

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:

Rosedale-Rio Bravo Water Storage District (Rosedale) and Irvine Ranch Water District (IRWD)

Date:

January 31, 2021

Reporting Period:

November 1, 2020 - December 31, 2020

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:

Environmental Review:

During the current reporting period, the Applicants prepared the Draft Environmental Impact Report (EIR). A Notice of Availability of the Draft EIR was posted with the County Clerks in Kern County and Orange County on October 16, 2020. On October 19, 2020, a Notice of Completion of the Draft EIR was filed with the Office of Planning and Research, initiating a 45-day public review period. The Groundwater Banking Joint Powers Authority (Authority) is the Lead Agency for the project with Rosedale and IRWD as Responsible Agencies. The Authority, in consultation with Rosedale and IRWD reviewed written comments received on the Draft EIR and prepared detailed responses to comments directed to any significant environmental issues. On December 28, 2020, the Authority certified the Final EIR, adopted the Findings and Facts in Support of Findings and associated Mitigation Monitoring and Reporting Program, and filed a Notice of Determination. During the next reporting period, the Boards of Rosedale and IRWD each will have adopted the Final EIR and filed separate

Notices of Determination. We anticipate submitting the Final EIR documents to the Commission in February 2021.

Agreements with DWR: Applicants continue to work with DWR on development of the exchange agreement for the pulse flows out of Lake Oroville that will provide the public ecosystem benefits. Modeling work on the location of the new turnout on the California Aqueduct continues in collaboration with DWR and SWP contractor, Kern County Water Agency.

Engineering and Design:

The Applicants continued to work on technical memoranda with design consultants Dee Jaspar and Associates and Zeiders Consulting. The following technical memoranda: 1. Project Phasing and Design and Contractor Selection, 2. Conveyance Capacity Requirements, 3. Pipeline Requirements, and 4. Pump Station Requirements should be finalized during the next reporting period. We plan to solicit proposals for design firms in Spring 2021.

Kern Fan Groundwater Storage Project Schedule:

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. Exhibit A has been updated to reflect changes made on Exhibit B.

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. Substantial updates were made to Exhibit "B" to reflect an updated construction schedule developed as a result of more detail-level pre-design work that has occurred over the past quarter. The Applicants intend to design and construct the Project in five different stages. The Permitting, Right-of-Way and Easements, Design, Bid, and Construction schedule line items have been updated to reflect the phased approach of constructing the Project. Construction is now expected to begin April 2022 with all phases of the Project being fully operational by May 2028. The project remains on track to meet Commission deadlines.

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.

Estimated Completion Date: Completed July 2020

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 2021

Percent Complete: 45%

3. Completed feasibility studies:

Status: Applicants initiated the project Feasibility Study during the third quarter of 2019. A final draft of the Feasibility Study is expected to be submitted to the CWC for review by Spring of 2021.

Estimated Completion Date: June 2021

Percent Complete: 75%

4. Final environmental documentation:

Status: The Groundwater Banking Joint Powers Authority certified the Final EIR document on December 28, 2020. There were no unmitigated 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 will work with the appropriate agencies on all required federal, state and local approvals, certifications and agreements.

Estimated Completion Date: August 2024

Percent Complete: 10%

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 Quarterly Reports.

