCD is responsible for obtaining and maintaining air quality conditions in the County.

The federal Clean Air Act and California Clean Air Act required the U.S. Environmental Protection Agency (EPA) and California Air Resource Boards (CARB) to establish health-based air quality standards at the federal and state levels. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) were established for the following criteria pollutants: carbon monoxide (CO), ozone (O₃), sulfur dioxide (SO₂), nitrogen dioxide (NO₂), particulate matter less than 10 microns in diameter (PM₁₀), particulate matter less than 2.5 microns in diameter (PM_{2.5}), and lead. Areas of the state are designated as attainment, nonattainment, maintenance, or unclassified for the various pollutant standards according to the federal Clean Air Act and California Clean Air Act.

An “attainment” designation for an area signifies that pollutant concentrations did not violate the NAAQS or CAAQS for that pollutant in that area. A “nonattainment” designation indicates that a pollutant concentration violated the standard at least once, excluding those occasions when a violation was caused by an exceptional event, as identified in the criteria. A “maintenance” designation indicated that the area previously categorized as nonattainment is currently categorized as attainment for the applicable pollutant; though the area must demonstrate continued attainment for a specific number of years before it can be re-designated as an

attainment area. An “unclassified” designation signifies that data does not support either an attainment or a nonattainment status. The EPA established NAAQS in 1971 for six air pollution constituents. States have the option to add other pollutants, to require more stringent compliance, or to include different exposure periods. CAAQS and NAAQS are listed in **Table 3-3**.

Table 3-3. Federal and California Ambient Air Quality Standards and Attainment Status.

Pollutant	Averaging Time	California Standards Concentration	Federal Primary Standards Concentration
Ozone (O ₃)	8-hour	0.070 parts per million. (137 micrograms per cubic meter)	0.070 parts per million (137 micrograms per cubic meter) (see Note #1)
	1-hour	0.09 parts per million. (180 micrograms per cubic meter)	(None; see Note #2)
Respirable Particulate Matter (PM ₁₀)	24-hour	50 micrograms per cubic meter	150 micrograms per cubic meter
	Annual Arithmetic Mean	20 micrograms per cubic meter	(None)
Fine Particulate Matter (PM _{2.5})	24-hour	(None)	35 micrograms per cubic meter
	Annual Average	12 micrograms per cubic meters	12 micrograms per cubic meter
Carbon Monoxide	8-hour	9 parts per million (10 milligrams per cubic meter)	9 parts per million (10 milligrams per cubic meter)
	1-hour	20 parts per million (23 milligrams per cubic meter)	35 parts per million (40 micrograms per cubic meter)
Nitrogen Dioxide	Annual Average	0.03 parts per million (57 micrograms per cubic meters)	0.053 parts per million (100 micrograms per cubic meters)
	1-hour	0.18 parts per million (339 micrograms per cubic meters)	0.100 parts per million (188 micrograms per cubic meters)
Lead	30-day Average	1.5 micrograms per cubic meters	(None)
	Rolling 3-Month Average	(None)	0.15 micrograms per cubic meter
	Quarterly Average	(None)	1.5 micrograms per cubic meter
Sulfur Dioxide	24-hour	0.04 parts per million (105 micrograms per cubic meter)	0.14 parts per million (for certain areas)
	3-hour	(None)	(None)
	1-hour	0.25 parts per million (655 micrograms per cubic meter)	0.075 parts per million (196 micrograms per cubic meter)
Sulfates	24-hour	25 micrograms per cubic meter	No federal standard

Pollutant	Averaging Time	California Standards Concentration	Federal Primary Standards Concentration
Hydrogen Sulfide	1-hour	0.03 parts per million (42 micrograms per cubic meter)	No federal standard
Vinyl Chloride	24-hour	0.01 parts per million (26 micrograms per cubic meter)	No federal standard

Notes:

- #1. On October 1, 2015, the national 8-hour ozone (O₃) primary and secondary standards were lowered from 0.075 to 0.070 parts per million.
- #2. 1-Hour ozone standard revoked effective June 15, 2005, although some areas have continuing obligations under that standard.
- Source: C.A.R.B. 2016

Under the NAAQS, the County is designated as nonattainment for 8-hour O₃, and PM_{2.5}, and attainment/unclassified for PM₁₀, CO, NO₂, SO₂, lead, and sulfates (CARB 2018). Under CAAQS, the County is designated unclassified for all criteria pollutants (CARB 2018).

The area's air quality monitoring network provides information on ambient concentrations of air pollutants in the SJVAB. SJVAPCD operates several monitoring stations in Kern County, air quality data was obtained from the Bakersfield-California Avenue station. **Table 3-4** compares a 5-year summary of the highest annual criteria air pollutant emissions collected at this station with applicable CAAQS, which are more stringent than the corresponding NAAQS. Due to the regional nature of these pollutants, O₃, PM_{2.5}, and PM₁₀ are expected to be representative of the Project site. As indicated in Table 3-4, O₃, PM_{2.5}, and PM₁₀ standards have been exceeded over the past 5 years.

Table 3-4. Ambient Air Quality Monitoring Data Measured at the Bakersfield-California Avenue Monitoring Station.

Pollutant Standards, 1-Hour Ozone (O₃)	2015	2016	2017	2018	2019
Maximum 1-hour concentration (parts per million)	0.104*	0.092*	0.122*	0.107*	0.097*
Days Exceeding ^a CAAQS 1-hour (>0.09 parts per million)	6	0	11	8	2
Pollutant Standards, 8-Hour Ozone (O₃)	2015	2016	2017	2018	2019
National maximum 8-hour concentration (parts per million).	0.096*	0.085*	0.104*	0.098*	0.088*
State max. 8-hour concentration (parts per million).	0.097*	0.086*	0.104*	0.098*	0.088*
Days Exceeding ^a NAAQS 8-hour. (>0.075 parts per million.) (See note #1.)	28	30	47	34	11
Days Exceeding ^a CAAQS 8-hour. (>0.070 parts per million.) (See note #1.)	54	63	87	64	28
Pollutant Standards, Particulate Matter (PM₁₀)	2015	2016	2017	2018	2019
National max. 24-hour concentration (micrograms per cubic meter).	104.7	90.9	138.0	136.1	116.3
State max. 24-hour concentration (micrograms per cubic meter).	103.6*	92.2*	143.6*	142.0*	125.9*
State max. 3-year average concentration (micrograms per cubic meter).	44	44	44	43	43
State annual average concentration (micrograms per cubic meter).	44.1	40.9	42.6	-	39.0
Days Exceeding ^a NAAQS 24-hour (>150 micrograms per cubic meter).	0	0	0	0	0
Days Exceeding ^a CAAQS 24-hour (>50 micrograms per cubic meter).	121.4	121.4	98.7	-	108.1
Pollutant Standards, Particulate Matter (PM_{2.5})	2015	2016	2017	2018	2019
National max. 24-hour concentration (micrograms per cubic meter).	107.9*	66.4*	101.8*	98.5*	59.1*
State max. 24-hour concentration (micrograms per cubic meter).	111.9	66.4	101.8	98.5	59.1
State annual average concentration (micrograms per cubic meter).	16.6*	15.9*	15.9*	15.6*	11.4
Days Exceeding NAAQS 24-hour (>35 micrograms per cubic meter).	32.3	25.5	30.2	40.3	12.3

Notes:

* = Values in excess of applicable standard.

- =There was insufficient (or no) data available to determine the value.

2018 is the latest year of data available as of preparation of this Chapter.

#1. An exceedance is not necessarily a violation.

Sources: CARB 2020.

3.3.2 Discussion

#3 -a and b. Conflict with or obstruct implementation of the applicable air quality plan? Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable Federal or State ambient air quality standard?

The proposed Project would generate criteria pollutants from the use of diesel-powered vehicles and equipment, and earthmoving activities. Construction of the proposed Project would require approximately 50 round trips to drop off all required material and equipment to the Project sites. Up to an additional 1,540 truck trips, or 14 trips per day, would be required for workers commuting to the Project site during construction. Therefore, up to a total of 1,590 trips would be required to construct the proposed Project. RRID assumes that one vehicle trip per week (2,600 total trips) would be required for operation of the groundwater storage pond, assuming a 50-year lifespan.

To streamline the process of assessing significance of criteria pollutant emissions from common construction projects, SJVAPCD has developed a screening tool, the Small Project Analysis Level (SPAL) to assist in determining if constructing a project in the County would exceed the construction significance threshold for criteria pollutants. The tool uses project type and size, and SJVAPCD. pre-quantified emissions to determine a size below which it is reasonable to conclude that a project would not exceed applicable thresholds of significance for criteria pollutants (SJVAPCD 2017). Construction of a project that does not exceed the screening level are considered to have a less than significant impact on air quality (**Table 3-5**). The proposed project would result in a *total* of 2,080 trips (construction and operation) and is significantly lower than the SPAL threshold, which is measured by *trips per day*.

Table 3-5. Small Project Analysis Level by Vehicle Trips.

Land Use Category	Project Size
Residential Housing	1,453 trips per day
Commercial	1,673 trips per day
Office	1,628 trips per day
Institutional	1,707 trips per day
Industrial	1,506 trips per day

Source: SJAPCD 2017

However, since the project would disturb more than 1 acre, the District would need to acquire the following permits: NPDES construction general permit (Order 2009-0009 DWQ as amended by Order 2012-0006-DWQ) and Dust Control Prevention Plan. The project would comply with all best management practices (BMPs) outlined in the above-mentioned permits. The project would also comply with all SJVAPCD rules and regulations. SJVAPCD Regulation VIII implements measures to reduce ambient concentrations of PM₁₀ and oxides of nitrogen (NO_x).

However, since the Project would disturb more than 1 acre, RRID is required to prepare a SWPPP under the NPDES Construction General Permit (Order 2009-0009 DWQ as amended by Order 2012-0006-DWQ) and Dust Control Prevention Plan. The Project would comply with all BMPs outlined in the above-mentioned permits. The Project would also comply with all SJVAPCD rules and regulations. SJVAPCD Regulation VIII implements measures to reduce ambient concentrations of PM₁₀ and oxides of nitrogen (NO_x).

Therefore, this impact would be **potentially significant**. The following mitigation measures have been identified to address this impact:

Mitigation Measure AQ-1: District Regulation VIII Fugitive PM₁₀ Prohibitions Best Management Practices

All projects are subject to SJVAPCD rules and regulations in effect at the time of construction. Control of fugitive dust is required by SJVAPCD Regulation VIII. RRID shall implement or require its contractor to implement all of the following measures as identified by SJVAPCD:

- Apply water to unpaved surfaces and areas
- Use non-toxic chemical or organic dust suppressants on unpaved roads and traffic areas
- Limit or reduce vehicle speed on unpaved roads and traffic areas
- Maintain areas in a stabilized condition by restricting vehicle access
- Install wind barriers
- During high winds, cease outdoor activities that disturb the soil
- Keep bulk materials sufficiently wet when handling
- Store and hand material in a three-sided structure
- When storing bulk material, apply water to the surface or cover the stage pile with a tarp
- Don't overload haul trucks. Overlanded trucks are likely to spill bulk materials
- Cover haul trucks with a tarp or other suitable cover. Or, wet the top of the load enough to limit visible dust emissions
- Clean the interior of cargo compartments on emptied haul trucks prior to leaving the site
- Prevent track-out by installing a track-out control device
- Clean up track-out at least once a day. If along a busy road or highway, clean up track-out immediately
- Monitor dust-generating activities and implement appropriate measures for maximum dust control

With preparation and implementation of Mitigation Measure AQ-1, NPDES Construction General Permit and Dust Control Prevention Plan, this impact would be **less than significant after mitigation**.

#3 -c. Expose sensitive receptors to substantial pollutant concentrations?

Some members of the population are especially sensitive to emissions of air pollutants and should be given special consideration during the evaluation of the Project air quality impacts. These people include children, senior citizens, and persons with pre-existing respiratory or cardiovascular illnesses, and athletes and other who engage in frequent exercise, especially outdoors. Sensitive receptors include schools, residences, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. The Project sites are in a predominately agricultural area. The Project site is not located in the vicinity of any sensitive receptors. The closest sensitive receptors would be the residences located on the north side of SR 58, approximately 0.80 miles east of the Project on Kratzmeyer Road.

During construction, most of the particulate matter (PM) emissions would be released in the form of fugitive dust during ground disturbance activities. PM emissions would also be generated in the form of equipment exhaust and re-entrained road dust from vehicle travel. Construction impacts from PM emissions would be temporary. Operation of the groundwater recharge pond would suppress PM emissions. Given the short-term emissions, distance from sensitive receptors, and incorporation of Mitigation Measure AQ-1, impacts would be **less than significant**.

#3 -d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Human response to odors is subjective, and sensitivity to odor varies from person to person. Typically, odors are considered an annoyance rather than a health hazard; however, a person's response to odor can range from psychological (e.g., irritation, anger, anxiety) to physiological (e.g., circulatory and respiration reaction, nausea, headaches). During construction, the project would generate odor from the use of diesel fuels, though this would be short-term and nearly a mile to the nearest sensitive receptors. During operations, the project would not produce odors. Potential odor effects would be **less than significant**.

3.4 Biological Resources

#4. BIOLOGICAL RESOURCES. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#4 -a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife (CDFW) or U.S. Fish and Wildlife Service (USFWS)?	No.	Yes.	No.	No.	No.
#4 -b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the CDFW or USFWS?	No.	No.	No.	Yes.	No.
#4 -c. Have a substantial adverse effect on State or Federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	No..	No.	Yes.	No.	No.
#4 -d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	No.	No.	Yes.	No.	No.
#4 -e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	No.	No.	No.	Yes.	No.
#4 -f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?	No.	No.	No.	Yes.	No.

3.4.1 Environmental Setting

Information presented in this environmental setting is based on review of biological resource databases and publications, observations made during a field survey conducted by a GEI Consultants, Inc. biologist on October 27, 2023, and information gathered for previous District projects in the vicinity of the proposed Project.

Habitat and Land Cover Types

The Project site is entirely composed of agricultural fields that were most recently cultivated in field/row crops. The fields were fallow at the time of the field survey but most of the site had been recently tilled. The adjacent parcels are also agricultural land (row/field crops and almond orchard) and associated infrastructure, including an equipment shed, roadways, and irrigation canals/ditches and tailwater basins. The adjacent agricultural lands are actively cultivated or maintained, and the road shoulders and equipment area are compacted and barren. The equipment area supports one tall Eucalyptus tree and one smaller ornamental tree. Natural habitat is absent from the Project site and vicinity.

