

## Water Storage Investment Program Quarterly Report

The Quarterly Reporting covered by this template documents applicants' progress toward complying with regulation section 6013 to receive a final WSIP funding hearing with the Commission as well as any changes to the physical quantity and type of public benefit being provided by the project.

Applicants must provide an update of the project status for the requirements and milestones listed below. Applicants may deviate from this fill-in format, however, please provide the information requested in this template.

### **Project Information**

Project name:

Kern Fan Groundwater Storage Project

Applicant name:

Groundwater Banking Joint Powers Authority (GBJPA)

Date:

October 31, 2024

Reporting period:

July 1, 2024 through September 30, 2024

Provide a brief project description:

The Kern Fan Groundwater Storage Project (Kern Fan Project) is a proposed regional water bank with a storage capacity of 100,000 acre-feet located in the Kern Sub-Unit of the San Joaquin Valley Groundwater Basin in Kern County, California. The Project would be constructed and owned by the Groundwater Banking Joint Powers Authority (GBJPA). The GBJPA is comprised of members Irvine Ranch Water District (IRWD) and Rosedale-Rio Bravo Water Storage District (Rosedale). The Kern Fan Project would capture, recharge and store wet-year surface water that would otherwise be lost to the ocean for water use as needed.

Proposed project facilities include approximately 1200 acres of recharge basins, up to 12 wells, and associated pipelines. Water will be conveyed from the California Aqueduct to and from the Project sites via a newly proposed turnout at the California Aqueduct and a new conveyance canal with up to 500 cubic feet per second conveyance capacity.

Project storage capacity will be split between three storage accounts for Public and Non-Public Benefits. 25,000 AF will be allocated to an Ecosystem account, 37,500 AF to an IRWD account and the remaining 37,500 AF to a Rosedale account. The Project would be operated to store Article 21 water during wet years for the administration of Public and Non-Public Benefits. When Article 21 is not available, Project facilities would be used to recharge other sources of water including Section 215 water. During dry years, the stored water would be recovered for use.

Provide a brief description of public benefits:

Ecosystem Benefit- Fish Species Recovery: Approximately 25% of the Article 21 water stored by the Project would be dedicated for ecosystem benefits. The water would be used by DWR in an exchange that would provide short-term pulse flows to generate ecosystem benefits by improving habitat for fish species in the Feather and Sacramento Rivers and San Joaquin-Sacramento Delta.

Ecosystem Benefit- Incidental Wetland Habitat: The Central Valley is a crucial area along the Pacific Flyway for waterfowl. During recharge events, the inundated basins provide temporary habitat for waterfowl, shorebirds, raptors and other migratory birds.

Emergency Response Benefits- Extended Drought and Delta Failure: Groundwater stored as part of the project will be available to call on during a drought emergency or as an alternative supply in the case of a local supply outage. A separate emergency response benefit of the Project is the water supply provided by the Project in event of levee failure in the Delta that curtails water deliveries.

Water Supply Benefits: Water stored in the IRWD and Rosedale storage accounts would water supply benefits to IRWD, Rosedale and Dudley Ridge Water District. This water would be used for M&I and Agricultural purposes.

Increased Groundwater Level Benefit: The groundwater basin in Kern County is operated such that a portion of banked groundwater is not recovered by the banking entity and remains in the ground to bolster local groundwater levels. This "leave behind" water will improve water levels and provide a groundwater level benefit.

Agricultural Impact Benefit: An additional agricultural benefit from the Kern Fan Project is the preservation of permanent agricultural crops that would need to be replaced with low-value crops if the water from the Project were not available. The Article 21 water stored by the Project would allow for preservation of 600 acres of permanent crops.

Current total project cost:

\$353.75 million (2024 dollars)

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

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:

During the current reporting period, GBJPA member, Rosedale-Rio Bravo Water Storage District, met with Dudley Ridge Water District and Kern County Water Agency, to present the benefits of the proposed Joint Works Project, a conveyance alternative that the GBJPA has been studying. The Joint Works Project would convey water from the California Aqueduct for the benefit of the Kern Fan Groundwater Storage Project and augment the carrying capacity of the Cross Valley Canal.