Status Update

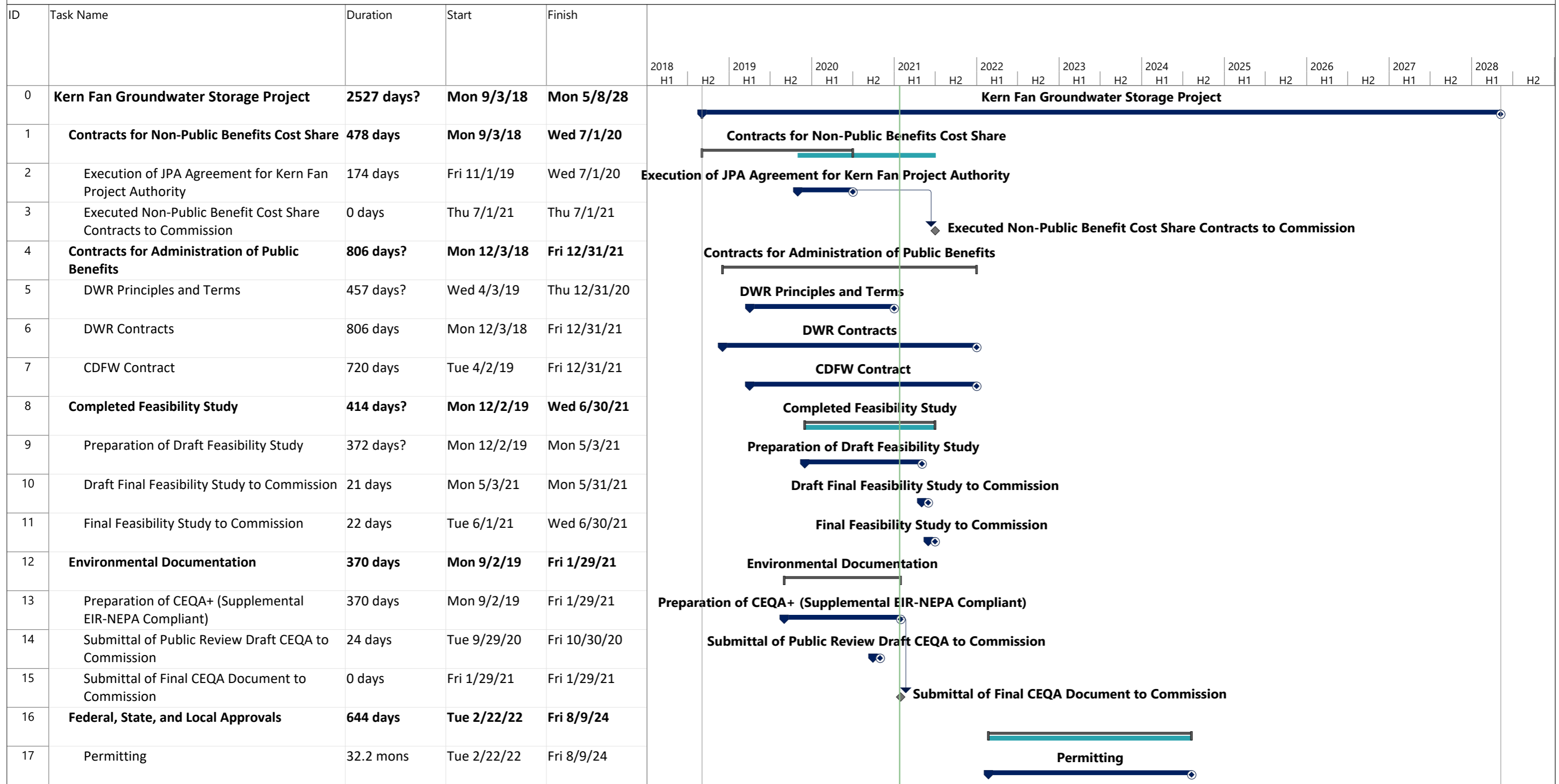
Provide a status update for the following, as applicable:

- 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.

EXHIBIT "A"
Project Schedule (CWC Table 1)



Project: Kern Fan Groundwater Date: Mon 1/25/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

EXHIBIT "A"
Project Schedule (CWC Table 1)

ID	Task Name	Duration	Start	Finish	Timeline																							
					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		
18	Funding Agreement Components	176 days	Mon 1/4/21	Fri 9/3/21																								
19	Submittal of Draft Work Plan to Commission	176 days	Mon 1/4/21	Fri 9/3/21																								
20	Submittal of Draft Schedule to Commission	176 days	Mon 1/4/21	Fri 9/3/21																								
21	Submittal of Draft Budget to Commission	176 days	Mon 1/4/21	Fri 9/3/21																								
22	Project Planning (Design)	715 days?	Mon 4/5/21	Fri 12/29/23																								
23	Bid Phase	601 days	Mon 1/24/22	Mon 5/13/24																								
24	Construction	1580 days	Mon 4/18/22	Fri 5/5/28																								
25	Begin Operation	1 day	Mon 5/8/28	Mon 5/8/28																								