Vegetation is generally absent from the Project site, but occasional scattered ruderal grasses and forbs occur at low density in the western portion of uncultivated field, such as tumbleweed (*Amaranthus albus*), common purslane (*Portulaca oleracea*), and Russian thistle (*Salsola tragus*). Ruderal vegetation also occurs along the R-3 Canal immediately east of the site, including variable flatsedge (*Cyperus difformis*), barnyard grass (*Echinochloa crus-galli*), common spikerush (*Eleocharis palustris*), horseweed (*Erigeron bonariensis*), and sprangletop (*Leptochloa panicea*). Water was absent from the R-3 Canal and the larger parallel agricultural canal east of the Project site during the October 2023 survey.

Sensitive Biological Resources

Sensitive biological resources addressed in this section include those that are afforded consideration or protection under CEQA, California Fish and Game Code (CFGF), California Endangered Species Act (CESA), Federal Endangered Species Act (ESA), the Clean Water Act (CWA), and Porter-Cologne Water Quality Control Act (Porter-Cologne Act).

Special-status Species

For purposes of this analysis, special-status species include plants and animals in one or more of the following categories:

- taxa (i.e., taxonomic categories or groups) officially listed, candidates for listing, or proposed for listing under ESA or CESA as endangered, threatened, or rare
- taxa that meet the criteria for listing, even if not currently included on any list, as described in State CEQA Guidelines California Code of Regulations Section 15380
- wildlife identified by CDFW as species of special concern
- species listed as Fully Protected under the CFGF

- plant taxa considered by CDFW to be "rare, threatened, or endangered in California (i.e., List 1B and 2B plants)

The California Natural Diversity Database (CNDDDB) (CDFW 2023) and online Inventory of Rare and Endangered Vascular Plants of California (California Native Plant Society [CNPS] 2023) were reviewed for information on special-status plants and animals that have been documented in the project vicinity. These reviews included the Rosedale, Famosa, Gosford, North of Oildale, Oildale, Rio Bravo, Stevens, Tupman, and Wasco U.S. Geologic Survey 7.5-minute quadrangles. A list of resources under USFWS jurisdiction that could occur in the project vicinity was obtained from the Information for Planning and Conservation website (USFWS 2023). Database search results and the USFWS species list are provided in Appendix B, "Biological Database Information."

Plants

Special-status plants included in the USFWS species list, CNDDDB, and/or online Inventory of Rare and Endangered Vascular Plants of California search results were evaluated for their potential to occur on the Project. All these species are restricted to scrub, grassland, or wetland habitat types that do not occur on the Project site. Therefore, based on observations made during the field surveys, no special-status plants have potential to occur on or adjacent to the Project, because no suitable habitat for them is present.

Wildlife

Special-status wildlife taxa included in the CNDDDB search results and/or on the USFWS species list were evaluated for potential to occur on or adjacent to the Project site. As with the special-status plants, most of these species were determined to have no potential to occur because of restricted distribution and/or lack of suitable habitat. For example, the Project is outside the current distribution of giant garter snake (*Thamnophis gigas*), LeConte's thrasher (*Toxostoma lecontei*), least bell's vireo (*Vireo belli pusillus*), giant kangaroo rat (*Dipodomys ingens*), and Buena Vista Lake ornate shrew (*Sorex ornatus relictus*). In addition, seasonal wetland habitat required by vernal pool fairy shrimp (*Branchinecta lynchi*) and western spadefoot (*Spea hammondi*) and native scrub and grassland habitats required by Bakersfield legless lizard (*Anniella grinnelli*), California glossy snake (*Arizona elegans occidentalis*), blunt-nosed leopard lizard (*Gambelia silus*), San Joaquin coachwhip (*Masticophis flagellum ruddocki*), Coast horned lizard (*Phrynosoma blainvillii*), Nelson's antelope squirrel (*Ammospermophilus nelson*), Tipton kangaroo rat (*Dipodomys nitratoides nitratoides*), Tulare grasshopper mouse (*Onychomys torridus tularensis*), and American badger (*Taxidea taxus*) do not occur on or adjacent to the Project. Therefore, these species have no potential to occur on the Project site. Although northwestern pond turtle (*Actinemys marmorata*) can occur in a variety of aquatic habitats, the R-3 Canal and other agricultural canals adjacent to the Project site do not provide suitable habitat for this species.

The remaining special-status wildlife taxa were evaluated further to determine their potential to occur on or adjacent to the Project site and be affected by Project implementation. These species are discussed below.

Invertebrates

Monarch butterfly (*Danaus plexippus*) is a candidate for federal listing as threatened or endangered, and Crotch's bumble bee (*Bombus crotchii*) is a candidate for state listing as endangered. These species can travel extended distances and be documented in unexpected locations. However, they require suitable food plants and larval host plants/nest sites. The Project site does not provide suitable nest sites for Crotch's bumble bee and is extremely unlikely to provide larval host plants (*Asclepias* spp.) for monarch butterfly. On-site vegetation is also of very low foraging value for both species. No monarchs or host plants are known from the project vicinity (Western Monarch and Milkweed Occurrence Database 2023), and the nearest known monarch and Crotch's bumble bee occurrences are from the Kern River corridor, more than 8 miles southeast of the Project site (iNaturalist 2023). Habitat suitability for these species is also greatly diminished by herbicide and pesticide use and regular vegetation maintenance in agricultural areas and along canals and roadways on and adjacent to the Project site. Therefore, potential for either species to occur on or adjacent to the Project is extremely low.

Birds

Five special-status bird species have low or very low potential to occur on or adjacent to the Project site: burrowing owl (*Athene cunicularia*), Swainson's hawk (*Buteo swainsonii*), mountain plover (*Charadrius montanus*), white-tailed kite (*Elanus leucurus*), and tricolored blackbird (*Agelaius tricolor*). Swainson's hawk and tricolored blackbird are state-listed as threatened, white-tailed kite is fully protected under the CFGC, and burrowing owl and mountain plover are California species of special concern. Marginally suitable foraging habitat for mountain plover occurs in uncultivated fields on and adjacent to the Project, but this species does not breed in California and is very rarely documented in the San Joaquin Valley; therefore, it has extremely low potential to occur on the Project site. Potentially suitable habitat for burrowing owl includes uncultivated fields and ruderal habitat on and adjacent to the Project; burrows suitable for burrowing owl were absent from the Project site at the time of the field survey but could become established if conditions are amenable in the future. No suitable nesting habitat for tricolored blackbird was present on or adjacent to the Project during the field survey. However, if grain crops or extensive areas of tall ruderal vegetation (e.g., in the fallow fields) are present on or near the Project during project activities, there is some potential for this species to nest in such habitat. The large Eucalyptus tree immediately adjacent to the Project site provides a marginally suitable nest site for Swainson's hawk and white-tailed kite (as well as common tree-nesting raptor species). None of these species is known to nest near the Project site (CDFW 2023) but all have potential to nest on or adjacent to the site. The Project site also provides potentially suitable foraging habitat for tricolored blackbird, burrowing owl, Swainson's hawk, and white-tailed kite. However, the foraging quality is very low because of the regular ground disturbance and barren to very sparse on-site vegetation cover that limits insect and mammalian prey populations.

Mammals

San Joaquin kit fox (*Vulpes macrotis mutica*) is federally listed as endangered; this species occurs primarily in grasslands and sparsely vegetated shrublands with loose-textured soils. Although San Joaquin kit fox can occur in agricultural habitats, documented use of such habitat is variable, and kit fox appear to be unable to occupy agricultural habitat on a long-term basis (USFWS 2010). Prey abundance and diversity are reduced in agricultural habitats and favored prey species such as kangaroo rats are not present in row crops or orchards (USFWS 2010). Therefore, agricultural habitats such as those on and surrounding the Project site are unlikely to support prolonged use by San Joaquin kit fox. The CNDDDB includes several occurrences of San Joaquin kit fox in the project vicinity. Most occurrences in the region are from many decades ago, and more recent occurrences are primarily from the urban Bakersfield area, which supports a stable kit fox population (USFWS 2020). The nearest recent San Joaquin kit fox occurrence was a roadkill individual approximately 3.4 miles southeast of the Project site. Because this species can occur in agricultural areas and the Project site is within potential dispersal distance of the Bakersfield population, San Joaquin kit fox could occasionally disperse through the Project site.

Western mastiff bat (*Eumops perotis californicus*) is a California species of special concern that roosts in crevices in cliffs, tall buildings, tunnels, and trees (typically large cottonwoods, sycamores, walnuts, and willows). CNDDDB occurrences of this species are generally from the valley floor margins, adjacent to hills that likely provide suitable natural roost sites. The agricultural shed and Eucalyptus tree adjacent to the Project site are very unlikely to provide suitable roosting habitat for western mastiff bat and individuals from more distant roost sites are unlikely to forage over the Project site; therefore, this bat has very low potential to occur on the Project site.

Sensitive Habitats

No critical habitat for federally listed species or state-designated natural communities of special concern are present on or adjacent to the Project. Because the R-3 Canal is used solely for irrigation delivery and does not have a significant nexus to traditionally navigable waters, it does not qualify as potentially jurisdictional waters of the United States and is not protected under the CWA. The canal is also not considered to be a river or stream and therefore not protected under FGC Section 1600. It may, however, qualify as a state-protected water under the Porter-Cologne Water Quality Control Act.

3.4.2 Discussion

#4 -a. Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service?

Based on the review of existing documentation, current distributions and habitat requirements of each species, and habitat evaluations made during the field survey, all the special-status plants and most the special-status wildlife species considered in this evaluation were determined to have no potential or very low potential to occur on or adjacent to the Project site. Therefore, these species have no potential or are very unlikely to be adversely affected by project implementation and are not discussed further. Wildlife species with at least low potential to occur on or near the Project and be adversely affected by project implementation is discussed further below.

Special-status birds. No suitable nesting habitat for tricolored blackbird was present on or adjacent to the Project during the field survey. However, if grain crops or extensive areas of tall ruderal vegetation (e.g., fallow fields) are present on or near the Project site during Project activities, there is some potential for tricolored blackbird to nest in such habitat. The large Eucalyptus tree immediately adjacent to the Project provides marginally suitable nesting for Swainson's hawk and white-tailed kite. No other potential nest trees are present on or near the Project site. Ruderal habitat on and adjacent to the Project site provides potentially suitable habitat for burrowing owl. However no concentrations of ground squirrel burrows or other burrows suitable for burrowing owl were observed during the field survey.

Although no nests or burrows were identified on or adjacent to the Project site during the field survey and no nearby occurrences are known, tricolored blackbird, burrowing owl, Swainson's hawk, and white-tailed kite could nest on or adjacent to the Project site if conditions are suitable when Project-related disturbance occurs. If an active nest or occupied burrow is present on or near the Project site, Project activities could result in burrow or nest abandonment. Depending on the species and number of individuals that are affected, burrow abandonment or nest failure could have a substantial adverse effect on the local population. Because the current foraging and nesting habitat quality of the Project site is low for these species and similar habitat is abundant in the region, conversion of the site to a recharge basin would not have a substantial adverse effect on habitat availability for these species.

Mitigation Measures BIO-1, BIO-2a, BIO 2b, and BIO-2c described below, have been identified to reduce potentially significant impacts on tricolored blackbird, burrowing owl, Swainson's hawk, and white-tailed kite to a less than significant level and minimize potential for violation of state and federal regulations protecting birds and their nests. This impact would be **less than significant with mitigation incorporated**.

San Joaquin kit fox. Despite the poor quality of habitat on the project site, San Joaquin kit fox has potential to occur onsite because the species is known to occur in agricultural habitat and the site is within dispersal distance of the Bakersfield population. Therefore, although potential for occupied dens to occur on or adjacent to the project site is low due to the poor habitat quality, individuals could travel through the Project site. If a kit fox is present during Project activities, it could be injured or killed if struck by a Project vehicle or Project equipment or become trapped in pipes or trenches. In the very unlikely event that an occupied den is present adjacent to the

Project site, Project-related disturbance could result in den abandonment. Very few individuals if any would be affected. However, because of the endangered status of San Joaquin kit fox, potential to injure or kill even one individual could be considered a substantial adverse effect. Mitigation Measures BIO-1 and BIO-3, described below, have been identified to reduce this impact to a less than significant level. This impact would be **less than significant with mitigation incorporated**.

Mitigation Measure BIO-1: Conduct Worker Environmental Awareness Training.

To minimize potential effects of Project construction on special-status wildlife, the District will ensure that the following measure is implemented:

- An Environmental Awareness Program will be presented to all Project personnel working in the field before Project activities begin. The program will be presented by a qualified biologist with knowledge of special-status wildlife that could occur on the Project sites. The program will address each species biology and habitat needs; status of each species and their regulatory protections; and measures required to reduce impacts to the species during Project construction.

Mitigation Measure BIO-2a: Conduct Focused Surveys for Burrowing Owls and Avoid Loss of Occupied Burrows.

To minimize potential effects of Project construction on burrowing owl, the District will ensure that the following measures are implemented, consistent with the *Staff Report on Burrowing Owl Mitigation* (CDFG 2012).

- A qualified biologist will assess burrowing owl habitat suitability in the area subject to direct impact and adjacent areas within 500 feet.
- If suitable habitat or sign of burrowing owl presence is observed, a take avoidance survey will be conducted within 10 days before construction activities begin near areas of suitable habitat.
- If any occupied burrows are observed, protective buffers will be established and implemented. A qualified biologist will monitor the occupied burrows during construction activities to confirm effectiveness of the buffers. The size of the buffer will depend on type and intensity of disturbance, presence of visual buffers, and other variables that could affect susceptibility of the owls to disturbance.
- If destruction of an occupied burrow cannot be avoided and it is determined, in consultation with CDFW, that passive exclusion of owls from the construction footprint is an appropriate means of minimizing direct impacts, an exclusion and relocation plan will be developed and implemented in coordination with CDFW. Passive exclusion will not be conducted during the breeding season (February 1 through August 31), unless a qualified biologist verifies through noninvasive means that either (1) the birds have not begun egg laying or (2)

juveniles from the occupied burrows are foraging independently and are capable of independent survival.

- If passive exclusion is conducted, each occupied burrow that is destroyed will be replaced with at least one artificial burrow on a suitable portion of the recharge site that would not be subject to inundation or ground disturbance.

Mitigation Measure BIO-2b: Conduct Focused Surveys for Nesting Swainson's Hawks and White-tailed Kites and Implement Take Avoidance Plan for Active Nests.