During the current reporting period, construction progressed on the West Enos recharge facilities. Construction contractors completed the four steel cased crossings and HDPE carrier pipes beneath Enos Lane. All levee embankments and basin bottoms on West Enos have been completed. The turnouts and inter-basin structures are expected to be completed in the upcoming months.

Attach latest project schedule. In addition, describe below how the actual schedule is progressing in comparison to the schedule provided in the last reported 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.

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.

Note any milestones or accomplishments that occurred since submittal of the prior Quarterly Report:

During the current reporting period construction progressed on the permanent recharge facilities on the West Enos property.

In July, DWR certified the Draft Supplemental Environmental Impact Report (SEIR) for the Pulse Flow Component of the WSIP Groundwater Project.

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

The following items must be provided prior to scheduling a final award hearing. Please describe the status and include the estimated completion date for the following items. These dates should align with any attached project schedule.

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

List all required contracts for non-public benefit cost share, and provide the amount of associated funds, the status and estimated completion date. Please note any issues or concerns that have, will, or could affect the timing of executing contracts for non-public benefit cost share.

<b>Contract Name</b>	<b>\$ Amount</b>	<b>Status</b>	<b>Est Completion Date</b>
GBJPA Agreement	\$255.9 million (estimated)	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 Department for the non-public benefits was submitted in October 2021.  The current estimated project cost is \$353.75 million in 2024 dollars. The Kern Fan Project has been awarded approximately \$97.8 million in grant funding. The GBJPA will fund the remaining cost of the Project.	October 2021

#### **2. Contracts for administration of public benefits (CAPB):**

Provide a status for each applicable administering agency Draft and Final CAPB and estimated completion date for both. The Draft CAPB completion date is when Commission receives the Draft CAPB for a subsequent Commission meeting. The Final CAPB completion date is when it will be executed. Please note any issues or concerns that have, will, or could affect the timing of executing CAPBs or could change the magnitude of the public benefits that could affect cost allocation.

<b>CAPB Admin Agency</b>	<b>Status</b>	<b>Est Completion Date</b>
SWRCB	n/a	n/a
CDFW	Initial discussions between the GBJPA and CDFW have been held.	Aug-25
DWR	The GBJPA has been coordinating with DWR on several aspects of the Project and has held initial discussions regarding the Public Benefits agreements needed to facilitate the Ecosystem and Emergency Response benefits.	Jan-25

### 3. Completed feasibility studies:

Completion Date: November 22, 2021

### 4. Complete environmental documentation:

Provide the status and estimated completion date for all required environmental documentation (draft and final) for the project, including all Board resolutions adopting or certifying CEQA environmental documents, CEQA findings, mitigation monitoring and reporting program, Notice of Determination (NOD), and CEQA Addenda, and all NEPA completion documents, including the Record of Decision (ROD). Please note any issues or concerns that have, will, or could affect the timing of providing complete environmental documentation at the state or federal level.

<b>Environmental Document</b>	<b>Status</b>	<b>Est Completion Date</b>
State Document	Final Environmental Impact Report prepared in accordance with CEQA Plus Supplemental Environmental Impact Report for Pulse Flow Projects Addenda to EIR for California Aqueduct Turnout	12/28/2020 7/23/2024 1/16/2026
Federal Document	NEPA Compliance for Phase 1 of Kern Fan Project	10/26/2023

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

List permits needed for project to begin construction, describe status in acquiring them, and include estimated date to be acquired. Please note any issues or concerns that have, will, or could affect the timing of acquiring all federal, state, and local approvals, certifications, agreements, and permits necessary to begin project construction.

<b>Approvals / Certifications / Agreements / Permits</b>	<b>Status</b>	<b>Est Date Acquired</b>
Permits	Provided as Exhibit C	
Right of Way and Easements	Provided as Exhibit C	
Agreements	Provided as Exhibit C	


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

Provide an update on the following documents needed to execute a funding agreement for the project and indicate if any significant change has occurred. The Commission may request updated information prior to executing a funding agreement.

