

## **Water Storage Investment Program Quarterly Report**

The Quarterly Report is intended to document applicants' progress toward complying with regulation section 6013 and receiving final WSIP funding, including any changes in the magnitude of public benefits that could affect cost allocation. Applicants must provide a summary level update of the project status for the requirements and milestones listed below. The template may be modified as necessary to effectively communicate information. If minimal activities occurred during a reporting period, the report can be condensed.

- Note any issues or concerns that have, will, or could affect milestones or requirements.
- Identify key issues, including legal issues such as lawsuits or injunctions related to the project, that need to be resolved.
- Discuss how the actual schedule is progressing in comparison to the schedule provided in the Initial Report or the last reported schedule.
- Update the project schedule as needed.
- Note any milestones or accomplishments that occurred since submittal of the prior Quarterly Report.

# **Project Information**

Project Name:

Kern Fan Groundwater Storage Project

Applicant Name:

**Groundwater Banking Joint Powers Authority** 

Date:

Janaury 31, 2024

Reporting Period:

October 1, 2023 - December 31, 2023

### **General Update and Key Issues**

Please provide a general update and describe any key issues that occurred during this reporting period. You may attach additional documents or pages if more space is needed:

Coordination with State Agencies:

During the current reporting period, the GBJPA continued to coordinate with DWR on the agreements and environmental compliance work necessary to facilitate pulse flow exchanges between the State Water Project and Kern Fan Project. DWR reported that it has reached conceptual agreement with Reclamation to provide the Kern Fan Project with Sacramento-San Joaquin River Delta carriage water savings that will occur due to the pulse flow exchanges. DWR expects to prove a revised draft pulse flow exchange agreement during the next reporting period.

Also during the current reporting period, the GBJPA, Kern County Water Agency (KCWA), Dudley Ridge Water District (DRWD), DWR and DWR's consultant met to review favorable hydraulic modeling results of Alternative 5 for the proposed Kern Fan turnout. Alternative 5 would be co-located at the Cross Valley Canal (CVC). It potentially could provide a solution to CVC operational issues, improve CVC capacity to its design capacity and

provide capacity for the Kern Fan Project without requiring a new turnout. In addition to completing hydraulic modeling of Alternative 5, DWR also completed the hydraulic modeling of a turnout for the Kern Fan Project that would be located 600 feet north of the Cross Valley Canal (CVC) on the California Aqueduct. Results indicate that the turnout could divert 450 cfs for the Kern Fan Project without impact to the CVC. During the next reporting period, refined scenarios will be developed for further hydraulic modeling.

In addition, DWR and CDFW investigated the possibility that lands along the Sutter Bypass of the Feather River could be temporarily inundated during pulse-flow releases from Lake Oroville that are facilitated by the Kern Fan Project, and other pulse flow projects. As a result, the public release of DWR's Supplement Environmental Impact Report (SEIR) for the Kern Fan Project and other pulse-flow projects was delayed while these potential impacts were evaluated. DWR has since determined that the temporary inundation would provide a benefit, and therefore not be a negative impact, and the SEIR is expected to be released in Spring or Summer 2024.

#### Engineering and Design:

During the current reporting period, design work continued on the intial recharge basins for Phase 1 of the Kern Fan Project. The GBJPA submitted comments to engineering consultants on the 60% design for the Stockdale North recharge basins.

While all permits and agreements for the entire project need to be in place prior to a final funding award by the CWC, the Kern Fan Project was proposed to be constructed in phases. All of the necessary permits and agreements are in place for the GBJPA to move forward with Phase 1. Last year, the GBJPA deliver watered to the pilot recharge basins on Phase 1 property through the end of November to maximize reharge opportunties in 2023, consistent with the Governor's Executive Order. The pilot recharge basin operations recharged almost 8,000 AF of additional water that GBJPA members, IRWD and Rosedale, would otherwise not have been able to recharge, and will provide additional water supply reliability. The pilot recharge basins also helped inform the final design of the permanent recharge basins. During the next reporting period, the GBJPA will initiate the construction of the permanent Phase 1 facilities. This includes construction of recharge basins, well pipelines and interconnections to existing conveyance facilities.