To minimize potential effects of project construction on active Swainson's hawk and white-tailed kite nests, the District will ensure that the following measures are implemented:

- If construction activities would occur during the Swainson's hawk nesting season (April-August), a qualified biologist will conduct surveys of potential Swainson's hawk nesting trees within 0.5 mile of the project site. To the extent practicable, depending on timing of construction initiation, surveys will be conducted in accordance with the *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley* (Swainson's Hawk Technical Advisory Committee 2000). At a minimum, at least one survey will be conducted within 10 days before construction activities begin during the nesting season. If a lapse in construction activities of 10 days or longer occurs, another focused survey will be conducted before activities resume during the nesting season.
- If construction would begin during the white-tailed kite nesting season (March 1-August 31), a qualified biologist will conduct surveys of potential white-tailed kite nesting trees within 0.5 mile of the project site. The survey will be conducted no more than 10 days before construction activities begin during the nesting season. If a lapse in construction activities of 10 days or longer occurs, another focused survey will be conducted before activities resume during the nesting season.
- If an active Swainson's hawk or white-tailed kite nest is found, a qualified biologist will prepare a site-specific take avoidance plan to comply with CESA and the FGC. Measures may include but are not limited to nest-specific no disturbance buffers, biological monitoring, rescheduling construction activities around sensitive periods for the species (e.g., nest establishment), and/or implementing construction best practices, such as staging equipment out of the species' line of sight from the nest tree. The avoidance/protection measures will be established before construction activities begin and continue until the adult and young birds are no longer reliant on the nest site.

Mitigation Measure BIO-2c: Conduct Focused Surveys for Other Nesting Birds and Implement Buffers Around Active Nests.

To minimize potential effects of project construction on active nests of other special-status birds and common birds protected by state and federal regulations, the District will ensure that the following measures are implemented:

- If construction would occur during the bird nesting season (February-August), a qualified biologist will conduct surveys of 1) suitable nesting habitat for common birds within 100 feet of construction activities, 2) suitable nesting habitat for non-raptor special-status birds within 300 feet of construction activities, and 3) suitable nesting habitat for raptors other than those addressed in BIO-2a and BIO-2b within 500 feet of construction activities. Surveys will be conducted within 10 days before construction activities begin during the nesting season. If a lapse in construction activities of 10 days or longer occurs, another focused survey will be conducted before activities resume during the nesting season.
- If any active bird nests are observed, a qualified biologist will prepare a site-specific take avoidance plan to comply with applicable state and federal regulations. If an active tricolored blackbird nesting colony is found during preconstruction surveys, a minimum 300-foot no-disturbance buffer will be implemented in accordance with CDFW's Staff Guidance Regarding Avoidance of Impacts to Tricolored Blackbird Breeding Colonies on Agricultural Fields in 2015 (CDFW 2015), or more recent guidance if issued, until the breeding season has ended or until a qualified biologist has determined that nesting has ceased and the young have fledged and are no longer reliant upon the colony or parental care for survival. Measures for other species may include but are not limited to nest-specific no disturbance buffers, biological monitoring, rescheduling construction activities around sensitive periods for the species (e.g., nest establishment), and/or implementing construction best practices, such as staging equipment out of the species' line of sight from the nest tree. The avoidance/protection measures will be established before construction activities begin and continue until the adult and young birds are no longer reliant on the nest site.

Mitigation Measure BIO-3: Conduct Focused Surveys and Implement Measures to Minimize Potential for Impacts on San Joaquin Kit Fox.

To minimize potential effects of Project construction on San Joaquin kit fox, the District will ensure that the following measures are implemented:

- No more than 30 days before construction activities begin, a qualified biologist will conduct a pre-construction survey to determine the potential for a San Joaquin kit fox den to occur in the area. If potential or known den for San Joaquin kit fox is found, an exclusion zone will be established and maintained, in accordance with the *Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox* (USFWS 2011).
- If construction activity would occur within 50 feet of a potential den (i.e., a den that is not known to be occupied), monitoring will be conducted at the potential den for 3 consecutive days. If no San Joaquin kit fox activity is documented, construction activities can proceed. If San Joaquin kit fox activity is documented, the appropriate exclusion zone will be established and maintained, in accordance with the *Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox* (USFWS 2011).

- To prevent kit fox entrapment during construction, all excavated, steep-walled holes or trenches more than 2-feet-deep will be covered with plywood or similar material at the end of each workday. If the trenches cannot be closed, one or more escape ramps of no more than a 45-degree slope will be constructed of earthen fill or created with wooden planks. All covered or uncovered excavations will be inspected at the beginning, middle, and end of each day. Before trenches are filled, they will be inspected for trapped animals. If a trapped kit fox is discovered, construction activities in and near the excavation will stop, and escape ramps or structures will be installed immediately to allow the animal to leave voluntarily. Construction activities will not resume until the animal has left the area.
- All construction pipes or similar structures with a diameter of 4 inches or greater that are stored on the ground at a construction site for one or more overnight periods will be thoroughly inspected for wildlife before the pipe is buried, capped, or otherwise used or moved in any way. Pipes laid in trenches overnight will be capped. If a potential San Joaquin kit fox is discovered inside a pipe, all construction activities near the pipe will stop, and the animal will be allowed to leave the pipe voluntarily. Construction activities will not resume until the animal has left the area.
- All food-related trash items such as wrappers, cans, bottles, or food scraps generated during construction activities will be disposed of in closed containers and removed daily from the recharge site. No deliberate feeding of wildlife will be allowed, and no pets associated with construction personnel will be permitted on the recharge site.

#4 -b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

The Project sites do not support any riparian habitat, designated critical habitat, or other sensitive natural community identified in local or regional plans, policies, or regulations; there would be **no impact** on these resources.

#4 -c. Have a substantial adverse effect on state- or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

The R-3 Canal is not federally protected but may qualify as a state-protected water under the Porter-Cologne Water Quality Control Act. This canal would be affected by installing connections to the recharge basin but the effect would be localized and very minor. The connections would be installed when the canal is dry and would not result in a substantial adverse effect on the canal. Therefore, this impact would be **less than significant**.

#4 -d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

The Project site is part of a much larger extent of agricultural lands and does not serve as a corridor or other primary route for wildlife movement. Project activities would only occur during the day, while most wildlife movement would likely be at night. The Project site also is not known or anticipated to serve as a nursery site for any wildlife species. Therefore, implementing the Proposed Project would not substantially interfere with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sites; this impact would be **less than significant**.

#4 -e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

The 2004 Kern County General Plan, which is currently being updated, includes several policies and implementation measures designed to protect and conserve threatened and endangered species and oak trees (Kern County 2004). No oak trees are present on the Project site, and the Project has no potential to conflict with Kern County's General Plan oak retention policy. The Plan requires discretionary Projects to consider effects to biological resources and wildlife agency comments during the CEQA process; this is consistent with the CEQA process being implemented by the District for the Proposed Project. Therefore, implementing the Proposed Project would not conflict with any local policies or ordinances protecting biological resources and this impact would be **no impact**.

#4 -f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?

The Project site is in the northwestern portion of the Metropolitan Bakersfield Habitat Conservation Plan (HCP) area and within the proposed plan area for the potential Bakersfield HCP and Kern Valley Floor HCP. However, the Metropolitan Bakersfield HCP expired in January 2023 and a draft of the more comprehensive Bakersfield HCP has not been released. In addition, the draft of the Kern Valley Floor HCP was issued many years ago (Kern County Planning Department 2006) and a final plan has not been released. There is no indication either of these planned HCPs will be finalized and adopted before the proposed Project is implemented. In addition, converting the Project site from agricultural production to a recharge basin would not have an adverse effect on habitat quality for the species that may be covered by the future HCPs. Implementing the proposed Project would not conflict with any provisions of an adopted HCP or other conservation plan and there would be **no impact**.

3.5 Cultural Resources

#5. CULTURAL RESOURCES. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#5 -a. Cause a substantial adverse change in the significance of a historical resource pursuant to California Code of Regulations (CCR) Section 15064.5?	No.	Yes.	No.	No.	No.
#5 -b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to CCR Section 15064.5?	No.	Yes.	No.	No.	No.
#5 -c. Disturb any human remains, including remains interred outside of dedicated cemeteries?	No.	Yes.	No.	No.	No.

3.5.1 Environmental Setting

Cultural resources are defined as buildings, sites, structures, or objects, each of which may have historic, architectural, archaeological, cultural, or scientific importance.

Methods

The cultural resources investigations carried out for the proposed Project included a records search at the South San Joaquin Valley Information Center (SSJVIC), archival research, Native American consultation, and archaeological and built environment field surveys of the Project area.

Record Search

GEI archaeologist, Amy Wolpert, M.A., requested a records search at the SSJVIC, covering the Project area and a 0.5-mile buffer; the buffer was included to determine what types of resources might be within the Project area. A response was received on November 16, 2023 (Records Search File No.: 23-453). In the response, the SSJVIC records search concluded no cultural resources were identified within the Project footprint or within the 0.5-mile buffer. Additionally, no previous investigations have been conducted within the 0.5-mile buffer. One previous investigation (November 1985) was conducted within the Project area in support of the proposed, at the time, Rosedale Wastewater Treatment Plant. The investigation was conducted by the Cultural Resource Facility of the California State University, Bakersfield.

Field Survey

Access to the Project area is currently restricted and so no pedestrian survey was possible; however, GEI archaeologist William R. Gillean visited the Project area on November 26, 2023, to make observations from publicly accessible locations. No archeological resources were

observed during the visit. Neither were any built environment resources observed during the visit; given the much more visible nature of built environment resources both from on the ground as well as satellite images it is very likely that no built environment resources are within the Project area.

3.5.2 Discussion

a, b) Cause a substantial adverse change in the significance of a historical resource pursuant to in CCR Section 15064.5? Cause a substantial adverse change in the significance of an archaeological resource pursuant to CCR Section 15064.5?

Under CEQA, public agencies must consider the effects of their actions on “historical resources.” CEQA defines an “historical resource” as any resource listed in or determined to be eligible for listing in the California Register of Historical Resources (CRHR). The CRHR includes resources listed in or formally determined eligible for listing in the National Register of Historic Places (NRHP), as well as some California Historical Landmarks and Points of Historical Interest. Properties of local significance that have been designated under a local preservation ordinance (local landmarks or landmark districts) or that have been identified in a local historical resources inventory may be eligible for listing in the CRHR and are presumed to be significant resources for purposes of CEQA unless a preponderance of evidence indicates otherwise (California PRC Section 5024.1, 14 CCR Section 4850). The eligibility criteria for listing in the CRHR are similar to those for NRHP listing but focus on importance of the resources to California history and heritage.

A cultural resource may be eligible for listing in the CRHR if it:

1. is associated with events that have made a significant contribution to the broad patterns of California’s history and cultural heritage
2. is associated with the lives of persons important in our past
3. embodies the distinctive characteristics of a type, period, region, or method of construction or represents the work of an important creative individual or possesses high artistic values
4. or has yielded, or may be likely to yield, information important in prehistory or history

In addition to meeting one or more of the above criteria, resources eligible for listing in the CRHR must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. Integrity is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association (California Office of Historic Preservation 1999).

Impacts would be deemed significant if there is substantial adverse change by means of physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of the resource would be materially impaired. Per Section 15064.5

(b)(2) of the CEQA Guidelines the significance of a historical resource is materially impaired when a Project:

- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or
- Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the Project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
- Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for the purposes of CEQA.

No previously recorded archaeological resources are present within the Project footprint or within 0.5 mile of the Project footprint, and no built environment resources were discovered during the pedestrian survey.

Given the lack of identified resources during a past investigation that included the Project area, sensitivity for cultural resources appears to be low. The possibility remains, however, that a resource meeting CRHR significance criterion for a historical resource may be discovered during Project-related ground-disturbing activities. If this were to occur, then it would be a **potentially significant impact**. The following mitigation measure has been identified to address this impact:

Mitigation Measure CR-1: Address Previously Undiscovered Historic Properties, Archaeological Resources, and Tribal Cultural Resources.

If cultural resources are identified during Project-related ground-disturbing activities, all potentially destructive work in the immediate vicinity of the find should cease immediately and the District should be notified. In the event of an inadvertent discovery, additional CEQA review might be necessary to make a determination on a properties' eligibility for listing in the CRHR and any actions that would be necessary to avoid adverse effects. A qualified archaeologist should assess the significance of the find, make a preliminary determination, and if appropriate, provide recommendations for treatment. Any treatment plan should be reviewed by the District prior to implementation. Ground-disturbing activities should not resume near the find until treatment, if any is recommended, the find is complete or if the qualified archaeologist determines the find is not significant.

Implementing Mitigation Measure CR-1 would reduce the potential impact related to discovery of unknown historical resources to a less than significant level because the find would be assessed by an archaeologist and the treatment or investigation would be conducted in

accordance with CEQA and its implementing guidelines. Therefore, the proposed Project would have a **less than significant impact with mitigation**.

c) Disturb any human remains, including remains interred outside of dedicated cemeteries?

No human remains have been discovered in the Project area and it is not anticipated that human remains, including those interred outside of dedicated cemeteries, would be discovered during Project-related ground-disturbance activities. There is no indication from the records search or surrounding areas that human remains might be present within the Project area. However, in the event that human remains, including those interred outside of formal cemeteries and including associated items and materials, are discovered during subsurface activities, the human remains, and associated items and materials could be inadvertently damaged. Therefore, a **potentially significant impact** would occur. The following mitigation measure has been identified to address this impact:

Mitigation Measure CR-2: Avoid Potential Effects on Undiscovered Burials.

If human remains are found, the District should be immediately notified. The California Health and Safety Code requires that excavation be halted in the immediate area and that the County coroner be notified to determine the nature of the remains. The coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (Health and Safety Code, Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, the coroner must contact the Native American Heritage Commission (NAHC) by telephone within 24 hours of making that determination (Health and Safety Code, Section 7050.5[c]).

Once notified by the coroner, the NAHC shall identify the person determined to be the Most Likely Descendant (MLD) of the Native American remains. With permission of the legal landowner(s), the MLD may visit the site and make recommendations regarding the treatment and disposition of the human remains and any associated grave goods. This visit should be conducted within 24 hours of the MLD's notification by the NAHC (PRC Section 5097.98[a]). If a satisfactory agreement for treatment of the remains cannot be reached, any of the parties may request mediation by the NAHC (PRC, Section 5097.94[k]). Should mediation fail, the landowner or the landowner's representative must reinter the remains and associated items with appropriate dignity on the property in a location not subject to further subsurface disturbance (PRC, Section 5097.98[b]).