	<b>Status</b>	<b>Significant Change?</b>
Applicant's audited financial statements	Audited financial statements are available and will be submitted at prior to the funding agreement hearing.	No
Final project costs, schedule, and scope of work	The most recent Project cost and scope of work is available in the Feasibility Study submitted to the CWC November 2021. Updated Project schedules are provided as Attachments A and B. Final project costs, scope of work, and schedule will be provided to the CWC prior to the funding agreement hearing.	No
Evidence of bilateral communications with operators and owners of potentially impacted facilities regarding potential impacts of the proposed project to their facilities	n/a	n/a
Limited waiver of sovereign immunity	n/a	n/a

### **Status Update**

Provide a status update for the following and indicate if any significant change has occurred. The Commission may request updated information prior to executing a funding agreement.

	<b>Status</b>	<b>Significant Change?</b>
Labor Compliance	n/a	n/a
Urban Water Management Plans	IRWD is an urban water supplier and is required to submit an Urban Water Management Plan. IRWD's most recent Urban Water Management Plan was submitted to DWR on June 29, 2021.	No
Agricultural Water Management Plans	Rosedale is an independent special district under the provisions of the California Water Storage District Law and therefore is not required to complete an Agricultural or Urban Water Management Plan.	n/a
Potential effect on other conditional	A Supplemental Environmental Impact Report for proposed pulse flow benefits provided by the Kern Fan Project, Willow Springs Water Bank and Chino Basin	July 2024

eligible projects on the applicant's public benefits	Program has been released. A Final SEIR was completed and certified by DWR in July 2024.	
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### **Other Pertinent Information:**

#### **1. Sources of Funding**

List sources of funding (e.g., Federal, State grants, local partnerships, rate payers, loans...) to move the project to construction and provide the associated amount of funds from that source and a status of obtaining that funding source below:

<b>Funding Sources</b>	<b>\$ Amount</b>	<b>Status</b>	<b>Est Completion Date</b>
GBJPA	\$255.9 million	Under the GBJPA, both IRWD and Rosedale will fund the Project. IRWD and Rosedale have established funding plans for their share of Project costs.	Completed
State of California	\$89.1 million	The GBJPA expects to have a Funding Agreement with the CWC Jan 2027.	Jan-2027
Bureau of Reclamation	\$8.7 million	IRWD has a funding agreement with the Bureau of Reclamation for \$8.7 million for work on Phase 1 of the Project.	May-2024

#### **2. Early Funding Agreement Status**

Provide the status of the Early Funding Agreement (EFA), as applicable, and the percentage of EFA funds expended. If the EFA has been closed, describe how the remaining work needed to move the project to a final award hearing will be financed.

<b>Status</b>	<b>Percentage of EFA funds expended</b>
The GBJPA did not request early funding.	n/a

EXHIBIT "A"  
Project Schedule (CWC Table 1)