#### Kern Fan Groundwater Storage Project Schedule:

Although construction of Phase 1 is expected to begin in early 2024, components of Phase 2 of the Kern Fan Project are contingent upon executing agreements with and securing approvals from the DWR, State Water Contractors, and CDFW. Among those are the agreements and approvals related to the location of the Kern Fan Project turn out. The GBJPA anticipates that a decision on the location of the turn out will be made by the end of this year. This decision will dictate the location and design of several Project components, and thefore will affect completion of these components. The schdule has been adjusted accordingly with most of the expected dates for remaining Project components extended 6 months to a year. Construction of the Kern Fan Project is now expected to be completed November 19, 2029, approximately 8 months later than previously expected.

#### 1. Funding Agreement Milestone Schedule

Attached as Exhibit "A" is the Funding Agreement Milestone Schedule entitled "Project Schedule (CWC Table 1)". The schedule provides the milestones stipulated in the Maximum Conditional Eligibility Determination Letter dated July 27, 2018.

# 2. Kern Fan Groundwater Storage Project Schedule

Attached as Exhibit "B" is an updated Kern Fan Project overall schedule, which includes the Commission requirements, as well as planning and project studies, environmental documentation, design, and construction.

# **Items Required Prior to Scheduling a Final Award Hearing**

The following items must be provided prior to scheduling a hearing. As applicable, please describe the status, estimated completion date, and percent complete of:

#### 1. Contracts for non-public cost share:

Status: The Groundwater Banking Authority JPA agreement executed in 2020 includes a provision that IRWD and Rosedale will each fund 50% of the non-grant funded project cost. No contracts, other than the executed Joint Powers Authority Agreement between Rosedale and IRWD, are anticipated. A funding commitment letter to the Director of the Departement for the non-public benefits was submitted in October 2021.

Estimated Completion Date: October 2021

Percent Complete: 100%

#### 2. Contracts for administration of public benefits:

Status: Applicants continue to work with the CDFW and DWR on the development of contracts for administration of public benefits. No agreement with the State Water Board is anticipated for this project.

Estimated Completion Date: December 2025

Percent Complete: 65%

# 3. Completed feasibility studies:

Status: The final Feasibility Study was submitted to CWC staff on November 22, 2021. On December 15, 2021, the Commission determined that the feasibility study met requirements set forth in the WSIP Regulations.

Estimated Completion Date: November 2021

Percent Complete: 100%

#### 4. Final environmental documentation:

Status: The Groundwater Banking Joint Powers Authority certified the Final EIR document on December 28, 2020. There were no unimitigated significant environmental effects identified in the Draft EIR or the Final EIR.

Estimated Completion Date: Completed January 2021

Percent Complete: 100%

#### 5. All required federal, state, and local approvals, certifications, and agreements:

Status: Applicants continue to work with the approporiate agencies on all required federal, state and local approvals, certifications and agreements.

Estimated Completion Date: December 2027

Percent Complete: 20%

### **Items Required to Execute a Funding Agreement**

Please provide an update, as applicable, on the following documents, which are needed to execute a funding agreement for the project:

- Applicant's audited financial statements
- Final project costs, schedule, and scope of work
- Evidence of bilateral communications
- Limited waiver of sovereign immunity (see regulations section 6013(f)(8))

Updates to information provided in the Initial Report or prior Quarterly Reports are only needed when a significant change has occurred. The Commission may request submittal of updated information prior to executing a funding agreement.

No updates to information provided in prior Quartely Reports.