Implementing Mitigation Measure CR-2 would reduce the potentially significant impact related to discovery of human remains to a less than significant level because the find would be assessed by an archaeologist and treated or investigated in accordance with state and federal laws. Therefore, the proposed Project would have a **less than significant impact with mitigation**.

3.6 Energy

#6. ENERGY. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#6 -a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	No.	No.	Yes.	No.	No.
#6 -b. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?	No.	No.	No.	Yes.	No.

3.6.1 Environmental Setting

Electricity and natural gas are supplied to Kern County by Pacific Gas and Electric (PG&E), Southern California Edison, and Southern California Gas (Kern County 2004a). In 2018, the total electricity consumption for Kern County was approximately 15,942 million kilowatts per hour (California Energy Commission [CEC] 2022). Water movement to the groundwater recharge ponds will be primarily through gravity flow in existing facilities.

3.6.2 Discussion

#6 -a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during Project construction or operation?

The proposed Project would not result in significant environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources because the Project would only consume enough energy required to construct and operate the Project. The proposed Project would involve the use of diesel-fueled vehicles during constructions; however, use of these vehicles would be short-term and temporary. Water would be delivered to the site via the existing R-3 Canal, which would not result in an increase in energy consumption. The proposed Project will raise groundwater levels, thus reducing energy use for pumping from groundwater wells in the Project area. Therefore, impacts would be **less than significant**.

#6 -b. Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

Kern County does not have a local plan for renewable energy or energy efficiency. The proposed Project would comply with the state's Climate Commitment to reduce the reliance on non-renewable energy sources by half by 2030 (CEC 2015). There would be **no impact**.

3.7 Geology and Soils

#7. GEOLOGY AND SOILS. Would the Project?	Potentially Significant Impact.	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#7 -a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:	No.	No.	Yes.	No.	No.
#7 -a. i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)	No.	No.	Yes.	No.	No.
#7 -a. ii. Strong seismic ground shaking?	No.	No.	Yes.	No.	No.
#7 -a. iii. Seismic-related ground failure, including liquefaction?	No.	No.	No.	Yes.	No.
#7 -a. iv. Landslides?	No.	No.	Yes.	No.	No.
#7 -b. Result in substantial soil erosion or the loss of topsoil?	No.	No.	Yes.	No.	No.
#7 -c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	No.	Yes.	No.	No.	No.
#7 -d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated),), creating substantial direct or indirect risks to life or property?	No.	No.	Yes.	No.	No.
#7 -e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	No.	No.	No.	Yes.	No.
#7 -f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	No.	Yes.	No.	No.	No.

3.7.1 Environmental Setting

The Project site is located on the following soil types: Kimberline Fine Sandy Loam (0 to 2 percent slopes) and Wasco Sandy Loam (Natural Resources Conservation Service [NRCS] 2023). The proposed Project is located approximately 1.2 miles east of an unnamed quaternary fault (age undifferentiated) (California Geological Survey [CGS] 2010a). A quaternary fault is an

active fault that has been recognized at the surface and which has evidence of movement in the past 1.6 million years. The project is not located in or near a fault zone, landslide zone, or liquefaction zone (CGS 2023). The project site is located on marine and non-marine sedimentary rock (CGS 2010b). No recovery of recharged groundwater will take place onsite.

3.7.2 Discussion

#7 -a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

#7 -a. i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)

The proposed Project is not located within a fault zone (CGS 2023). The proposed Project is located approximately 1.2 miles east of an unnamed quaternary fault (CGS 2010a). Surface fault rupture is most likely to occur on active faults (i.e., faults showing evidence of displacement within the last 11,700 years). Damage from surface fault rupture is generally limited to a linear zone a few yards wide. Since the proposed Project is not located on an active fault line and is at least 1 mile away from a quaternary fault line, impacts would be **less than significant**.

#7 -a. ii. Strong seismic ground shaking?

The groundwater recharge pond would not pose a direct risk to people during seismic activity. A seismic event is unlikely to cause the berms (which hold the pond in place) to collapse. If the berms were to fail, the water would not be dispersed into nearby canals and agricultural fields because the pond would be excavated to a depth of 5 feet below ground surface elevation. Therefore, there would be no significant impact to people or structures from any seismic-related activity as a result of implementation of the proposed project. This impact would be **less than significant**.

#7 -a. iii. Seismic-related ground failure, including liquefaction?

The project site is not located within a known liquefaction zone (CGS 2023). Therefore, there would be **no impact**.

#7 -a. iv. Landslides?

The Project site is located in topographically flat areas and thus there would be no harm from landslides. Additionally, CGS does not identify the Project site as susceptible to landslides (CGS 2015b). Therefore, this impact would be **less than significant**.

#7 -b, c, and d. Result in substantial soil erosion or the loss of topsoil? Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial direct or indirect risks to life or property?

Because the excavated soil will be used to construct berms to contain the groundwater recharge ponds, the proposed Project will result in the reuse, but not loss, of topsoil. Operating the groundwater recharge ponds will increase groundwater in the subbasin and prevent subsidence. The berms will be constructed in such a manner as to prevent landslides and collapse. Soils present at the Project site consists of Kimberlina Fine Sandy Loam and Wasco Sandy Loam, both of which are considered to be expansive soils (NRCS 2023); however, the proposed Project would not create a direct or indirect risk to life or property because of the limited size and scope of the Project and rural/agricultural nature of the Project area.

Because construction activities would disturb an area larger than 1 acre, RRID is required to obtain coverage under the NPDES Construction General Permit, which includes preparation and implementation of a SWPPP. The SWPPP shall describe the construction activities to be conducted, BMPs that would be implemented to prevent soil erosion and contaminated stormwater discharges into waterways, and inspection and monitoring activities that would be conducted.

With the preparation and implementation of a Dust Control Prevention Plan, loss of topsoil would be minimized during construction. Operation of the pond would reduce the potential for loss of topsoil and wind-borne erosion. Therefore, there would be **less than significant** impacts.

#7 -e. Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

The Project would not require the use of septic tanks or alternative wastewater disposal systems. Temporary portable restrooms would likely be provided for construction workers. Therefore, there would be **no impact**.

#7 -f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

The Project is located on marine and non-marine sedimentary rock that consist of alluvium, lake, playa, and terrace deposits, and is from the Pleistocene-Holocene ages (CGS 2015c). Since paleontological resources are found almost exclusively in sedimentary rock, there is a chance of discovering unknown paleontological resources within the Project sites. Therefore, a **potentially significant impact** would occur. The following mitigation measure has been identified to address this impact:

Mitigation Measure GEO-1: Avoid Potential Effects on Paleontological Resources.

In the event that a paleontological resource is uncovered during Project implementation, all ground-disturbing work within 165 feet (50 meters) of the discovery shall be halted. A qualified paleontologist shall inspect the discovery and determine whether further investigation is required. If the discovery can be avoided and no further impacts will occur, no further effort shall be required. If the resource cannot be avoided and may be subject to further impact, a qualified paleontologist shall evaluate the resource and determine whether it is “unique” under CEQA, Appendix G, part VII. The determination and associated plan for protection of the resource shall be provided to the District for review and approval. If the resource is determined not to be unique, work may commence in the area. If the resource is determined to be a unique paleontological resource, work shall remain halted, and the paleontologist shall consult with the District staff regarding methods to ensure that no substantial adverse change would occur to the significance of the resource pursuant to CEQA. Preservation in place (i.e., avoidance) is the preferred method of mitigation for impacts to paleontological resources and shall be required unless there are other equally effective methods. Other methods may be used but must ensure that the fossils are recovered, prepared, identified, catalogued, and analyzed according to current professional standards under the direction of a qualified paleontologist. All recovered fossils shall be curated at an accredited and permanent scientific institution according to Society of Vertebrate Paleontology standard guidelines; typically, the Natural History Museum of Los Angeles County and University of California, Berkeley accept paleontological collections at no cost to the donor. Work may commence upon completion of treatment, as approved by the District.

Implementing Mitigation Measure GEO-4 would reduce the potential impact related to discovery of unknown paleontological resources to a less than significant level because the fossil would be preserved. Therefore, the proposed Project would have a **less than significant impact with mitigation**.

3.8 Greenhouse Gas Emissions

#8. GREENHOUSE GAS EMISSIONS. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#8 -a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	No.	No.	<u>Yes.</u>	No.	No.
#8 -b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	No.	No.	<u>Yes.</u>	No.	No.

3.8.1 Environmental Setting

On June 1, 2005, Governor Schwarzenegger announced Executive Order S-3-05, which established the following greenhouse gas (GHG) emission reduction targets:

- By 2010, California shall reduce GHG emissions to 2000 levels
- By 2020, California shall reduce GHG emissions to 1990 levels
- By 2050, California shall reduce GHG emissions to 80 percent below 1990 levels

California’s statewide reduction goals were subsequently revised by legislation (Assembly Bill 32 Health & Safety Code § 38500 et seq.) requiring California to reduce its overall GHG emissions to 1990 levels by 2020 and 40% below 1990 levels by 2030. GHGs were defined as carbon dioxide (CO₂), Methane (CH₄), Nitrous Oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), and Sulfur Hexafluoride (SF₆).

CARB was appointed to develop policies to achieve this goal. Subsequently, Senate Bill 32 (Health & Safety Code § 38566) increased and extended the emission reduction mandate to 40 percent below 1990 levels by 2030. Executive Order B-55-18 set a target of statewide carbon neutrality by 2045. In 2017, CARB published an updated *Climate Change Scoping Plan: The Strategy for Achieving California’s 2030 Greenhouse Gas Target* (Scoping Plan).

Kern County has not adopted a local plan for reducing GHG emissions. The SJVAPCD has adopted the *Guidance for Valley Land-use Agencies Addressing GHG Emissions Impacts for New Projects under CEQA* (Guidance) (SJVAPCD 2009). Although the Guidance addresses stationary source and development projects, RRID has adopted it for construction-related projects.

3.8.2 Discussion

#8 -a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

GHG emissions would be generated during the construction phase of the proposed Project from the use of diesel-powered vehicles. Project operations, which includes water conveyance, will not result in GHG emissions. During operations, vehicle usage, and therefore GHG emissions, would be minimal. Therefore, GHG emissions related to vehicle engine exhaust would be **less than significant**.

#8 -b. Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

California has issued numerous Executive Orders directing state agencies to implement programs to reduce GHG emissions to meet 2030 target of 40 percent below 1990 levels (California 2018). CARB is the primary state agency responsible implementing GHG reduction programs. The Scoping Plan (CARB 2017) describes agriculture’s role in emissions reductions and carbon sequestration. Natural and working lands are a key sector in the state’s climate change strategy. Storing carbon in trees, other vegetation, soils, and aquatic sediment is an effective way to remove carbon dioxide from the atmosphere (CARB 2017).

The Scoping Plan states that, “In 2030 and 2050, the agricultural sector must remain vibrant and strong. California’s agricultural production is critical to global food security. It is also vulnerable to climate change.” The Scoping Plan points out that “Resilient natural and working lands provide habitat for species and functions to store water, recharge groundwater, naturally purify water, and moderate flooding.” “California’s natural and working lands make the state a global leader in agriculture, a U.S. leader in forest products, and a global biodiversity hotspot. These lands support clean air, wildlife and pollinator habitat, rural economies, and are critical components of California’s water infrastructure. Keeping these lands and waters intact and at high levels of ecological function (including resilient carbon sequestration) is necessary for the well-being and security of Californians in 2030, 2050, and beyond. Forests, rangelands, farms, wetlands, riparian areas, deserts, coastal areas, and the ocean store substantial carbon in biomass and soils.”

State policy is clear that preservation of agriculture is a critical goal, and a benefit to GHG reduction. The proposed Project is designed to recharge groundwater, making water supplies available to irrigated agriculture during times of drought. For these reasons, the proposed Project is compatible with the state’s climate change policy.

Kern County does not have an adopted local GHG reduction plan. The SJVAPCD provides guidance for addressing GHG emissions from land use development projects. The SJVAPCD considers development projects to be less than significant if the Project achieves 29 percent GHG emission reductions target by using approved Best Performance Standards (BPS), which includes Project design elements and technologies, such as the use of energy efficient equipment, that reduce GHG emissions (SJVAPCD 2009). The Guidance does not require quantification of

Project specific GHG emissions for projects that implement BPS. Consistent with CEQA Guidelines, such projects would be determined to have a less than significant individual and cumulative impact for GHG emissions (SJVAPCD 2009). Because the District would comply with state policy regarding climate change and the SJVAPCD Guidance, the impact would be **less than significant**.

3.9 Hazards and Hazardous Materials

#9. HAZARDS AND HAZARDOUS MATERIALS. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#9 -a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	No.	No.	Yes.	No.	No.
#9 -b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	No.	No.	Yes.	No.	No.
#9 -c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	No.	No.	No.	Yes.	No.
#9 -d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	No.	No.	No.	Yes.	No.
#9 -e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	No.	No.	Yes.	No.	No.
#9 -f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	No.	No.	No.	Yes.	No.
#9 -g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	No.	No.	No.	Yes.	No.

3.9.1 Environmental Setting

The database search included all data sources included in the Cortese List (enumerated in PRC Section 65962.5). These sources include the GeoTracker database, a groundwater information management system that is maintained by the State Water Resources Control Board (State Water Board); the Hazardous Waste and Substances Site List (i.e., the EnviroStor database), maintained by the California Department of Toxic Substances Control (DTSC); and EPA’s Superfund Site database (DTSC 2023a and 2023b, State Water Board 2023a and 2023b, CalEPA 2023). There were no hazardous materials sites identified within 0.25 mile of the Project site. The Project site

is not in an area identified as more likely to contain asbestos by the California Department of Conservation (DOC 2000). This issue is not discussed further in this IS/MND.

There are no schools within 0.25 mile of the Project site. The nearest school to the Project site is Rio Bravo Elementary School located approximately 1.9 miles to the west.

The Project site is not located in a high severity fire hazard zone (California Department of Forestry and Fire Department [CALFIRE] 2007a and 2007b).

3.9.2 Discussion

#9 -a, b. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

The Project consists of temporary construction activities and would not result in new or different long-term activities that would include the use, transport, or disposal of hazardous materials; however, Project construction would involve the storage, transport, and use of small amounts of hazardous substances necessary to operate and maintain construction vehicles and equipment such as oils, lubricants, and fuel. The Project would not involve routine or long-term transport or disposal of such materials. None of the proposed Project activities would involve the use of acutely hazardous materials.