Project: Kern Fan Groundwater Date: Mon 1/25/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

EXHIBIT "B"
Kern Fan Groundwater Storage Project Overall Schedule

ID	Task Name	Duration	Start	Finish	Gantt Chart																											
					2018 H2	2018 H1	2019 H2	2019 H1	2019 H2	2020 H1	2020 H2	2021 H1	2021 H2	2022 H1	2022 H2	2023 H1	2023 H2	2024 H1	2024 H2	2025 H1	2025 H2	2026 H1	2026 H2	2027 H1	2027 H2	2028 H1	2028 H2	2029 H1	2029 H2			
0	Kern Fan Groundwater Storage Project	2525 days?	Mon 9/3/18	Fri 5/5/28																												
1	CWC WSIP Quarterly Reporting	2525 days	Mon 9/3/18	Fri 5/5/28																												
2	Planning Phase (JPA, studies)	840 days?	Mon 10/15/18	Fri 12/31/21																												
3	Kern Fan Project Authority	388 days	Mon 1/7/19	Wed 7/1/20																												
4	Organizational Structure	82 days	Mon 1/7/19	Tue 4/30/19																												
5	JPA Bylaws	195 days	Thu 10/3/19	Wed 7/1/20																												
6	JPA Formation	283 days	Mon 6/3/19	Wed 7/1/20																												
7	Land Evaluation (Recharge Assessment)	291 days	Fri 11/29/19	Fri 1/8/21																												
8	Due Diligence to Purchase Land	223 days	Mon 5/4/20	Wed 3/10/21																												
9	Land Aquisition	108 days	Mon 11/9/20	Wed 4/7/21																												
10	Hydraulic Study (California Aqueduct)	185 days	Mon 10/15/18	Fri 6/28/19																												
11	Canal Alignment Alternatives Evaluation	172 days	Mon 5/6/19	Tue 12/31/19																												
12	DWR Agreements	805 days	Mon 12/3/18	Fri 12/31/21																												
13	Development of Agreement Principles	456 days	Mon 12/3/18	Mon 8/31/20																												
14	Agreement with DWR/DRWD/KCWA	349 days	Tue 9/1/20	Fri 12/31/21																												
15	DWR Turnout Terms	260 days	Tue 9/3/19	Mon 8/31/20																												
16	DWR Turnout Agreement	349 days	Tue 9/1/20	Fri 12/31/21																												
17	Contracts for Administration of Public Benefits	805 days	Mon 12/3/18	Fri 12/31/21																												
18	DWR Assurance Terms	457 days	Wed 4/3/19	Thu 12/31/20																												
19	DWR Contract for Public Benefits	805 days	Mon 12/3/18	Fri 12/31/21																												

Project: Kern Fan Groundwater Date: Mon 1/25/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
	Summary		Inactive Summary		Manual Summary		External Milestone			