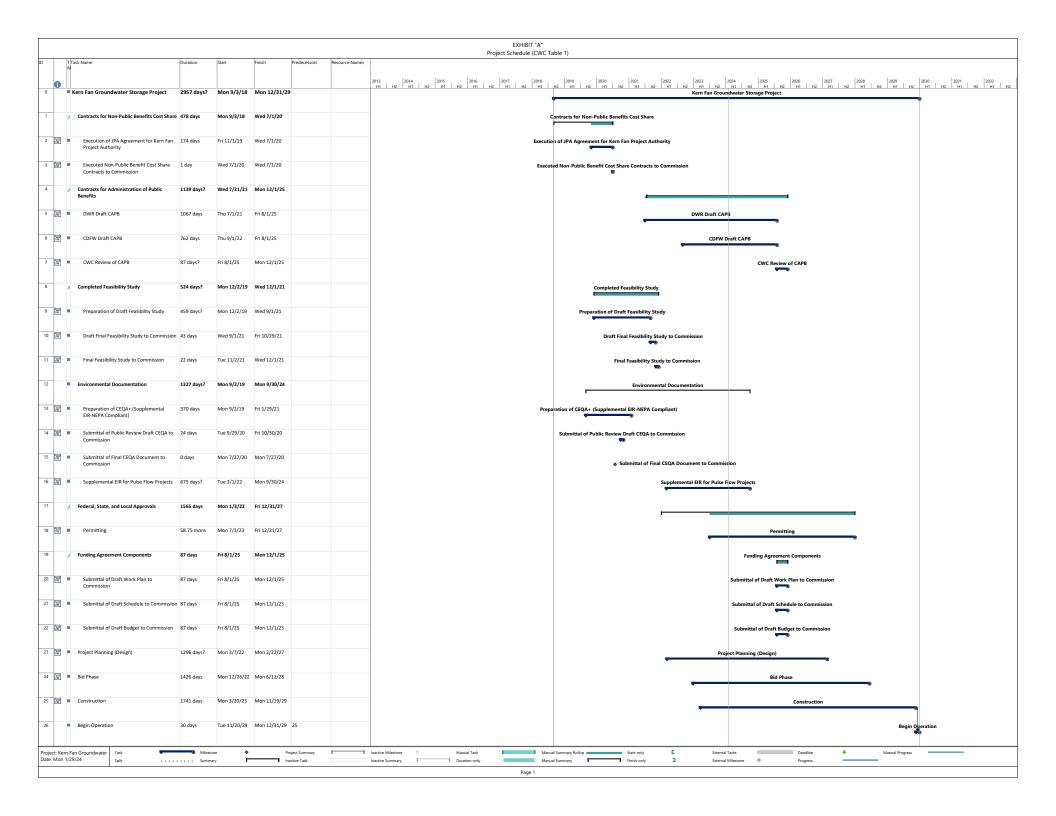
## **Status Update**

Provide a status update for the following, as applicable:

- Labor Compliance
- Urban Water Management Plans
- Agricultural Water Management Plans
- Groundwater Management or Groundwater Sustainability Plans
- Potential effect of other conditionally eligible projects on the applicant's public benefits

Updates to information provided in the Initial Report or prior Quarterly Reports are only needed when a significant change has occurred. The Commission may request submittal of updated information prior to executing a funding agreement.

No updates to information provided in prior Quarterly Reports.