The transport and use of hazardous materials are strictly regulated by local, state, and federal agencies to minimize adverse hazards from accidental release. EPA, California Highway Patrol, Caltrans, and DTSC implement and enforce state and federal laws regarding hazardous material transportation. Contractors would be required to use, store, and dispose of any hazardous materials in accordance with all applicable regulations. Additionally, RRID would prepare and implement a SWPPP to prevent and control pollution and to minimize and control runoff and erosion in compliance with state and local laws. The SWPPP would include construction techniques and BMPs, as appropriate to reduce the potential for runoff and exposure to hazardous materials.

Compliance with state and federal laws as well as implementation of a SWPPP would reduce the potential impact from accidental spill of or exposure to hazardous materials during routine use, transport, or disposal. The SWPPP would include a spill prevention, control, and countermeasure plan, and would identify the types of materials used for equipment operation (including fuel and hydraulic fluids), along with measures to prevent and materials available to clean up hazardous material and waste spills. The SWPPP would also identify emergency procedures for responding to spills. Therefore, the proposed Project would have a **less than significant** impact.

#9 -c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

There are no schools within 0.25 mile of the Project site. There would be **no impact**.

#9 -d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

The Project site is not identified on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5. There would be **no impact**.

#9 -e. For a Project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard or excessive noise for people residing or working in the Project area?

Kern County has established an Airport Land Use Compatibility Plan which has been incorporated into the General Plan (Kern County 2012). The purpose of the Airport Land Use Compatibility Plan is to establish procedures and criteria by which Kern County and affected incorporated cities can address compatibility issues when making planning decisions. The Project is located approximately 5.5 miles southwest of Minter Field. The Project site is not located within an Airport Influence Area and as such would not need to be reviewed to insure compatibility with the Airport Land Use Compatibility Plan. There would be **no impact**.

#9 -f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Kern County does not have an adopted emergency response plan or emergency evacuation plan; however, the Project would not affect emergency response or evacuation activities as the construction of the groundwater recharge ponds are minimal in scope and size when compared to other facilities in the Central Valley. Additionally, the Project would not require any road closures for Project implementation and therefore the Project would not interfere with traffic routes or response vehicle transport. There would be **no impact**.

#9 -g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

The Project site is not located in a very high fire hazard severity zone (CAL FIRE 2007a, 2007b). Construction activities would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires. There would be **no impact**.

3.10 Hydrology and Water Quality

#10. HYDROLOGY AND WATER QUALITY. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#10 -a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	No.	<u>Yes.</u>	No.	No.	No.
#10 -b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	No.	No.	<u>Yes.</u>	No.	No.
#10 -c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	No.	No.	No.	<u>Yes.</u>	No.
#10 -c. i. result in substantial erosion or siltation on- or off-site;	No.	No.	<u>Yes.</u>	No.	No.
#10 -c. ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	No.	No.	No.	<u>Yes.</u>	No.
#10 -c. iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	No.	No.	No.	<u>Yes.</u>	No.
#10 -c. iv. impede or redirect flood flows?	No.	No.	No.	<u>Yes.</u>	No.
#10 -d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	No.	No.	No.	<u>Yes.</u>	No.
#10 -e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	No.	No.	No.	<u>Yes.</u>	No.

3.10.1 Environmental Setting

RRID has a distribution system with the capacity to meet the irrigation water requirements of all irrigated lands. Even though serviced by NKWSD, RRID does not benefit from the same water rights that are available to the NKWSD; accordingly, groundwater remains the principal source

of water within RRID, with surface water being purchased and delivered by NKWSD on an “as-available” basis, which is relatively infrequent.

Where farmlands in RRID are proximate to urban areas, there has been pressure to convert these lands to urban uses. Urbanization is occurring throughout the Kern County Subbasin and other water districts are also facing this issue. To date, RRID area has been the primary target for urbanization as the City of Bakersfield expands to the north. Approximately 1,000 acres have been annexed to the City of Bakersfield since formation of RRID in 1980.

3.10.2 Discussion

#10 -a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Potential impacts to groundwater quality were determined by comparing water quality data near the proposed Project to Kern River. **Table 3-6** compares water quality from Kern River (untreated) and FKC to be used for groundwater recharge (column number 3) against groundwater quality observations recorded by the Vaugh Water Company (column number 4), which is immediately adjacent to RRID. The data also shows the drinking water standards, which may include Maximum Contaminant Levels (MCLs), Secondary Maximum Contaminant Levels, or Notification Levels for applicable constituents.

Table 3-6. Comparison of Water Quality Data from Kern River and Nearby Groundwater.

Constituent	Drinking Water Standard	Kern River ¹	Friant-Kern Canal ¹	Groundwater ²	Units
Arsenic	10	6	ND	3.13	µg/L
Fluoride	2	0.27	ND	0.30	mg/L
Iron	300	120	ND	7.7	µg/L
Turbidity	5	1.78	1.31	0.08	Units
Total Dissolved Solids	1000	118	73	234.60	mg/L
Specific Conductance	1600	213	133	405.90	uS/cm
Chloride	500	7.34	6.61	57.70	mg/L
Sulfate	500	20.1	7.67	24.50	mg/L
Total Hardness (as CaCO ₃)	N/A	58.2	41.2	45.00	mg/L
Sodium	N/A	23.4	11.8	52.80	mg/L
Boron	1	0.18	ND	0.08	mg/L
Gross Alpha	15	4.74	ND	2.14	pCi/L
Aluminum	1	ND	0.055	0.002	mg/L
Barium	1	ND	ND	0.008	mg/L
Chromium (Total)	0.05	ND	ND	0.3	mg/L
Nitrate (as N)	10	ND	0.31	1.76	mg/L
Vanadium	0.05	ND	0.004	2.90	mg/L
Radon	N/A	--	--	0.299	mg/L
1,2,3 – Trichloropropane (TCP)	5	ND	ND	0.24	ng/L
Manganese	50	233	ND	--	µg/L

Constituent	Drinking Water Standard	Kern River ¹	Friant-Kern Canal ¹	Groundwater ²	Units
Total Alkalinity (as CaCO ₃)	N/A	76	82	--	mg/L
Bicarbonate	N/A	92.7	56.1	--	mg/L
Calcium	N/A	18.0	14.6	--	mg/L
Magnesium	N/A	3.23	1.15	--	mg/L
Potassium	N/A	2.40	1.48	--	mg/L
pH	N/A	8.30	9.00	--	Units
Bromide	N/A	0.02	0.02	--	mg/L
Silica	N/A	7.8	15.4	--	mg/L
Total Organic Carbon	N/A	2.8	2.3	--	mg/L

Notes:

N/A = no applicable drinking water standard

the constituent that is greater is bolded

ND = the constituent was not detected

-- = water quality data was not available or considered not detected from Consumer Confidence Report

mg/L = milligrams per liter

ng/L = nanograms per liter

µg/L = micrograms per liter

pCi/L = picocuries per liter

Sources: ¹ Kern County Water 2022, ² Vaughn Water Company 2022

The recharge of surface water with groundwater through recharge operations will result in blended water quality. The actual aquifer water quality resulting from the mixing of surface and groundwater will depend on the volume of water recharged, the duration of recharge, and the distance away from the Project. No adverse geochemical reactions are predicted based on the mixing of surface and groundwater quality for the proposed Project. Because surface water has levels of arsenic, iron, and boron that are higher than those found in groundwater, the blended mix that results from recharge will lead to lower levels of those constituents in the mixing zone within the aquifer. Manganese in surface water, which is the only constituent that exceeded a drinking water standard, will also be blended to a lower level.

Based on database searches (*see* Section 3.9 “Hazards and Hazardous Materials”), use of hazardous material has not been recorded on-site; however, undiscovered pollutants (if present), such as nitrogen and other fertilizers during farming production, may migrate from the soil into the groundwater system during recharge. Therefore, a **potentially significant impact** could occur. The following mitigation measure has been identified to address this impact:

Mitigation Measure HYDRO-1: Monitor Groundwater Quality.

To minimize potential effects of project construction and operation on groundwater quality, the District will ensure that the following measures are implemented:

- The District will use an existing groundwater extraction well on or near the Project site to monitor groundwater levels and quality during and after recharge operations. The purpose of monitoring is to verify groundwater recharge is not detrimentally affecting groundwater quality in the Project area.
- During construction of the recharge basins, up to 5 feet of fine ground soils (silts and clays) will be excavated from each recharge basin to expose the

underlying fine to medium grained sand in the base of each recharge basin. During soil excavation and removal, the contractor and inspecting engineer will monitor for evidence of soil contamination (color, odor, buried tanks, pipelines). If contaminated soils are encountered during excavation, these soils will be analyzed to identify the type and extent (vertically and horizontally) of contamination present. Contaminated soils will either be treated on site or disposed of at a hazardous waste landfill.

- If contaminated soils are encountered during construction, additional groundwater monitoring wells may be installed to verify that groundwater has not been impacted. As an added measure of protection, the District will cease the construction of the pond in and adjacent to contaminated soils. During the operational phase of the proposed project, the District will conduct annual monitoring to verify that groundwater quality is not being adversely impacted by the recharge operation.

Implementing Mitigation Measure HYDRO-1 would reduce the potential effects related to groundwater resources to a less than significant level because monitoring and corrective action. Therefore, the proposed project would have a **less than significant impact with mitigation**.

#10 -b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Changes to groundwater levels are expected to be beneficial to existing and potential users of the groundwater resource by raising groundwater levels in the vicinity of the recharge site, resulting in lower energy costs to lift water from nearby wells. The proposed site is suitable for groundwater recharge because of the favorable topography and soils (NKWSD 2014 and 2019).

Based on the Soil Survey Geographic Database (SSURGO), soils in the Project area belong to Hydrologic Group A (NRCS 2024). Soils in this group have low runoff potential when thoroughly wet and water is transmitted freely. Group A soils have high infiltration rates as they are composed of well drained sands or gravelly sands giving the group the highest potential for contributing to groundwater recharge of any hydrologic soils group.

The Project area is also mapped as being of the Nitisol taxonomic soil order. These soils are characterized by the absence of soil horizons due to recent deposition or active erosion under extreme wet or dry conditions. The recent formation and absence of soil horizons suggests the lack of confining layers would obstruct the percolation of recharged water to the area's principal aquifer.

Both the hydrologic soils group classification and the taxonomic soil order support the inference that water diverted to the Project will infiltrate through the soil surface and that the infiltrated water will not be impeded by clay lenses or other obstructions as it percolates to the principal aquifer. Further, no horizontal restrictions are noted that would preclude formation of a groundwater mound that would extend from the recharge site.

The suitability of the Project site for groundwater recharge is also supported by the Soil Agricultural Groundwater Banking Index (SAGBI). SAGBI is a tool developed by the University of California, Davis (UCD) that is widely used to rate the suitability of lands for groundwater banking. The index is largely based on soil and agronomic data and examines the following five evaluation factors:

- Deep percolation: This factor is derived from the soil horizon with the lowest saturated hydraulic conductivity (Ksat). Saturated hydraulic conductivity is a measure of soil permeability when soil is saturated.
- Root zone residence time: The root zone residence time factor estimates the likelihood of maintaining good drainage within the root zone shortly after water is applied. This rating is based on the harmonic mean of the Ksat of all horizons in the soil profile, soil drainage class and shrink-swell properties.
- Chemical limitations: The chemical limitations factor is quantified using the electrical conductivity of the soil.
- Topographic limitations: Flat topography is better suited for holding water on the landscape, thereby allowing for infiltration across large areas, reducing ponding and minimizing erosion by runoff. Ranges in slope percent are used to categorize soils according to the suitability of their slopes.
- Surface conditions: Depending on water quality and depth, standing water can impair a soil's suitability for recharge by damaging soil aggregates, forming soil crusts, and compaction. The sodium adsorption ratio and the soil erosion factor are used to estimate soil susceptibility to erosion, disaggregation, and crust formation.

SAGBI applies these evaluation factors to assign a SAGBI Rating Class to prospective recharge sites. Of SAGBI's six Rating Classes, the Project site and its vicinity receive a Rating Class of "excellent", the highest possible outcomes (UCD 2024). This rating is consistent with inferences drawn from the hydrologic soils group classification and the taxonomic soil order.

Based on the characteristics of the soils found in the Project area and the SAGBI rating, the proposed Project will raise groundwater levels in the vicinity of the recharge site. Thus, recharge from the Project will have the beneficial results of lowering energy costs to lift water from nearby wells, improving water quality through introduction of high-quality surface water and contributing to the Kern County Subbasin's efforts to comply with SGMA by raising groundwater elevations. The District will confirm these benefits by monitoring groundwater levels in Mitigation Measure HYDRO-1. Therefore, the proposed project would have a **less than significant impact with mitigation**.

#10 -c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

#10 -i, ii, iii, and iv) Result in substantial erosion or siltation on- or off-site; Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or Impede or redirect flood flows?

The District would create a 110-acre groundwater recharge facility which would alter the existing drainage pattern of the site; however, the purpose of the proposed Project is to retain water. RRID would prepare and implement a SWPPP, which will describe the construction activities to be conducted, BMPs that would be implemented to prevent soil erosion and contaminated stormwater discharges into waterways, and inspection and monitoring activities that would be conducted. As part of ongoing maintenance, RRID would maintain the ponds so that substantial erosion and siltation do not occur. Because surface water would be held within the ponds, the facility would not result in off-site runoff or redirection any flood flows. The Project does not increase impervious surfaces. The proposed Project is located in an agricultural area that does not contain a stormwater drainage system. Therefore, impacts are **less than significant**.

#10 -d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

The Project is not located in a flood hazard, tsunami, or seiche zone, therefore there will be **no impact**.

#10 -e. Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

The Project purpose is to enhance groundwater management by increasing RRID's ability to recharge groundwater in wet years. Therefore, the impact is **less than significant**.

3.11 Land Use and Planning

#11. LAND USE AND PLANNING. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#11 -a. Physically divide an established community?	No.	No.	No.	<u>Yes.</u>	No.
#11 -b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	No.	No.	No.	<u>Yes.</u>	No.

3.11.1 Environmental Setting

The Project site is zoned as letter “A” (signifying exclusive agriculture) (Kern County 2023). The Project site is located in a rural area surrounded by various agricultural crops, orchards, and water conveyance canals.

3.11.2 Discussion

#11 -a and b. Physically divide an established the community, and cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

The proposed Project is located within a historically active agricultural field, in an area zoned exclusively for agriculture (Kern County 2023). The proposed Project is also located outside of existing communities and are consistent with existing zoning. The proposed Project is located within the Metropolitan Bakersfield HCP area and the proposed plan area for the potential Bakersfield HCP and Kern Valley Floor HCP; however, the Metropolitan Bakersfield HCP expired in January 2023 and a draft of the more comprehensive Bakersfield HCP has not been released. There is no indication either of these planned HCPs will be finalized and adopted before the proposed Project is implemented. Therefore, there would be **no impact**.