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names
0	Kern Fan Groundwater Storage Project	2957 days?	Mon 9/3/18	Mon 12/31/29		
1	Contracts for Non-Public Benefits Cost Share	478 days	Mon 9/3/18	Wed 7/1/20		
2	Execution of JPA Agreement for Kern Fan Project Authority	174 days	Fri 11/1/19	Wed 7/1/20		
3	Executed Non-Public Benefit Cost Share Contracts to Commission	1 day	Wed 7/1/20	Wed 7/1/20		
4	Contracts for Administration of Public Benefits	1139 days?	Wed 7/21/21	Mon 12/1/25		
5	DWR Draft CAPB	1067 days	Thu 7/1/21	Fri 8/1/25		
6	CDFW Draft CAPB	762 days	Thu 9/1/22	Fri 8/1/25		
7	CWC Review of CAPB	87 days?	Fri 8/1/25	Mon 12/1/25		
8	Completed Feasibility Study	534 days?	Mon 12/2/19	Wed 12/15/21		
9	Preparation of Draft Feasibility Study	459 days?	Mon 12/2/19	Wed 9/1/21		
10	Draft Final Feasibility Study to Commission	59 days	Wed 9/1/21	Mon 11/22/21		
11	Final Feasibility Study to Commission	18 days	Mon 11/22/21	Wed 12/15/21		
12	Environmental Documentation	1327 days?	Mon 9/2/19	Mon 9/30/24		
13	Preparation of CEQA+ (Supplemental EIR-NEPA Compliant)	370 days	Mon 9/2/19	Fri 1/29/21		
14	Submittal of Public Review Draft CEQA to Commission	24 days	Tue 9/29/20	Fri 10/30/20		
15	Submittal of Final CEQA Document to Commission	0 days	Mon 7/27/20	Mon 7/27/20		
16	Supplemental EIR for Pulse Flow Projects	675 days?	Tue 3/1/22	Mon 9/30/24		
17	Federal, State, and Local Approvals	1565 days	Mon 1/3/22	Fri 12/31/27		
18	Permitting	58.75 mons	Mon 7/3/23	Fri 12/31/27		
19	Funding Agreement Components	130 days	Mon 8/3/26	Fri 1/29/27		
20	Submittal of Draft Work Plan to Commission	130 days	Mon 8/3/26	Fri 1/29/27		
21	Submittal of Draft Schedule to Commission	130 days	Mon 8/3/26	Fri 1/29/27		
22	Submittal of Draft Budget to Commission	130 days	Mon 8/3/26	Fri 1/29/27		
23	Project Planning (Design)	1296 days?	Mon 3/7/22	Mon 2/22/27		
24	Bid Phase	1426 days	Mon 12/26/22	Mon 6/12/28		
25	Construction	1741 days	Mon 3/20/23	Mon 11/19/29		
26	Begin Operation	30 days	Tue 11/20/29	Mon 12/31/29	25	

Project: Kern Fan Groundwater  
Date: Thu 4/25/24

Task Split Milestone Project Summary Inactive Milestone Manual Task Manual Summary Rollup Start-only External Tasks Deadline Manual Progress

Summary Inactive Task Inactive Summary Duration-only Manual Summary Finish-only External Milestone Progress