EXHIBIT "B"
Kern Fan Groundwater Storage Project Overall Schedule

ID	Task Name	Duration	Start	Finish	2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029					
					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			
20	CDFW Contract for Public Benefits	719 days	Tue 4/2/19	Fri 12/31/21	<p align="center">CDFW Contract for Public Benefits</p>																											
21	CWC Funding Agreement Components	175 days	Mon 1/4/21	Fri 9/3/21	<p align="center">CWC Funding Agreement Components</p>																											
22	Submittal of Draft Work Plan to Commission	175 days	Mon 1/4/21	Fri 9/3/21	<p align="center">Submittal of Draft Work Plan to Commission</p>																											
23	Submittal of Draft Schedule to Commission	175 days	Mon 1/4/21	Fri 9/3/21	<p align="center">Submittal of Draft Schedule to Commission</p>																											
24	Submittal of Draft Budget to Commission	175 days	Mon 1/4/21	Fri 9/3/21	<p align="center">Submittal of Draft Budget to Commission</p>																											
25	Completed Feasibility Study	413 days?	Mon 12/2/19	Wed 6/30/21	<p align="center">Completed Feasibility Study</p>																											
26	Preparation of Draft Feasibility Study	371 days?	Mon 12/2/19	Mon 5/3/21	<p align="center">Preparation of Draft Feasibility Study</p>																											
27	Draft Final Feasibility Study to Commission	21 days	Mon 5/3/21	Mon 5/31/21	<p align="center">Draft Final Feasibility Study to Commission</p>																											
28	Final Feasibility Study to Commission	22 days	Tue 6/1/21	Wed 6/30/21	<p align="center">Final Feasibility Study to Commission</p>																											
29	Development of Adaptive Management Program	175 days	Mon 1/4/21	Fri 9/3/21	<p align="center">Development of Adaptive Management Program</p>																											
30	Environmental	370 days	Mon 9/2/19	Fri 1/29/21	<p align="center">Environmental</p>																											
31	Submittal of Draft Project Description	0 days	Mon 1/20/20	Mon 1/20/20	<p align="center">◆ 1/20</p>																											
32	Preparation of NOP and NOC	56 days	Tue 1/21/20	Tue 4/7/20	<p align="center">Preparation of NOP and NOC</p>																											
33	30-day Scoping Period and Public Meeting	30 days	Mon 3/30/20	Fri 5/8/20	<p align="center">30-day Scoping Period and Public Meeting</p>																											
34	Preparation of EIR Project Description	21 days	Thu 4/23/20	Thu 5/21/20	<p align="center">Preparation of EIR Project Description</p>																											
35	Technical Reports	31 days	Tue 5/5/20	Tue 6/16/20	<p align="center">Technical Reports</p>																											
36	Prepare Administrative Draft SEIR	61 days	Tue 5/5/20	Tue 7/28/20	<p align="center">Prepare Administrative Draft SEIR</p>																											
37	Agency Review of Administrative Draft SEIR	11 days	Tue 7/28/20	Tue 8/11/20	<p align="center">Agency Review of Administrative Draft SEIR</p>																											
38	Prepare Screencheck Draft SEIR	21 days	Tue 8/11/20	Tue 9/8/20	<p align="center">Prepare Screencheck Draft SEIR</p>																											
39	Agency Review of Screencheck Draft SEIR	11 days	Tue 9/8/20	Tue 9/22/20	<p align="center">Agency Review of Screencheck Draft SEIR</p>																											

Project: Kern Fan Groundwater Date: Mon 1/25/21	Task		Project Summary		Manual Task		Start-only		Deadline	
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Kern Fan Groundwater Storage Project Overall Schedule