3.12 Mineral Resources

#12. MINERAL RESOURCES. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#12 -a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?	No.	No.	Yes.	No.	No.
#12 -b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	No.	No.	No.	Yes.	No.

3.12.1 Environmental Setting

The Project site is located within a Surface Mining and Reclamation Act of 1975 (SMARA) study area for aggregate materials in the Bakersfield production-consumption region. The Project site is designated as Mineral Resource Zone-3 (Areas containing mineral deposits, the significance of which cannot be evaluated from available data) (DOC 2009).

3.12.2 Discussion

#12 -a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?

The Project site is located in a S.M.A.R.A. study area but there are no known significant mineral deposits. The Project includes construction of groundwater recharge pond which would be constructed on a historically active agricultural field and would disturb approximately 110 acres. There would be no loss of mineral resources, however, the site would not be available for extraction of mineral resources (if any are present) while the pond is operational. Therefore, this impact would be **less than significant**.

#12 -b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

The Project is not located within the vicinity of a locally important mineral resource recovery site. There would be **no impact**.

3.13 Noise

#13. NOISE. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#13 -a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or in other applicable standards of other agencies?	No.	No.	Yes.	No.	No.
#13 -b. Generation of excessive groundborne vibration or groundborne noise levels?	No.	No.	Yes.	No.	No.
#13 -c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	No.	No.	Yes.	No.	No.

3.13.1 Environmental Setting

The Project is located in an agricultural area. The closest sensitive receptors would be the residences located on the north side of SR 58, approximately 0.80 miles east of the Project on Kratzmeyer Road. The Kern County Code of Ordinances states that construction related noise is limited to the hours of 6:00 a.m. to 9:00 p.m. on weekdays and 8:00 a.m. to 9:00 p.m. on weekend (Kern County 2020).

3.13.2 Discussion

#13 -a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or in other applicable standards of other agencies?

Construction noise impacts typically occur when construction activities take place during noise-sensitive times of the day (e.g., early morning, evening, or nighttime hours), when construction activities occur immediately adjacent to noise sensitive land uses, or when construction durations last over extended periods of time. Construction of the proposed Project would temporarily increase the ambient noise levels within the vicinity of the Project site.

Although construction activities would for the most part occur only during the daytime hours, uncontrolled construction noise could still be considered disruptive to residents adjacent to the proposed Project. Therefore, the proposed Project would generate temporary construction noise

from the use of heavy machinery during construction activities, and from the transport of construction workers and materials to the site. The list of construction equipment that may be used for Project construction activities is shown in **Table 3-7** with typical noise levels generated at 50 feet from the equipment (reference levels). Since the closest sensitive noise receptor is approximately 0.80 miles from the Project site, construction noise levels at the sensitive noise receptors would be considerably lower. Additionally, construction related noise would be short-term and temporary and therefore is not considered significant. All work at the proposed Project sites would be limited to the hours identified in Kern County’s Noise Ordinance.

Table 3-7: Typical Noise Levels from Equipment.

Type of Equipment	Typical Noise Levels (dBA) L _{max} at 50 feet
Backhoe	80
Dozer	82
Drill Rig	79
Excavator	81
Hoist Crane	81
Trencher	80
Pick-up Truck	75
Water Truck	75

Notes:
 dB = decibels; L_{max} = maximum instantaneous sound level
 Leq = 1-hour equivalent sound level (the sound energy averaged over a continuous 1-hour period)
 Source: Construction equipment list based on Federal Highway Administration 2006, adapted by GEI.

During operations, the proposed Project will not generate loud noises. Therefore, noise impacts would be **less than significant**.

#13 -b. Generation of excessive groundborne vibration or groundborne noise levels?

Ground vibration would only be caused during construction activities and would primarily occur during excavation of the groundwater recharge ponds. Ground vibrations could be detectable by nearby sensitive receptors; however, the closest sensitive noise receptor is approximately 0.80 miles from the Project site so a vibrational impact would not be significant. No adverse levels of vibration would be generated during Project operations. Therefore, vibration impacts would be **less than significant**.

#13 -c) For a project located within-the vicinity of a private airstrip or-an airport land use plan or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

Kern County has established an Airport Land Use Compatibility Plan which has been incorporated into the General Plan (Kern County 2012). The Project is located approximately 5.5 miles southwest of Minter Field. The Project is not within an Airport Land Use Compatibility Plan. *See* Section 3.9 “Hazards and Hazardous Materials” Question 9e for further discussion. This impact would be **less than significant**.

3.14 Population and Housing

#14. POPULATION AND HOUSING. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#14 -a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	No.	No.	No.	<u>Yes.</u>	No.
#14 -b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	No.	No.	No.	<u>Yes.</u>	No.

3.14.1 Environmental Setting

The Project sites are located in unincorporated Kern County. In 2019, the population of Kern County was estimated to be 907,476 in (Department of Finance 2023).

3.14.2 Discussion

#14 -a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The proposed Project would not include any new developments that would support or facilitate construction of new homes or businesses or extend roadways or other infrastructure that could increase population near the proposed Project. The Project neither involves construction of any permanent housing nor requires additional employees for operation. The Project would not increase the amount of water pumped to the District. There would be **no impact**.

#14 -b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

The Project would not displace people or housing. The Project is located in an area zoned as “exclusive agriculture” with little to no residential properties in the vicinity. There would be **no impact**.

3.15 Public Services

#15. PUBLIC SERVICES. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#15 -a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:	No.	No.	No.	<u>Yes.</u>	No.
Fire protection?	No.	No.	No.	<u>Yes.</u>	No.
Police protection?	No.	No.	No.	<u>Yes.</u>	No.
Schools?	No.	No.	No.	<u>Yes.</u>	No.
Parks?	No.	No.	No.	<u>Yes.</u>	No.
Other public facilities?	No.	No.	No.	<u>Yes.</u>	No.

3.15.1 Environmental Setting

The Kern County Sheriff and California Highway Patrol provide law enforcement services for unincorporated Kern County. The Kern County Fire Department provides fire protection to residents of the unincorporated areas of the County, and the cities of Arvin, Delano, Maricopa, McFarland, Ridgecrest, Shafter, Tehachapi and Wasco (Kern County 2004b). A mutual agreement between the County and the cities of Bakersfield, Taft, and California City allows for protection and assistance in the jurisdiction of each as needed. The County also has a mutual aid contract with USFWS and a service agreement with the Bureau of Land Management.

3.15.2 Discussion

#15 -a. Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:

The proposed Project would not require new or altered government facilities, as the Project would not increase the need for public services from the existing conditions. There would be **no impact**.

3.16 Recreation

#16. RECREATION. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#16 -a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	No.	No.	No.	<u>Yes.</u>	No.
#16 -b. Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	No.	No.	No.	<u>Yes.</u>	No.

3.16.1 Environmental Setting

The only recreational facilities within 3 miles from the Project are located at the Rio Bravo Elementary School.

3.16.2 Discussion

#16-a and b. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated or include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?

The Project is not growth inducing and would not increase the use of existing parks or recreational facilities or require the construction or expansion of recreational facilities. There would be **no impact**.

3.17 Transportation

#17. TRANSPORTATION. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#17 -a. Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	No.	No.	No.	<u>Yes.</u>	No.
#17 -b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	No.	No.	No.	<u>Yes.</u>	No.
#17 -c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	No.	No.	No.	<u>Yes.</u>	No.
#17 -d. Result in inadequate emergency access?	No.	No.	No.	<u>Yes.</u>	No.

3.17.1 Environmental Setting

The proposed Project is located in rural, unincorporated Kern County. The Project is located approximately 1.9 miles east of State Route 43. There are no transit or on-street bicycle/pedestrian facilities near the Project.

3.17.2 Discussion

#17 -a, b, c, and d). Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)? Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? Result in inadequate emergency access?

The Project would not conflict with any program plan, ordinance, or policies. Construction and operation of the Project would be located entirely within the 110-acre site. Traffic would utilize existing Snow Road and/or Kratzmeyer Road to deliver equipment, supplies, and workers to and from the Project site. The Project would not require any road closures or result in inadequate emergency access. Since no new roads are being developed, the Project would not increase hazards due to a geometric design feature or incompatible uses. There would be **no impact**.

3.18 Tribal Cultural Resources

#18. TRIBAL CULTURAL RESOURCES. Would the Project cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#18 -a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in PRC Section 5020.1(k), or	No.	No.	No.	<u>Yes.</u>	No.
#18 -b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	No.	No.	No.	<u>Yes.</u>	No.

3.18.1 Environmental Setting

A request for a Sacred Lands File search was filed with the Native American Heritage Commission (NAHC) by GEI archaeologist Amy Wolpert. A response was received from the NAHC on December 5, 2023; the search failed to identify any tribal cultural resources on or in the vicinity of the proposed Project (NAHC 2023).

The District has not received any notice from California Native American tribes requesting consultation on projects per AB 52 (PRC Section 21080.3.1) and so no letters requesting consultation could be sent.

3.18.2 Discussion

#18 -a and b) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in PRC Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in PRC Section 5020.1(k)? A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to

criteria set forth in subdivision (c) of PRC Section 5024.1. In applying the criteria set forth in subdivision (c) of PRC Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

There are no known tribal cultural resources located in the vicinity of the Project. There are no known Indian Sacred Sites in the vicinity of the Project. Since no known Indian Sacred Sites have been identified within any of the Project area, there would be no direct, indirect, or cumulative impacts to Indian Sacred Sites from the proposed Project. The proposed Project would not have the potential to affect or prohibit access to any ceremonial use of Indian Sacred Sites. There would be **no impact**.

3.19 Utilities and Service Systems

#19. UTILITIES AND SERVICE SYSTEMS. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#19 -a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	No.	No.	No.	<u>Yes.</u>	No.
#19 -b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	No.	No.	No.	<u>Yes.</u>	No.
#19 -c. Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	No.	No.	No.	<u>Yes.</u>	No.
#19 -d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	No.	No.	<u>Yes.</u>	No.	No.
#19 -e. Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?	No.	No.	<u>Yes.</u>	No.	No.

3.19.1 Environmental Setting

The Project is served by PG&E, Southern California Edison, and Southern California Gas (Kern County 2004a). Sewage disposal is handled by both public and private agencies, and by private individual systems. Several incorporated and unincorporated communities are served by wastewater treatment plants managed by community service districts. The closest wastewater treatment plant to the Project is the Wasco Wastewater Treatment Plant, which is approximately 15 miles northwest. Domestic water is serviced to the public by various water purveyors consisting of public and private water systems. The Kern County Waste Management Department currently owns and operates seven Class II Landfills, of which the closest landfill is the Metropolitan Bakersfield Sanitary Landfill located in Bakersfield (Kern County 2004b).

3.19.2 Discussion

#19 -a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

No utility services would need to be constructed or expanded as a result of the proposed Project. Water would be delivered to the site delivered via existing water conveyances, such as the R- 3 Canal. Implementation of the proposed Project would result in **no impact**.

#19 -b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

The proposed Project consists of constructing a groundwater recharge pond with water obtained from existing District sources and delivered via existing water conveyances. The District would only deliver water during “wet” years when surface water supplies are adequate. There is no reasonably foreseeable future development related to the construction and operation of the proposed Project. There would be **no impact**.

#19 -c. Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?

See Question “a” above. Wastewater would not be produced as a result of the proposed Project. There would be **no impact**.

#19 -d and e) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? Comply with Federal, State, and local management and reduction statues and regulations related to solid waste?

The proposed Project would not create substantial amounts of solid waste, and as such would not exceed the capacity of local infrastructure. Minimal waste would be generated during construction and no increase in waste production would occur during the operation of the Project. The Project would comply with federal, state, and local management and reduction statues and regulations related to solid waste. There would be **less than significant impacts**.

3.20 Wildfire

#20. WILDFIRE. If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#20 -a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	No.	No.	No.	<u>Yes.</u>	No.
#20 -b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	No.	No.	No.	<u>Yes.</u>	No.
#20 -c. Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	No.	No.	No.	<u>Yes.</u>	No.
#20 -d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	No.	No.	No.	<u>Yes.</u>	No.

3.20.1 Environmental Setting

The Project is not located in a high severity fire zone (CAL FIRE 2007a). The Project is located in an unincorporated Local Responsible Area (LRA) zone (CAL FIRE 2007b). The Kern County Fire Department provides fire protection for residents of the unincorporated areas of the County and the cities of Arvin, Delano, Maricopa, McFarland, Ridgecrest, Shafter, Tehachapi and Wasco (Kern County 2004b).

3.20.2 Discussion

#20 -a, b, c, and d) Substantially impair an adopted emergency response plan or emergency evacuation plan? Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? Expose people or structures to significant risks, including

downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

The Project is not located in a high severity fire zone. The short-term, temporary nature of construction would not pose a risk to emergency response or evacuation during an emergency. The Project would not require any infrastructure that would exacerbate fire risk or the risk of flooding, slope instability, or drainage changes. There would be **no impact**.

3.21 Mandatory Findings of Significance

#21. MANDATORY FINDINGS OF SIGNIFICANCE. Would the Project?	Have Potentially Significant Impact?	Have Less Than Significant Impact with Mitigation Incorporated?	Have Less Than Significant Impact?	Have No Impact?	Have Beneficial Impact?
#21 -a. Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?	No.	<u>Yes.</u>	No.	No.	No.
#21 -b. Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	No.	<u>Yes.</u>	No.	No.	No.
#21 -c. Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	No.	No.	<u>Yes.</u>	No.	No.

3.21.1 Discussion

#21 -a. Would the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?

The analysis conducted in this IS/MND concludes that implementation of the proposed Project would not have a significant impact on the environment. As evaluated in Chapter 3.4, “Biological Resources,” impacts on biological resources would be less than significant or less than significant with mitigation incorporated. The proposed Project would not substantially degrade the quality of the environment; substantially reduce the habitat of a fish or wildlife species; cause a fish or wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; or reduce the number or restrict the range of an endangered, rare, or threatened species. As discussed in Chapter 3.5, “Cultural Resources,” the

proposed Project would not eliminate important examples of the major periods of California history or prehistory. This impact would be **less than significant with mitigation incorporated**.

#21 -b. Would the Project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a Project are considerable when viewed in connection with the effects of past Projects, the effects of other current Projects, and the effects of probable future Projects.)