EXHIBIT "B"  
Kern Fan Groundwater Storage Project Overall Schedule

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Notes	Timeline																							
								2015 H1 H2	2016 H1 H2	2017 H1 H2	2018 H1 H2	2019 H1 H2	2020 H1 H2	2021 H1 H2	2022 H1 H2	2023 H1 H2	2024 H1 H2	2025 H1 H2	2026 H1 H2	2027 H1 H2	2028 H1 H2	2029 H1 H2	2030 H1 H2	2031 H1 H2	2032 H1 H2	2033 H1 H2					
0	<b>Kern Fan Groundwater Storage Project</b>	<b>3131 days?</b>	<b>Mon 1/1/18</b>	<b>Mon 12/31/29</b>				<b>Kern Fan Groundwater Storage Project</b>																							
1	CWC WSIP Quarterly Reporting	2956 days	Mon 9/3/18	Mon 12/31/29				<b>CWC WSIP Quarterly Reporting</b>																							
2	<b>Planning Phase (JPA, studies)</b>	<b>2370 days?</b>	<b>Mon 1/1/18</b>	<b>Sun 1/31/27</b>				<b>Planning Phase (JPA, studies)</b>																							
3	<b>Kern Fan Project Authority</b>	<b>388 days</b>	<b>Mon 1/7/19</b>	<b>Wed 7/1/20</b>				<b>Kern Fan Project Authority</b>																							
4	Organizational Structure	82 days	Mon 1/7/19	Tue 4/30/19				<b>Organizational Structure</b>																							
5	JPA Bylaws	195 days	Thu 10/3/19	Wed 7/1/20				<b>JPA Bylaws</b>																							
6	JPA Formation	283 days	Mon 6/3/19	Wed 7/1/20				<b>JPA Formation</b>																							
7	Phase 1 Land Evaluation and Due Diligence	60 days	Thu 7/29/21	Wed 10/20/21				<b>Phase 1 Land Evaluation and Due Diligence</b>																							
8	Phase 1 Land Acquisition	72 days	Thu 10/21/21	Fri 1/28/22				<b>Phase 1 Land Acquisition</b>																							
9	Phase 2 Land Evaluation and Due Diligence	90 days	Mon 6/3/24	Fri 10/4/24				<b>Phase 2 Land Evaluation and Due Diligence</b>																							
10	Phase 2 Land Acquisition	315 days?	Mon 11/4/24	Fri 1/16/26				<b>Phase 2 Land Acquisition</b>																							
11	DWR Pool 28 Study	349 days	Tue 3/1/22	Fri 6/30/23				<b>DWR Pool 28 Study</b>																							
12	Canal Alignment Alternatives Evaluation	172 days	Tue 4/30/24	Wed 12/25/24				<b>Canal Alignment Alternatives Evaluation</b>																							
13	<b>Agreements</b>	<b>1935 days</b>	<b>Mon 1/1/18</b>	<b>Fri 5/30/25</b>				<b>Agreements</b>																							
14	Article 21 Water Agreement between KCWA and Rosedale	1828 days	Mon 1/1/18	Wed 1/1/25				<b>Article 21 Water Agreement between KCWA and Rosedale</b>																							
15	Article 21 Water SWPAO Agreement between IRWD/DRWD/KCWA/DWR	1075 days	Thu 11/19/20	Wed 1/1/25				<b>Article 21 Water SWPAO Agreement between IRWD/DRWD/KCWA/DWR</b>																							
16	Exchange Agreement between DWR/KCWA/DRWD/GBJPA	783 days	Mon 1/3/22	Wed 1/1/25				<b>Exchange Agreement between DWR/KCWA/DRWD/GBJPA</b>																							
17	DWR Turnout Agreement	890 days	Mon 1/3/22	Fri 5/30/25				<b>DWR Turnout Agreement</b>																							
18	<b>Contracts for Administration of Public Benefits</b>	<b>1153 days</b>	<b>Thu 7/1/21</b>	<b>Mon 12/1/25</b>				<b>Contracts for Administration of Public Benefits</b>																							
19	DWR Draft CAPB	1067 days	Thu 7/1/21	Fri 8/1/25				<b>DWR Draft CAPB</b>																							
20	CDWF Draft CAPB	762 days	Thu 9/1/22	Fri 8/1/25				<b>CDWF Draft CAPB</b>																							
21	CWC Draft CAPB	87 days	Fri 8/1/25	Mon 12/1/25				<b>CWC Draft CAPB</b>																							
22	<b>CWC Funding Agreement Components</b>	<b>132 days</b>	<b>Sat 8/1/26</b>	<b>Sun 1/31/27</b>				<b>CWC Funding Agreement Components</b>																							
23	Submittal of Draft Work Plan to Commission	132 days	Sat 8/1/26	Sun 1/31/27																											
24	Submittal of Draft Schedule to Commission	132 days	Sat 8/1/26	Sun 1/31/27																											
25	Submittal of Draft Budget to Commission	132 days	Sat 8/1/26	Sun 1/31/27																											
26	<b>Completed Feasibility Study</b>	<b>533 days?</b>	<b>Mon 12/2/19</b>	<b>Wed 12/15/21</b>				<b>Completed Feasibility Study</b>																							
27	Preparation of Draft Feasibility Study	458 days?	Mon 12/2/19	Wed 9/1/21				<b>Preparation of Draft Feasibility Study</b>																							
28	Draft Final Feasibility Study to Commission	59 days	Wed 9/1/21	Mon 11/22/21				<b>Draft Final Feasibility Study to Commission</b>																							
29	Final Feasibility Study to Commission	18 days	Mon 11/22/21	Wed 12/15/21				<b>Final Feasibility Study to Commission</b>																							
30	Development of Adaptive Management Program	219 days	Tue 10/1/24	Fri 8/1/25				<b>Development of Adaptive Management Program</b>																							
31	<b>Environmental</b>	<b>1326 days?</b>	<b>Mon 9/2/19</b>	<b>Mon 9/30/24</b>				<b>Environmental</b>																							
32	Submittal of Draft Project Description	0 days	Mon 1/20/20	Mon 1/20/20																											
33	Preparation of NOP and NOC	56 days	Tue 1/21/20	Tue 4/7/20				<b>Preparation of NOP and NOC</b>																							