ID	Task Name	Duration	Start	Finish	2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029					
					H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1				
40	Pepare Public Draft SEIR, NOA, and NOC	6 days	Tue 9/22/20	Tue 9/29/20	<p align="center">Peppare Public Draft SEIR, NOA, and NOC</p>																											
41	45-day Draft SEIR Review and Public Meeting	34 days	Tue 9/29/20	Fri 11/13/20	<p align="center">45-day Draft SEIR Review and Public Meeting</p>																											
42	Prepare Final SEIR and Response to Comments	41 days	Fri 11/13/20	Fri 1/8/21	<p align="center">Prepare Final SEIR and Response to Comments</p>																											
43	Prepare Findings, SOC, and NOD	16 days	Fri 1/8/21	Fri 1/29/21	<p align="center">Prepare Findings, SOC, and NOD</p>																											
44	Prepare MMRCP	16 days	Fri 1/8/21	Fri 1/29/21	<p align="center">Prepare MMRCP</p>																											
45	Right-of-Way & Easements	225 days	Thu 4/8/21	Wed 2/16/22	<p align="center">Right-of-Way & Easements</p>																											
46	Right-of-Way Evaluation & Document Review	60 days	Thu 4/8/21	Wed 6/30/21	<p align="center">Right-of-Way Evaluation & Document Review</p>																											
47	Preliminary Meetings with Landowners	30 days	Tue 6/1/21	Mon 7/12/21	<p align="center">Preliminary Meetings with Landowners</p>																											
48	Appraisals/Valuations	45 days	Wed 6/30/21	Tue 8/31/21	<p align="center">Appraisals/Valuations</p>																											
49	Establish Survey Control and Monumentation	60 days	Thu 7/1/21	Wed 9/22/21	<p align="center">Establish Survey Control and Monumentation</p>																											
50	Prepare Permanent and Temporary Easement Plats & Descriptions	75 days	Thu 9/23/21	Wed 1/5/22	<p align="center">Prepare Permanent and Temporary Easement Plats & Descriptions</p>																											
51	Executed Easements & Rights-of-Way	30 days	Thu 1/6/22	Wed 2/16/22	<p align="center">Executed Easements & Rights-of-Way</p>																											
52	Permitting	644 days	Tue 2/22/22	Fri 8/9/24	<p align="center">Permitting</p>																											
53	DWR Permitting for Aqueduct TO	265 days	Mon 8/1/22	Fri 8/4/23	<p align="center">DWR Permitting for Aqueduct TO</p>																											
54	State Parks Permitting	240 days	Mon 8/1/22	Sun 7/2/23	<p align="center">State Parks Permitting</p>																											
55	Outlet Canal Crossing - Army Corp, CVFPB, Buena Vista, CDFW, DWR	265 days	Mon 8/1/22	Fri 8/4/23	<p align="center">Outlet Canal Crossing - Army Corp, CVFPB, Buena Vista, CDFW, DWR</p>																											
56	Caltrans Permit - I5 Crossing	180 days	Mon 12/4/23	Fri 8/9/24	<p align="center">Caltrans Permit - I5 Crossing</p>																											
57	Caltrans Permit - Stockdale Hwy Crossing	180 days	Mon 12/4/23	Fri 8/9/24	<p align="center">Caltrans Permit - Stockdale Hwy Crossing</p>																											
58	KCWA Encroachment Permit	180 days	Mon 12/4/23	Fri 8/9/24	<p align="center">KCWA Encroachment Permit</p>																											
59	County Encroachment Permit	60 days	Mon 12/4/23	Fri 2/23/24	<p align="center">County Encroachment Permit</p>																											

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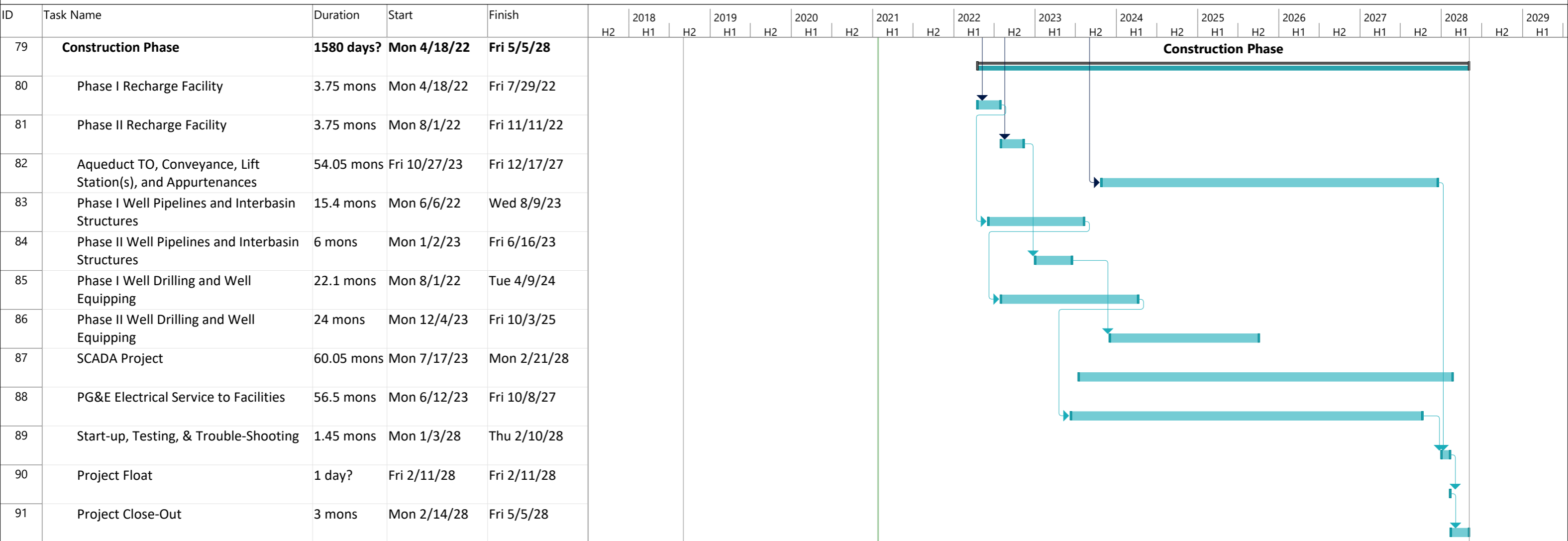
EXHIBIT "B"
Kern Fan Groundwater Storage Project Overall Schedule