To consider cumulative impacts⁴ to the environment, past, present, and reasonably foreseeable probable future projects implemented within the vicinity of the proposed Project were considered and analyzed for potential cumulative impacts to water quality. RRID is considering six other groundwater recharge projects of which two would be contiguous with the proposed Project (one to the west along Kratzmeyer Road and one to the north along Snow Road). Cumulatively, these projects, including the proposed Project, involve up to 1,600 acres of groundwater recharge. As a whole, these projects would be operated to provide a long-term benefit to the basin and aid in regional compliance with SGMA.

Overall, cumulative impacts to water levels and quality from the Project is **less than significant with mitigation incorporated**. Mitigation Measure HYDRO-1 will be incorporated into the proposed Project to reduce potential impacts to undiscovered pollutants (if present).

For all other resources, as discussed in this IS/MND, the proposed Project would result in less than significant impacts with mitigation incorporated, less than significant impacts, or no impacts on aesthetics, air quality, biological resources, cultural resources, geology and soils, GHG emissions, hazards and hazardous materials, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation, tribal cultural resources, utilities and service systems, and wildfire. The temporary nature of the proposed Project’s construction impacts, and the minor, negligible changes to long-term operations and maintenance at the Project location would result in no impacts or less than significant environmental impacts on the physical environment. None of the proposed Project’s impacts would make cumulatively considerable, incremental contributions to significant cumulative impacts due to the incorporation of mitigation presented in this IS/MND. This impact would be **less than significant with mitigation incorporated**.

#21 -c. Would the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?

The Project would result in less than significant impacts and would not cause substantial adverse effects on human beings, either directly or indirectly. This impact would be **less than significant**.

⁴ The CEQA Guidelines, Section 15355 state, “The cumulative impact from several projects is the change in the environment which results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time.”

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Chapter 3.21, Mandatory Findings of Significance

No Citations.

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Appendix A Project Site Photos

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Photo 1. Looking north within the R-3 Canal toward the proposed groundwater recharge ponds.



Photo 2. Looking south from Snow Road toward the proposed groundwater recharge ponds.



Photo 3. Looking west along Kratzmeyer Road toward the proposed groundwater recharge ponds.



Photo 4. Looking south from Greely Road toward the proposed groundwater recharge ponds.

Appendix B Mitigation Monitoring and Reporting Program

Rosedale Ranch Improvement District

R-3 Groundwater Recharge and Banking Project

MITIGATION MONITORING AND REPORTING PROGRAM

The Mitigation Monitoring and Reporting Program (MMRP) is a CEQA-required component of the Mitigated Negative Declaration (MND) process for the R-3 Groundwater Recharge and Banking Project (Project). The results of the environmental analyses, including proposed mitigation measures, are documented in the Final MND. CEQA requires that agencies adopting MNDs take affirmative steps to determine that approved mitigation measures are implemented subsequent to project approval. As part of the CEQA environmental review procedures, Public Resources Code (PRC) Section 21081.6 requires a public agency to adopt a monitoring and reporting program to ensure efficacy and enforceability of any mitigation measures applied to a proposed project. The lead agency (i.e., Rosedale Ranch Improvement District [District]) must adopt an MMRP for mitigation measures incorporated into the project or proposed as conditions of approval. The MMRP must be designed to ensure compliance during project implementation. As stated in PRC Section 21081.6(a)(1):

The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a responsible agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the lead agency or a responsible agency, prepare and submit a proposed reporting or monitoring program.

The MMRP is provided in **Table 1**. The table lists each of the mitigation measures proposed in the Final MND and specifies the agency responsible for implementation of the mitigation measure and the time period for the mitigation measure.

Table 1. Mitigation Monitoring and Reporting Program

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
Air Quality	<p>Mitigation Measure AQ-1: District Regulation VIII Fugitive PM₁₀ Prohibitions Best Management Practices.</p> <p>To minimize potential effects of Project construction on air quality, specifically PM₁₀ fugitive dust, and oxides of nitrogen:</p> <ul style="list-style-type: none"> • Apply water to unpaved surfaces and areas • Use non-toxic chemical or organic dust suppressants on unpaved roads and traffic areas • Limit or reduce vehicle speed on unpaved roads and traffic areas • Maintain areas in a stabilized condition by restricting vehicle access • Install wind barriers • During high winds, cease outdoor activities that disturb the soil • Keep bulk materials sufficiently wet when handling • Store and hand material in a three-sided structure • When storing bulk material, apply water to the surface or cover the stage pile with a tarp • Don't overload haul trucks. Overlanded trucks are likely to spill bulk materials 	RRID and construction contractor	Prior to and during construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<ul style="list-style-type: none"> Cover haul trucks with a tarp or other suitable cover. Or, wet the top of the load enough to limit visible dust emissions Clean the interior of cargo compartments on emptied haul trucks prior to leaving the site Prevent track-out by installing a track-out control device Clean up track-out at least once a day. If along a busy road or highway, clean up track-out immediately Monitor dust-generating activities and implement appropriate measures for maximum dust control 		

Biological Resources

Mitigation Measure BIO-1: Conduct Worker Environmental Awareness Training.

To minimize potential effects of Project construction on special-status wildlife, the District will ensure that the following measure is implemented:

- An Environmental Awareness Program will be presented to all Project personnel working in the field before Project activities begin. The program will be presented by a qualified biologist with knowledge of special-status wildlife that could occur on the Project sites. The program will address each species biology and habitat needs; status of each species and their regulatory protections; and measures required to reduce impacts to the species during Project construction.

NKWSD and construction contractor

Prior to and during construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>Mitigation Measure BIO-2a: Conduct Focused Surveys for Burrowing Owls and Avoid Loss of Occupied Burrows.</p> <p>To minimize potential effects of Project construction on burrowing owl, the District will ensure that the following measures are implemented, consistent with the Staff Report on Burrowing Owl Mitigation (CDFG 2012).</p> <ul style="list-style-type: none"> • A qualified biologist will assess burrowing owl habitat suitability in the area subject to direct impact and adjacent areas within 500 feet. • If suitable habitat or sign of burrowing owl presence is observed, a take avoidance survey will be conducted within 10 days before construction activities begin near areas of suitable habitat. • If any occupied burrows are observed, protective buffers will be established and implemented. A qualified biologist will monitor the occupied burrows during construction activities to confirm effectiveness of the buffers. The size of the buffer will depend on type and intensity of disturbance, presence of visual buffers, and other variables that could affect susceptibility of the owls to disturbance. • If destruction of an occupied burrow cannot be avoided and it is determined, in consultation with CDFW, that passive exclusion of owls from the construction footprint is an appropriate means of minimizing direct impacts, an exclusion and relocation plan will be developed and implemented in coordination with CDFW. Passive 	RRID and construction contractor	Prior to and during construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>exclusion will not be conducted during the breeding season (February 1 through August 31), unless a qualified biologist verifies through noninvasive means that either (1) the birds have not begun egg laying or (2) juveniles from the occupied burrows are foraging independently and are capable of independent survival.</p> <ul style="list-style-type: none"> • If passive exclusion is conducted, each occupied burrow that is destroyed will be replaced with at least one artificial burrow on a suitable portion of the recharge site that would not be subject to inundation or ground disturbance. 		
	<p>Mitigation Measure Bio-2b: Conduct Focused Surveys for Nesting Swainson’s Hawks and White-tailed Kites and Implement Take Avoidance Plan for Active Nests.</p> <p>To minimize potential effects of project construction on active Swainson’s hawk and white-tailed kite nests, the District will ensure that the following measures are implemented:</p> <ul style="list-style-type: none"> • If construction activities would occur during the Swainson’s hawk nesting season (April-August), a qualified biologist will conduct surveys of potential Swainson’s hawk nesting trees within 0.5 mile of the project site. To the extent practicable, depending on timing of construction initiation, surveys will be conducted in accordance with the Recommended Timing and Methodology for Swainson’s Hawk Nesting Surveys in California’s Central Valley (Swainson’s Hawk Technical Advisory Committee 2000). At a minimum, at least one 		

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>survey will be conducted within 10 days before construction activities begin during the nesting season. If a lapse in construction activities of 10 days or longer occurs, another focused survey will be conducted before activities resume during the nesting season.</p> <ul style="list-style-type: none"> • If construction would begin during the white-tailed kite nesting season (March 1-August 31), a qualified biologist will conduct surveys of potential white-tailed kite nesting trees within 0.5 mile of the project site. The survey will be conducted no more than 10 days before construction activities begin during the nesting season. If a lapse in construction activities of 10 days or longer occurs, another focused survey will be conducted before activities resume during the nesting season. • If an active Swainson's hawk or white-tailed kite nest is found, a qualified biologist will prepare a site-specific take avoidance plan to comply with CESA and the FGC. Measures may include but are not limited to nest-specific no disturbance buffers, biological monitoring, rescheduling construction activities around sensitive periods for the species (e.g., nest establishment), and/or implementing construction best practices, such as staging equipment out of the species' line of sight from the nest tree. The avoidance/protection measures will be established before construction activities begin and continue until the adult and young birds are no longer reliant on the nest site. 		

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>Mitigation Measure BIO-2c: Conduct Focused Surveys for Other Nesting Birds and Implement Buffers Around Active Nests.</p> <p>To minimize potential effects of proposed Project construction on active nests of other special-status birds and common birds protected by State and Federal regulations, the District will ensure that the following measures are implemented:</p> <ul style="list-style-type: none"> • If construction would occur during the bird nesting season (February-August), a qualified biologist will conduct surveys of 1) suitable nesting habitat for common birds within 100 feet of construction activities, 2) suitable nesting habitat for non-raptor special-status birds within 300 feet of construction activities, and 3) suitable nesting habitat for raptors other than those addressed in BIO-2a and BIO-2b within 500 feet of construction activities. Surveys will be conducted within 10 days before construction activities begin during the nesting season. If a lapse in construction activities of 10 days or longer occurs, another focused survey will be conducted before activities resume during the nesting season. • If any active bird nests are observed, a qualified biologist will prepare a site-specific take avoidance plan to comply with applicable State and Federal regulations. If an active tricolored blackbird nesting colony is found during preconstruction surveys, a minimum 300-foot no-disturbance buffer will be implemented in accordance with CDFW’s Staff Guidance Regarding Avoidance of 	RRID and construction contractor	Prior to and during construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>Impacts to Tricolored Blackbird Breeding Colonies on Agricultural Fields in 2015 (CDFW 2015), or more recent guidance if issued, until the breeding season has ended or until a qualified biologist has determined that nesting has ceased and the young have fledged and are no longer reliant upon the colony or parental care for survival. Measures for other species may include but are not limited to nest-specific no disturbance buffers, biological monitoring, rescheduling construction activities around sensitive periods for the species (e.g., nest establishment), and/or implementing construction best practices, such as staging equipment out of the species' line of sight from the nest tree. The avoidance/protection measures will be established before construction activities begin and continue until the adult and young birds are no longer reliant on the nest site. A qualified biologist will observe behavior of the nesting birds and young and confirm project activities do not cause disturbance that could result in nest abandonment, reduced care of eggs or young, or premature fledging. A qualified biologist may adjust the buffer, if appropriate, based on monitoring observations.</p>		
	<p>Mitigation Measure BIO-3: Conduct Focused Surveys and Implement Measures to Minimize Potential for Impacts on San Joaquin Kit Fox. To minimize potential effects of proposed Project construction on San Joaquin kit fox, the District will ensure that the following measures are implemented:</p>	<p>RRID and construction contractor</p>	<p>Prior to and during construction.</p>

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<ul style="list-style-type: none"> • No more than 30 days before construction activities begin, a qualified biologist will conduct a pre-construction survey to determine the potential for a San Joaquin kit fox den to occur in the area. If potential or known den for San Joaquin kit fox is found, an exclusion zone will be established and maintained, in accordance with the Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox (USFWS 2011). • If construction activity would occur within 50 feet of a potential den (i.e., a den that is not known to be occupied), monitoring will be conducted at the potential den for 4 consecutive days. If no San Joaquin kit fox activity is documented, construction activities can proceed. If San Joaquin kit fox activity is documented, the appropriate exclusion zone will be established and maintained, in accordance with the Standardized Recommendations for Protection of the Endangered San Joaquin Kit Fox (USFWS 2011). • To prevent kit fox entrapment during construction, all excavated, steep-walled holes or trenches more than 2 feet deep will be covered with plywood or similar material at the end of each workday. If the trenches cannot be closed, one or more escape ramps of no more than a 45-degree slope will be constructed of earthen fill or created with wooden planks. All covered or uncovered excavations will be inspected at the beginning, middle, and end of each day. Before trenches are filled, they will 		

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>be inspected for trapped animals. If a trapped kit fox is discovered, construction activities in and near the excavation will stop, and escape ramps or structures will be installed immediately to allow the animal to leave voluntarily. Construction activities will not resume until the animal has left the area.</p> <ul style="list-style-type: none"> • All construction pipes or similar structures with a diameter of 4 inches or greater that are stored on the ground at a construction site for one or more overnight periods will be thoroughly inspected for wildlife before the pipe is buried, capped, or otherwise used or moved in any way. Pipes laid in trenches overnight will be capped. If a potential San Joaquin kit fox is discovered inside a pipe, all construction activities near the pipe will stop, and the animal will be allowed to leave the pipe voluntarily. Construction activities will not resume until the animal has left the area. • All food-related trash items such as wrappers, cans, bottles, or food scraps generated during construction activities will be disposed of in closed containers and removed daily from the recharge site. No deliberate feeding of wildlife will be allowed, and no pets associated with construction personnel will be permitted on the recharge site. 		
Cultural			