**EXHIBIT "B"**  
Kern Fan Groundwater Storage Project Overall Schedule

ID	Task 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			
								H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
34	30-day Scoping Period and Public Meeting	30 days	Mon 3/30/20	Fri 5/8/20																																											
35	Preparation of EIR Project Description	21 days	Thu 4/23/20	Thu 5/21/20																																											
36	Technical Reports	31 days	Tue 5/5/20	Tue 6/16/20																																											
37	Prepare Administrative Draft SEIR	61 days	Tue 5/5/20	Tue 7/28/20																																											
38	Agency Review of Administrative Draft SEIR	11 days	Tue 7/28/20	Tue 8/11/20																																											
39	Prepare Screencheck Draft SEIR	21 days	Tue 8/11/20	Tue 9/8/20																																											
40	Agency Review of Screencheck Draft SEIR	11 days	Tue 9/8/20	Tue 9/22/20																																											
41	Prepare Public Draft SEIR, NOA, and NOC	6 days	Tue 9/22/20	Tue 9/29/20																																											
42	45-day Draft SEIR Review and Public Meeting	34 days	Tue 9/29/20	Fri 11/13/20																																											
43	Prepare Final SEIR and Response to Comments	41 days	Fri 11/13/20	Fri 1/8/21																																											
44	Prepare Findings, SOC, and NOD	16 days	Fri 1/8/21	Fri 1/29/21																																											
45	Prepare MMRCP	16 days	Fri 1/8/21	Fri 1/29/21																																											
46	Draft Supplemental EIR for Pulse Flow Projects	544 days?	Tue 3/1/22	Fri 3/29/24																																											
47	Final Supplemental EIR for Pulse Flow Projects	110 days?	Thu 4/18/24	Wed 9/18/24	46																																										
48	GBJPA Certification of Supplemental EIR	21 days?	Mon 9/2/24	Mon 9/30/24																																											
49	Right-of-Way & Easements	598 days	Fri 12/26/24	Tue 3/24/26																																											
50	Right-of-Way Evaluation & Document Review	75 days	Thu 12/26/24	Wed 4/9/25																																											
51	Preliminary Meetings with Landowners	45 days	Mon 3/3/25	Fri 5/2/25																																											
52	Appraisals/Valuations	60 days	Mon 5/5/25	Fri 7/25/25	51																																										
53	Establish Survey Control and Monumentation	75 days	Thu 4/10/25	Wed 7/23/25	50																																										
54	Prepare Permanent and Temporary Easement Plats & Descriptions	100 days	Thu 7/24/25	Wed 12/10/25	53																																										
55	Executed Easements & Rights-of-Way	60 days	Thu 12/11/25	Wed 3/4/26	54																																										
56	Permitting	1175 days?	Mon 7/3/23	Fri 12/31/27																																											
57	Caltrans Permit- Enos Lane (Phase 1)	1 day?	Thu 11/30/23	Thu 11/30/23																																											
58	Caltrans Permit- Stockdale Hwy Crossing (Phase 1)	105 days?	Mon 11/6/23	Fri 3/29/24																																											
59	DWR Permitting for Aqueduct TO	510 days	Mon 3/11/24	Fri 2/20/26																																											
60	Petition for Instream Flow Dedication (1707)	261 days?	Mon 10/21/24	Mon 10/20/25																																											
61	Outlet Canal Crossing - Army Corp, CVFPB, Buena Vista, CDFW, DWR	340 days	Mon 11/4/24	Fri 2/20/26																																											
62	Caltrans Permit - IS Crossing	180 days	Mon 11/3/25	Fri 7/10/26																																											
63	Caltrans Permit - Stockdale Hwy Crossing	180 days	Mon 11/3/25	Fri 7/10/26																																											
64	Incidental Take Permit	180 days?	Mon 11/3/25	Fri 7/10/26																																											
65	County Encroachment Permit	60 days	Mon 7/6/26	Fri 9/25/26																																											
66	Well Drilling Permits	915 days	Mon 7/1/24	Fri 12/31/27																																											
67	RFP for CM Firm	741 days	Mon 6/20/22	Mon 4/21/25																																											