ID	Task Name	Duration	Start	Finish	2018		2019		2020		2021		2022		2023		2024		2025		2026		2027		2028		2029		
					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
60	Well Drilling Permits	374 days	Tue 2/22/22	Fri 7/28/23																									
61	RFP for CM Firm	741 days	Mon 7/19/21	Mon 5/20/24																									
62	RFP for Design Firm	75 days	Mon 1/4/21	Fri 4/16/21																									
63	Design Phase	715 days	Mon 4/5/21	Fri 12/29/23																									
64	Phase I Recharge Basins, Goose Lake Channel Pump Station, Check Structure, Interbasin Structures, Well Pipelines and Intertie	210 days	Mon 4/5/21	Fri 1/21/22																									
65	Phase II Recharge Basins, Well Pipelines and Interbasin Structures	210 days	Mon 4/5/21	Fri 1/21/22																									
66	Phase I and II Well Drilling and Equipping	175 days	Mon 8/2/21	Fri 4/1/22																									
67	Aqueduct Turnout Facility	280 days	Mon 7/11/22	Fri 8/4/23																									
68	Conveyance Facilities, Including Turnouts and Pump Stations	360 days	Mon 7/11/22	Fri 11/24/23																									
69	SCADA and PLC Programming	426 days	Fri 5/13/22	Fri 12/29/23																									
70	Bid Phase	601 days?	Mon 1/24/22	Sun 5/12/24																									
71	Phase I Recharge Facility	60 days?	Mon 1/24/22	Fri 4/15/22																									
72	Phase II Recharge Facility	61 days	Mon 5/2/22	Mon 7/25/22																									
73	Aqueduct To, Conveyance, Lift Station(s), and Appurtenances	7 mons	Mon 8/7/23	Fri 2/16/24																									
74	Phase I Pipelines and Interbasin Structures	60 days?	Mon 3/7/22	Fri 5/27/22																									
75	Phase II Pipelines and Interbasin Structures	60 days	Mon 9/26/22	Fri 12/16/22																									
76	Phase I Well Drilling and Well Equipping	61 days?	Mon 5/2/22	Mon 7/25/22																									
77	Phase II Well Drilling and Well Equipping	60 days	Mon 9/4/23	Fri 11/24/23																									
78	SCADA Project	62 days?	Thu 2/15/24	Fri 5/10/24																									

Project: Kern Fan Groundwater Date: Mon 1/25/21	Task		Project Summary		Manual Task		Start-only		Deadline	
	Split		Inactive Task		Duration-only		Finish-only		Progress	
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
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EXHIBIT "B"

Kern Fan Groundwater Storage Project Overall Schedule



Project: Kern Fan Groundwater
Date: Mon 1/25/21

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