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>Mitigation Measure CR-1: Address Previously Undiscovered Historic Properties, Archaeological Resources, and Tribal Cultural Resources.</p> <p>If cultural resources are identified during project-related ground-disturbing activities, all potentially destructive work in the immediate vicinity of the find should cease immediately and the District should be notified. In the event of an inadvertent discovery, additional CEQA review would be necessary to make a determination on a properties' eligibility for listing in the CRHR and any actions that would be necessary to avoid adverse effects. A qualified archaeologist should assess the significance of the find, make a preliminary determination, and if appropriate, provide recommendations for treatment. Any treatment plan should be reviewed by the District prior to implementation. Ground-disturbing activities should not resume near the find until treatment, if any is recommended, the find is complete or if the qualified archaeologist determines the find is not significant.</p>	RRID and construction contractor	Prior to and during construction
	<p>Mitigation Measure CR-2: Avoid Potential Effects on Undiscovered Burials.</p> <p>If human remains are found, the District will be immediately notified. The California Health and Safety Code requires that excavation be halted in the immediate area and that the county coroner be notified to determine the nature of the remains. The</p>	RRID and construction contractor	During construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (Health and Safety Code, Section 7050.5[b]). If the coroner determines that the remains are those of a Native American, the coroner must contact the Native American Heritage Commission (NAHC) by telephone within 24 hours of making that determination (Health and Safety Code, Section 7050.5[c]).</p> <p>Once notified by the coroner, the NAHC shall identify the person determined to be the Most Likely Descendant (MLD) of the Native American remains. With permission of the legal landowner(s), the MLD may visit the site and make recommendations regarding the treatment and disposition of the human remains and any associated grave goods. This visit should be conducted within 24 hours of the MLD's notification by the NAHC (Public Resources Code [PRC], Section 5097.98[a]). If a satisfactory agreement for treatment of the remains cannot be reached, any of the parties may request mediation by the NAHC (PRC, Section 5097.94[k]). Should mediation fail, the landowner or the landowner's representative must reinter the remains and associated items with appropriate dignity on the property in a location not subject to further subsurface disturbance (PRC, Section 5097.98[b]).</p>		

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
Geology	<p>Mitigation Measure GEO-1: Avoid Potential Effects on Paleontological Resources.</p> <p>In the event that a paleontological resource is uncovered during Project implementation, all ground-disturbing work within 165 feet (50 meters) of the discovery shall be halted. A qualified paleontologist shall inspect the discovery and determine whether further investigation is required. If the discovery can be avoided and no further impacts will occur, no further effort shall be required. If the resource cannot be avoided and may be subject to further impact, a qualified paleontologist shall evaluate the resource and determine whether it is “unique” under CEQA, Appendix G, part VII. The determination and associated plan for protection of the resource shall be provided to the District for review and approval. If the resource is determined not to be unique, work may commence in the area. If the resource is determined to be a unique paleontological resource, work shall remain halted, and the paleontologist shall consult with the District staff regarding methods to ensure that no substantial adverse change would occur to the significance of the resource pursuant to CEQA. Preservation in place (i.e., avoidance) is the preferred method of mitigation for impacts to paleontological resources and shall be required unless there are other equally effective methods. Other methods may be used but must ensure</p>	RRID and construction contractor	Prior to and during construction

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>that the fossils are recovered, prepared, identified, catalogued, and analyzed according to current professional standards under the direction of a qualified paleontologist. All recovered fossils shall be curated at an accredited and permanent scientific institution according to Society of Vertebrate Paleontology standard guidelines; typically, the Natural History Museum of Los Angeles County and University of California, Berkeley accept paleontological collections at no cost to the donor. Work may commence upon completion of treatment, as approved by the District.</p>		
Hydrology/Water Quality			
	<p>Mitigation Measure HYDRO-1: Monitor Groundwater Quality.</p> <p>To minimize potential effects of project construction and operation on groundwater quality, the District will ensure that the following measures are implemented:</p> <ul style="list-style-type: none"> • The District will use an existing groundwater extraction well on or near the Project site to monitor groundwater levels and quality during and after recharge operations. The purpose of monitoring is to verify groundwater recharge is not detrimentally affecting groundwater quality in the Project area. • During construction of the recharge basins, up to 5 feet of fine ground soils (silts and clays) will be excavated from each recharge basin to expose the underlying fine to medium grained sand in the base of each recharge basin. During soil excavation and removal, the contractor and inspecting engineer will monitor for evidence of soil 	<p>RRID and construction contractor</p>	<p>During and after construction; during and after recharge operations</p>

Potential Environmental Impact	Mitigation Measure	Responsible Agency	Timing
	<p>contamination (color, odor, buried tanks, pipelines). If contaminated soils are encountered during excavation, these soils will be analyzed to identify the type and extent (vertically and horizontally) of contamination present. Contaminated soils will either be treated on site or disposed of at a hazardous waste landfill.</p> <ul style="list-style-type: none"> • If contaminated soils are encountered during construction, additional groundwater monitoring wells may be installed to verify that groundwater has not been impacted. As an added measure of protection, the District will cease the construction of the pond in and adjacent to contaminated soils. During the operational phase of the proposed project, the District will conduct annual monitoring to verify that groundwater quality is not being adversely impacted by the recharge operation. 		

Exhibit “C”

**BEFORE THE BOARD OF DIRECTORS
OF THE NORTH KERN WATER STORAGE DISTRICT
ACTING FOR AND ON BEHALF OF THE
ROSEDALE RANCH IMPROVEMENT DISTRICT**

RESOLUTION NO. RR24-xx

IN THE MATTER OF:

**ADOPTION OF INITIAL STUDY/MITIGATED NEGATIVE DECLARATION FOR THE
ROSEDALE RANCH IMPROVEMENT DISTRICT, R-3 GROUNDWATER RECHARGE
AND BANKING PROJECT**

AND

**APPROVAL OF THE ROSEDALE RANCH IMPROVEMENT DISTRICT, R-3
GROUNDWATER RECHARGE AND BANKING PROJECT**

RECITALS:

WHEREAS, pursuant to the requirements of the California Environmental Quality Act, California Public Resources Code section 21000 et seq. (“CEQA”) and its implementing guidelines, 14 CCR 15000 et seq. (the “Guidelines”), the North Kern Water Storage District, acting for and on behalf of the Rosedale Ranch Improvement District (“District”) has caused to be prepared and noticed and provided for public review and comment the “Draft Initial Study/Proposed Mitigated Negative Declaration,” (“IS/MND”) dated August 14, 2023, which evaluates the potential environmental effects of the proposed “Rosedale Ranch Improvement District, Groundwater Recharge and Banking Project” (“Project”); and

WHEREAS, the Project evaluated in the IS/MND would be operated to provide a long-term benefit to the basin and aid in regional compliance with the Sustainable Groundwater Management Act (SGMA) through increases in conjunctive management in north-central Kern County, expansion of the District’s ability to accept surface water for groundwater recharge during periods when surface water is available, improvement in groundwater management and quality, and increases in groundwater elevations and resulting enhanced water supply and energy savings; and

WHEREAS, proposed Project facilities would include conversion of 110 acres of land into five recharge ponds with earthen berms to direct the flow of water onto the site and earthen exterior levees around the perimeter of the site.

WHEREAS, the District is the lead agency and its Board of Directors is the decision-making body for the Project; and

WHEREAS, in accordance with applicable provisions of CEQA (Public Resources Code § 21092.3) and the Guidelines (14 Cal Code Regs § 15072), the District caused a Notice of Intent to Adopt an Initial Study/Mitigated Negative Declaration (IS/MND) for the Project to be, among

Exhibit “C”

other things: (a) published in a newspaper of general circulation in the area affected by the Project, *The Bakersfield Californian*, on January 25, 2024; (b) electronically filed with the State Clearinghouse, for distribution to state agencies on January 25, 2024, and (iii) posted on the District’s Web site for a public review period of at least thirty (30) days, beginning on or about January 25, 2024; and

WHEREAS, in connection with the approval of a project involving the preparation of an Initial Study/Mitigated Negative Declaration that identifies one or more significant environmental effects, CEQA requires the lead agency to incorporate feasible mitigation measures that would reduce those significant environmental effects to a less-than-significant level; and ; and

WHEREAS, the IS/MND found that, without mitigation, the Project will have no impacts or less than significant impacts on the environment, except with respect to Air Quality, Biological Resources, Cultural Resources, Geology and Soils, and Hydrology and Water Quality; and

WHEREAS, with respect to Air Quality, Biological Resources, Cultural Resources, Geology and Soils, and Hydrology and Water Quality, the Draft IS/MND described certain specified recommended mitigation measures, and found that the Project will have no significant impacts with such mitigation incorporated into the Project; and

WHEREAS, whenever a lead agency approves a project requiring the implementation of measures to mitigate or avoid significant effects on the environment, CEQA also requires a lead agency to adopt a Mitigation Monitoring or Reporting Program (or “MMRP”) to ensure compliance with the mitigation measures during project implementation; and

WHEREAS, the District has caused to be prepared a Mitigation Monitoring and Reporting Program for the Project as required by CEQA, which includes the recommended mitigation measures with respect to Air Quality, Biological Resources, Cultural Resources, Geology and Soils, and Hydrology and Water Quality, as specified in the IS/MND; and

WHEREAS, the District provided members of the public with the opportunity to review and comment on the IS/MND (including mitigation measures) for a period of at least 30 days as required by CEQA, and the District received no comments; and

WHEREAS, no revisions were made to the Draft IS/MND; and

WHEREAS, the District’s staff and CEQA consultants have determined that no information has arisen and no revision was made since preparation of the Draft IS/MND that warrants a change in its conclusions, and that recirculation is not required by CEQA (e.g., 14 Cal. Code Regs § 15073.5); and

WHEREAS, the District exercised overall control and direction over the CEQA review process for the Project and, before considering whether to approve or otherwise act on the Project, the District’s Board of Directors independently reviewed and considered the information

Exhibit “C”

contained in the IS/MND and the MMRP, and other pertinent information in the record, as required by CEQA; and

WHEREAS, the IS/MND and MMRP are incorporated herein by this reference and made a part of this Resolution, as if fully set forth herein; and

NOW, THEREFORE, BE IT RESOLVED by this Board of Directors as follows:

1. That the foregoing recitals, and each of them, are true and correct.
2. That this Board of Directors does hereby make the following findings: (a) it has independently reviewed and analyzed the IS/MND and MMRP for the Project, and considered other information in the record as required by CEQA, prior to considering whether to approve or otherwise act on the Project; (b) the IS/MND and MMRP have been completed in compliance with CEQA and consistent with state and local guidelines implementing CEQA; (c) the IS/MND represents the independent judgment and analysis of the District as lead agency for the Project; and (d) there is no substantial evidence in the record before it that the Project may or will have a significant effect on the environment; and
3. That the IS/MND, including Project mitigation described therein, is approved and adopted; and
4. That the MMRP for the Project mitigation measures described in the IS/MND is approved and adopted and made a part or condition of the Project as required by CEQA; and
5. That the District’s Rosedale Ranch Improvement District, R-3 Groundwater Recharge and Banking Project is hereby approved; and
6. That the documents and other materials that constitute the record of proceedings for the Project, including the IS/MND and MMRP, are on file and available for review at the District’s office located at 33380 Cawelo Avenue, Bakersfield, California 93308, and the custodian of records is David Hampton, General Manager; and
7. That the District’s staff, consultants or legal counsel shall cause to be prepared and filed a Notice of Determination (NOD) with respect to the foregoing as required by CEQA, and are authorized to pay the fees and costs associated with filing the NOD on behalf of the District.

Said Resolution was adopted, on roll call, by the following vote:

AYES: Holtermann, Ackerknecht, Camarena, Andrew, Glende

NOES: None

Exhibit “C”

ABSENT: None

ABSTAIN: None

I HEREBY CERTIFY that the foregoing resolution is the resolution of said District as duly passed and adopted by said Board of Directors on the 19th day of March, 2024.

WITNESS my hand and seal of said Board of Directors on the 19th day of March, 2024.

[District Seal]

Secretary of the Board of Directors

JAN 25 2024

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



33380 Cawelo Avenue
Bakersfield, CA 93308-9570
Water Orders and Operations
Telephone: 661-393-3361
www.northkernwsd.com

ROSEDALE RANCH IMPROVEMENT DISTRICT

January 25, 2024

Notice of Intent to Adopt the Proposed Mitigated Negative Declaration for the R-3 Groundwater Recharge and Banking Project

Rosedale Ranch Improvement District (RRID, District) has completed preparation of a Draft Initial Study/proposed Mitigated Negative Declaration (IS/MND) for the R-3 Groundwater Recharge and Banking Project (Project) and intends to adopt the IS/MND as part of project review.

The IS/MND comment period is from **January 25 to February 23, 2022**.

You may obtain a copy of the IS/MND at 33380 Cawelo Avenue, Bakersfield, CA 93308 between 9:00 AM and 4:00 PM (except holidays). The IS/MND may also be reviewed at: <https://www.northkernwsd.com/projects/>

RRID proposes to construct and operate an approximately 110-acre groundwater recharge facility north of Kratzmeyer Road and east of Mendota Street. The proposed groundwater recharge basin will consist of five ponds with earthen berms to direct the flow of water onto the site and facilitate even spreading. Interior ditches and channels will also be used to provide energy dissipation throughout the interior of the recharge basin. Earthen exterior levees will be constructed around the perimeter of the site. Maximum recharge estimates, based on a full-year operation schedule, would average 3,564 acre feet per year.

The Project's objective is to increase conjunctive management in north-central Kern County by expanding the area's ability to accept surface water for groundwater recharge during periods when surface water is available. The Project would benefit groundwater users by improving groundwater management and quality. Water supply and energy savings would result from a general increase in groundwater elevations in the project area. The Project would be operated to provide a long-term benefit to the basin and aid in regional compliance with the Sustainable Groundwater Management Act.

All comments regarding the IS/MND should be received **NO LATER THAN 4:00 p.m., on February 23, 2024**. Written comments should be submitted to:

David Hampton, General Manager
Rosedale Ranch Improvement District
33380 Cawelo Avenue
Bakersfield, CA 93308
Tel: (661) 393-2696
dhampton@northkernwsd.com

Sincerely,

David Hampton
General Manager
Rosedale Ranch Improvement District

Notice of Environmental Document
Posted by County Clerk on 1/25/2024
and for 30 days thereafter, Pursuant to
Section 21152(C), Public Resources Code

Notice of Determination**Appendix D****To:**

Office of Planning and Research
U.S. Mail: _____ *Street Address:* _____
 P.O. Box 3044 1400 Tenth St., Rm 113
 Sacramento, CA 95812-3044 Sacramento, CA 95814

County Clerk
 County of: _____
 Address: _____

From:

Public Agency: _____
 Address: _____

 Contact: _____
 Phone: _____

Lead Agency (if different from above): _____
 Address: _____

 Contact: _____
 Phone: _____

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): _____

Project Title: _____

Project Applicant: _____

Project Location (include county): _____

Project Description:

This is to advise that the _____ has approved the above
 (Lead Agency or Responsible Agency)

described project on _____ and has made the following determinations regarding the above
 (date)
 described project.

1. The project [will will not] have a significant effect on the environment.
2. An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
 A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [were were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [was was not] adopted for this project.
5. A statement of Overriding Considerations [was was not] adopted for this project.
6. Findings [were were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the negative Declaration, is available to the General Public at:

 Signature (Public Agency): _____ Title: _____

Date: _____ Date Received for filing at OPR: _____