**EXHIBIT "B"**  
**Kern Fan Groundwater Storage Project Overall Schedule**

ID	Task 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					
								H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2		
68	RFP for Design Firm	105 days	Mon 12/6/21	Fri 4/29/22																																													
69	<b>Design Phase</b>	<b>1296 days?</b>	<b>Mon 3/7/22</b>	<b>Mon 2/22/27</b>																																													
70	Phase 1 Recharge Basins	805 days?	Wed 6/1/22	Tue 7/1/25																																													
71	Goose Lake Channel Pump Station, Check Structure, Interbasin Structures, Well Pipelines and Intertie	395 days	Mon 7/1/24	Fri 1/2/26																																													
72	Phase II Recharge Basins, Well Pipelines and Interbasin Structures	395 days	Mon 7/1/24	Fri 1/2/26																																													
73	Phase I and II Well Drilling and Equipping	520 days	Mon 3/4/24	Fri 2/27/26																																													
74	Aqueduct Turnout Facility	280 days	Mon 1/6/25	Fri 1/30/26																																													
75	Conveyance Facilities, Including Turnouts and Pump Stations	360 days	Mon 1/6/25	Fri 5/22/26																																													
76	SCADA and PLC Programming	426 days	Mon 7/7/25	Mon 2/22/27																																													
77	<b>Bid Phase</b>	<b>1426 days?</b>	<b>Mon 12/26/22</b>	<b>Mon 6/12/28</b>																																													
78	Phase I Recharge Facility	306 days?	Fri 11/3/23	Fri 1/3/25																																													
79	Phase II Recharge Facility	61 days	Mon 2/2/26	Mon 4/27/26																																													
80	Aqueduct TO, Conveyance, Lift Station(s), and Appurtenances	7.25 mons	Mon 2/2/26	Fri 8/21/26																																													
81	Phase I Pipelines and Interbasin Structures	60 days	Mon 2/2/26	Fri 4/24/26																																													
82	Phase II Pipelines and Interbasin Structures	60 days	Mon 5/4/26	Fri 7/24/26																																													
83	Phase I Well Drilling and Well Equipping	61 days	Mon 8/5/24	Mon 10/28/24																																													
84	Phase II Well Drilling and Well Equipping	60 days	Mon 4/6/26	Fri 6/26/26																																													
85	SCADA Project	941 days	Mon 11/4/24	Mon 6/12/28																																													
86	<b>Construction Phase</b>	<b>1771 days?</b>	<b>Mon 3/20/23</b>	<b>Mon 12/31/29</b>																																													
87	Phase I Recharge Facility	19.1 mons	Wed 1/3/24	Thu 6/19/25																																													
88	Phase II Recharge Facility	7.5 mons	Mon 5/4/26	Fri 11/27/26																																													
89	Aqueduct TO, Conveyance, Lift Station(s), and Appurtenances	18 mons	Fri 5/1/26	Thu 9/16/27																																													
90	Phase I Well Pipelines and Interbasin Structures	15.4 mons	Mon 5/4/26	Wed 7/7/27																																													
91	Phase II Well Pipelines and Interbasin Structures	6 mons	Mon 9/7/26	Fri 2/19/27																																													
92	Phase I Well Drilling and Well Equipping	31.85 mons	Mon 8/5/24	Tue 1/12/27																																													
93	Phase II Well Drilling and Well Equipping	34.1 mons	Mon 11/9/26	Tue 6/19/29																																													
94	SCADA Project	39.45 mons	Wed 11/11/26	Mon 11/19/29																																													
95	Pump Station Equipping	679 days	Tue 9/1/26	Fri 4/6/29																																													
96	PG&E Electrical Service to Facilities	26.15 mons	Wed 9/9/26	Fri 9/8/28																																													
97	Start-up, Testing, & Trouble-Shooting	1.8 mons	Mon 10/1/29	Mon 11/19/29																																													
98	Project Float	1 day?	Tue 11/20/29	Tue 11/20/29																																													
99	Project Close-Out	1.45 mons	Wed 11/21/29	Mon 12/31/29																																													