								Kern Fan Groundwater Storage Project Overall Schedule
4		Duration	Start		Predecessors	Resource Names	Notes	975 976 2077 2078 2009 2000 2021 2022 2024 2025 2025 2027 2028 2029 2029 2021 2022 2024 2025 2025 2025 2027 2028 2029 2029 2029 2021 2022 2024 2025 2025 2025 2027 2028 2029 2029 2029 2029 2021 2022 2024 2025 2025 2025 2025 2027 2028 2029 2029 2029 2029 2021 2022 2024 2025 2025 2025 2025 2027 2028 2029 2029 2029 2029 2029 2029 2029
	Kern Fan Groundwater Storage Project	3131 days?	Mon 1/1/18	Mon 12/31/29				Kern Fan Groundwater Storage Project
+	CWC WSIP Quarterly Reporting	2956 days	Mon 9/3/18	Mon 12/31/29				CWC WSIP Quarterly Reporting
	Planning Phase (JPA, studies)	2100 days?	Mon 1/1/18	Fri 1/16/26				Planning Phase (JPA, studies)
	Kern Fan Project Authority	388 days	Mon 1/7/19	Wed 7/1/20				Kern Fan Project Authority
	nam ram rayast / nama nay	555 55,5		7,4,20				Net 1 rain Project Authority
4	Organizational Structure	82 days	Mon 1/7/19	Tue 4/30/19				Organizational Structure
5	104.0.1	405 1	Thu 10/3/19	17/4/00				
1	JPA Bylaws	195 days	Inu 10/3/19	Wed //1/20				JPA Bylaws
5	JPA Formation	283 days	Mon 6/3/19	Wed 7/1/20				JPA Formation
7	Phase 1 Land Evaluation and Due Diligence	60 days	Thu 7/29/21	Wed 10/20/21				Phase 1 Land Evaluation and Due Diligence
В	Phase 1 Land Acquisition	72 days	Thu 10/21/21	Fri 1/28/22				Phase 1 Land Acquisition
9	Phase 2 Land Evaluation and Due Diligence	90 days	Mon 6/3/24	Fri 10/4/24				Phase 2 Land Evaluation and Due Diligence
10		315 dave?	Mon 11/4/24	Fri 1/16/26				
-	a.e. 2. como recipilationi	Jay Jays!		2/20/20				Phase 2 Land Acquisition
11	DWR Pool 28 Study	349 days	Tue 3/1/22	Fri 6/30/23				DWR Pool 28 Study
12	Canal Alignment Alternatives Evaluation	172 days	Tue 4/30/24	Wed 12/25/24				Canal Alignment Alternatives Evaluation
13	Agreements	1935 days	Mon 1/1/18	Fri 5/30/25				Agreements
14	Article 21 Water Agreement between KCWA and Rosedale	1828 days	Mon 1/1/18	Wed 1/1/25				Article 21 Water Agreement between KCWA and Rosedale
15	Article 21 Water SWPAO Agreement	1075 days	Thu 11/10/20	Wod 1/1/25				Article 21 Water SWPAO Agreement between IRWD/DRWD/KCWA/DWR
	between IRWD/DRWD/KCWA/DWR	1073 days	1110 11/15/20	Wed 1/1/23				Article 21 Water SWAND Agreement Detween INVIDING MANUAL WALLOWS
16	Exchange Agreement between DWR/KCWA/DRWD/GBJPA	783 days	Mon 1/3/22	Wed 1/1/25				Exchange Agreement between DWR/XCWA/DRWD/GBJPA
17	DWR Turnout Agreement	890 days	Mon 1/3/22	Fri 5/30/25				DWR Turnout Agreement
								•
18	Contracts for Administration of Public Benefits	1153 days	Thu 7/1/21	Mon 12/1/25				Contracts for Administration of Public Benefits
19	DWR Draft CAPB	1067 days	Thu 7/1/21	Fri 8/1/25				DWR Draft CAPE
				,,,				•
20	CDFW Draft CAPB	762 days	Thu 9/1/22	Fri 8/1/25				CDFW Dyaft CAPB
21	CWC Draft CAPB	07.1	Fri 8/1/25	Mon 12/1/25				
-1	CWC DIAIT CAPB	o/ uays	FII 6/1/25	WOII 12/1/25				CWC Draft CAPB
22	CWC Funding Agreement Components	87 days	Fri 8/1/25	Mon 12/1/25				CWC Funding Agreement Components
23	Submittal of Draft Work Plan to Commission	87 days	Fri 8/1/25	Mon 12/1/25				
24		87 days	Fri 8/1/25	Mon 12/1/25				
	Commission							
25	Submittal of Draft Budget to Commission	87 days	Fri 8/1/25	Mon 12/1/25				
26		523 dave?	Mon 12/2/10	Wed 12/1/21				
1		LES days?	12/2/19	12/1/21				
27	Preparation of Draft Feasibility Study	458 days?	Mon 12/2/19	Wed 9/1/21				Preparation of Draft Feasibility Study
200	Death Continue 2000	42 4	W-40/4/24	F-i 10/20/04				
28	Draft Final Feasibility Study to Commission	43 days	wea 9/1/21	rn 10/29/21				Draft Final Feasibility Study to Commission
9	Final Feasibility Study to Commission	22 days	Mon 12/2/19	Tue 12/31/19				Final Feasibility Study to Commission
0	Development of Adaptive Management Program	239 days	Thu 9/1/22	Tue 8/1/23				Development of Adaptive Management Program
31	Environmental	1326 days?	Mon 9/2/19	Mon 9/30/24				Environmental Environmental
		,5.	,_,_					
12	Submittal of Draft Project Description	0 days	Mon 1/20/20	Mon 1/20/20				<b>♦</b> 1/20
	Kern Fan Groundwater Task		Milestor			ct Summary		active Milestone   Manual Task  Manual Summary Rollup  Start-only  E External Tasks  Deadline  Manual Progress
				e •				active Milestone Manual Task Manual Summary Rollup Start-only E External Tasks Deadline 🖖 Manual Progress