Project: Kern Fan Groundwater Storage Project  
Date: Thu 4/25/24


**Exhibit "C"**

**All Required Federal, State, and Local Approvals, Certifications, and Agreements**

<b>Permits</b>	<b>Start</b>	<b>Complete</b>	<b>Required to Initiate Phase 2/ Deliver Public Benefits to the Delta</b>	<b>Notes</b>
Caltrans Permit - Enos Lane Crossing Phase 1	Jul-23	Nov-23	N/A	Permit Issued
Caltrans Permit - Stockdale Hwy Crossing Phase 1	Nov-23	Mar-24	N/A	Permit Pending
Petition for Instream Flow Dedication (1707)	Oct-24	Oct-25	Yes	DWR lead. Initially thought it would not be required, but as of Jan 2024 per David Okita, State Board has indicated it will be required.
Outlet Canal Crossing - Permits and Approvals:	Nov-24	Feb-26	Yes	
<i>Army Corps of Engineers</i>				Section 404
<i>Regional Water Quality Control Board</i>				Section 401
<i>California Dept of Fish and Wildlife</i>				Section 1601 Lake and Streambed Alteration Agreement
<i>DWR Turnout</i>				Encroachment Permit/Right of Entry
<i>State Parks - Tule Elk Preserve</i>				Encroachment Permit - need depends on final alignment of conveyance
<i>Central Valley Flood Protection Board</i>				
Caltrans Permit I-5 Crossing	Nov-25	Jul-26	Yes	
Caltrans Permit - Stockdale Hwy Crossing	Nov-25	Jul-26	Yes	
Incidental Take Permit - CDFW	Nov-25	Jul-26	Yes	
County of Kern - Encroachment Permit	Jul-26	Sep-26	Yes	
Kern County Environmental Health Dept - Well Drilling Permits	Jul-24	Dec-27	No	Wells are phased in. Permits can be secured earlier.
<b>Right of Way and Easements</b>	<b>Start</b>	<b>Complete</b>	<b>Required to Initiate Phase 2/Deliver Public Benefits to the Delta</b>	<b>Notes</b>
Executed Right of Way and Easements for Conveyance	Dec-24	Mar-26	Yes	Requirements for easements and right of way will depend on property acquisition locations and final canal alignment
<i>California Dept of Fish and Wildlife</i>				Approval of conveyance easement across Kern Water Bank Habitat Conservation Plan (HCP) area (could be part of ITP approval above)
<i>Kern Water Bank Authority</i>				Conveyance easement across Kern Water Bank property
<i>U.S. Fish and Wildlife</i>				Approval of conveyance easement across HCP area. Possible concurrence with CDFW ITP approval.
<i>Kern County Water Agency</i>				Cross Valley Canal easement and/or crossing. Approval for Aqueduct turnout.
<i>Buena Vista Water Storage District</i>				Outlet canal crossing and main canal crossing

Agreements	Start	Complete	Required to Initiate Phase 2/Deliver Public Benefits to the Delta	Notes
Article 21 Agreement between KCWA and Rosedale	Oct-24	Jan-25	Yes	
Article 21 Agreement between DRWD/IRWD/KCWA/DWR	Oct-24	Jan-25	Yes	Approval of a change in Point of Delivery of a portion of DRWD SWP supplies (consent by Metropolitan Water District of Southern California)
Pulse Flow Exchange Agreement between DWR/KCWA/DRWD/GBJPA	Oct-24	Jan-25	Yes	
DWR/KCWA Turnout Agreement	Oct-24	May-25	Yes	
CDFW - Public Benefits Agreement	Oct-24	Aug-25	Yes	