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ID T	ask Name	Duration	Start	Finish	Predecessors	Resource Names	Notes	2015 2016 2017	2018 2019 2020 2021 2022 2023	2024   2025   2026   2027   2028   2029   2030   2031   2032   2033   1
33	Preparation of NOP and NOC	56 days	Tue 1/21/20	Tue 4/7/20				H2 H1 H2 H1 H2 H1 H2	H1 H2  Preparation of NOP and NOC	H1   H2   H1   H1
34	30-day Scoping Period and Public Meeting	30 days	Mon 3/30/20	Fri 5/8/20					30-day Scoping Period and Public Meeting	
35	Preparation of EIR Project Description	21 days	Thu 4/23/20	Thu 5/21/20					Preparation of EIR Project Description	
36	Technical Reports	31 days	Tue 5/5/20	Tue 6/16/20					Technical Reports  ▼●	
37	Prepare Administrative Draft SEIR	61 days	Tue 5/5/20	Tue 7/28/20					Prepare Administrative Draft SEIR	
38	Agency Review of Administrative Draft SEIR	11 days	Tue 7/28/20	Tue 8/11/20					Agency Review of Administrative Draft SEIR	
39			Tue 8/11/20						Prepare Screencheck Draft SEIR	
40	Agency Review of Screencheck Draft SEIR	11 days	Tue 9/8/20	Tue 9/22/20					Agency Review of Screencheck Draft SEIR	
41	Pepare Public Draft SEIR, NOA, and NOC	6 days	Tue 9/22/20	Tue 9/29/20					Pepare Public Draft SEIR, NOA, and NOC	
42	45-day Draft SEIR Review and Public Meeting								45-day Draft SEIR Review and Public Meeting ভূজ	
43	Prepare Final SEIR and Response to Comments								Prepare Final SEIR and Response to Comments	
44			Fri 1/8/21	Fri 1/29/21					Prepare Findings, SOC, and NOD	
45			Fri 1/8/21	Fri 1/29/21					Prepare MMRCP	
46	Draft Supplemental EIR for Pulse Flow Projects								Draft Supplemental EIR for Pulse Fig	
47	Final Supplemental EIR for Pulse Flow Projects				46					nal tilR for Pulse Flow Projects
48	GBJPA Certification of Supplemental EIR								GBJPA Ce	erbification of Supplemental EIR
49			Fri 12/8/23						r	Right-of-Way & Essements
50	Right-of-Way Evaluation & Document Review									-of-Way Evaluation & Document Review
51	Preliminary Meetings with Landowners								,	Preliminary Meetings with Landowners
52				Fri 7/25/25						Appraisalt/Valuations
53	Monumentation			Wed 7/23/25						stablish Survey Control and Monumentation
	Prepare Permanent and Temporary Easement Plats & Descriptions								Prepar	re Permanent and Tempgrary Easement Plats & Descriptions
55	Executed Easements & Rights-of-Way				54					Executed Easemelts & Rights-of-Way
56	Permitting  DWR Permitting for Aqueduct TO		Mon 3/11/24							Permitting
57	DWR Permitting for Aqueduct TO  Petition for Instream Flow Dedication									DWR Permitting for Aqueduct TO
	(1707) Outlet Canal Crossing - Army Corp,									Petition for Instream Flow Dedication (1707)
59	CVFPB, Buena Vista, CDFW, DWR		Mon 11/4/24						Outlet Cana	al Crossing - Army Corp. CVFPR, Buena Vista, CDFW, DWR
61			Mon 11/3/25							Caltrans Permit - 15 Crossing
62	Crossing		Mon 11/3/25							Caltrans Permit - Stockdale Hwy Crossing  Incidental Take Permit
63			Mon 7/6/26							Incidental Take Permit  County Encroachment Permit
64			Mon 7/1/24							County incoanneit vernit  Well Drilling Permits
			Mon 6/20/22							
	RFP for Design Firm		Mon 12/6/21							
					N	+ Summar:		tive Milestone   Manual Task	Manual Summar Bullion Stationals	Esternal Tasks Deadline    Manual Progress
	Kern Fan Groundwater Task on 1/29/24 Split		Mileston		Projecti I Inacti		Inacti		Manual Summary Finish-only	Sterral Tals: Deadline   Manual Progress  External Milestore   ↑ Progress
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								Kern Fan G	oundwater Storage Project Overall Schedule
			Start		Predecessors	Resource Names	Notes		18 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2090 2091 2032 HI H2 H1 H2
	Design Phase	1296 days?	Mon 3/7/22	Mon 2/22/27				100 100 100 100 100 100 100 100 100 100	Design Phase
	Phase 1 Recharge Basins	805 days?	Wed 6/1/22	Tue 7/1/25					Phase 1 Recharge Basins
	Goose Lake Channel Pump Station, Check Structure, Interbasin Structures, Well Pipelines and Intertie	395 days	Mon 7/1/24	Fri 1/2/26					
	Phase II Recharge Basins, Well Pipelines and Interbasin Structures	395 days	Mon 7/1/24	Fri 1/2/26					
İ	Phase I and II Well Drilling and Equipping	520 days	Mon 3/4/24	Fri 2/27/26					
	Aqueduct Turnout Facility	280 days	Mon 1/6/25	Fri 1/30/26					
	Conveyance Facilities, Including Turnouts and Pump Stations	360 days	Mon 1/6/25	Fri 5/22/26					
	SCADA and PLC Programming	426 days	Mon 7/7/25	Mon 2/22/27					
	Bid Phase	1426 days?	Mon 12/26/22	Mon 6/12/28					Bid Phase
	Phase I Recharge Facility	306 days?	Fri 11/3/23	Fri 1/3/25					Phase   Recharge Facility
				Mon 4/27/26					Phase II Recharge Facility
	Aqueduct To, Conveyance, Lift Station(s), and Appurtenances	7.25 mons	Mon 2/2/26	Fri 8/21/26					Aqueduct To, Conveyance, Lift Station(s), and Appurtenances
	Phase I Pipelines and Interbasin Structures	60 days	Mon 2/2/26	Fri 4/24/26					Phase I Pipelines and Interbasin Structures
	Structures			Fri 7/24/26					Phase II Pipelines and Interbasin Structures
	Equipping			Mon 10/28/24					Phase I Well Drilling and Well Equipping
	Equipping		Mon 4/6/26						Phase II Well Drilling and Well Equipping
				Mon 6/12/28					SCADA Project
				Mon 12/31/29					Construction Phase
			Wed 1/3/24						•
		18 mons		Fri 11/27/26 Thu 9/16/27					
	Station(s), and Appurtenances  Phase I Well Pipelines and Interbasin			Wed 7/7/27					
	Structures  Phase II Well Pipelines and Interbasin			Fri 2/19/27					
	Structures		Mon 8/5/24						_
	Equipping		Mon 11/9/26						
	Equipping			Mon 11/19/29					
			Tue 9/1/26						Pump Station Equipping
	PG&E Electrical Service to Facilities								· unp courter equipping
	Start-up, Testing, & Trouble-Shooting								
				Tue 11/20/29					•
+				Mon 12/31/29					'I
ct: k	Kern Fan Groundwater Task		Mileston	e •	Proj		Inac	tive Milestone   Manual Task	Manual Summay Rollup Start-only External Tasks Deadline 💠 Manual Progress