## Water Storage Investment Program Quarterly Report Template

The Quarterly Report is intended to document the applicant's 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 Name:	Kern Fan Groundwater Storage	Kern Fan Groundwater Storage Project										
Applicant Name:	Rosedale-Rio Bravo Water Stora	Rosedale-Rio Bravo Water Storage District and Irvine Ranch Water District										
Date:	October 30, 2019	<b>Reporting Period:</b>	July 1, 2019 through September 30, 2019									

# Please describe any key issues that occurred during this reporting period. You may attach additional documents or pages if more space is needed.

Key Issues:

No key issues have been identified in the current reporting period.

Current Quarterly Update on Milestones and Accomplishments:

Environmental Review Consultant:

During this quarterly reporting period, project co-applicant Irvine Ranch Water District (IRWD), executed an agreement with a consulting firm to conduct environmental review for the Project.

## Project Planning and Feasibility Study:

During the current reporting period, the applicants executed an agreement with a consulting firm to begin early planning and engineering work on the project design. The consultants developed a Preliminary Design Report for the Kern Fan Project that includes a Class 4 Feasibility Level Cost Estimate and preliminary design drawings. The information provided in the Preliminary Design Report will be used as a basis for the Feasibility Study required as a condition of funding.

Applicants have started to work on the Feasibility Study and expect to submit a draft to CWC staff within first quarter of 2020.

Coordination with DWR:

The Applicants, SWP Contractor Kern County Water Agency and engineering consultants met with DWR on July 26 with executive and senior management of the California Department of Water Resources (DWR) to discuss the analysis and approval of a new turnout from the California Aqueduct, as well as the development of operational agreement(s) that will be necessary to operate the Kern Fan Groundwater Storage Project. The meeting was attended by Acting Deputy Director Ted Craddock, the Chief of State Water Project Operations, the Chief of the State Water Project Analysis Office and the Chief of the Water Contracts Branch. A representative from the Kern County Water Agency also attended the meeting to support Rosedale as the SWP Contractor that will be acting on behalf of Rosedale.

The Applicants presented an overview of the Kern Fan Project as well as the work needed to evaluate the feasibility and impacts associated with a new Aqueduct turnout for the Project. The Applicants described the exchange concepts that would need to be incorporated into the operational agreement(s) for the Project. The materials presented at the meeting were well received by DWR management and they expressed their support for the project. They also expressed the need to work together to meet time constraints that have been imposed on the project by grant requirements of the California Water Commission.

A follow up meeting was held on September 20, 2019, with DWR State Water Project Operations staff, San Joaquin Field Division staff, State Water Project Analysis Office and Kern County Water Agency staff to discuss the project in more detail. The Applicants provided DWR with the CalSim II and spreadsheet models of the project, and DWR agreed to provide Aqueduct flow and Aqueduct capacity data to the applicants. The next step is to schedule a meeting between the DWR team and the Applicants to discuss real-time operations, Aqueduct capacity and Article 21 availability and to perform tabletop exercises.

Kern Fan Groundwater Storage Project Schedules:

1. Funding Agreement Milestone - Table 1: Project Schedule

The following Table 1: Project Schedule provides the milestones stipulated in the Maximum Conditional Eligibility Determination Letter dated July 27, 2018.

			%
Kern Fan Groundwater Storage Project Funding Agreement Milestone:	Start Date	Finish Date	Complete
Non-Public Benefit Cost Share Contracts			
• Estimated date for submittal of executed non-public benefit cost share contracts	Sep 2018	Jan 2020	70%
Contracts for Administration of Public Benefit			
<ul> <li>Estimated date for submittal of executed contract with Department of Fish and Wildlife (CDFW) for administration of public benefits</li> </ul>	Jan 2020	Dec 2020	0%
<ul> <li>Estimated date for submittal of executed contract with Department of Water Resources (DWR) for administration of public benefits</li> </ul>	Jan 2020	Dec 2020	0%
Completed Feasibility Study	Sep 2019	Apr 2020	50%
<ul> <li>Estimated date for submittal of the Draft Final Completed FeasibilityStudy</li> </ul>		Mar 2020	0%
<ul> <li>Estimated date for submittal of the Final Completed Feasibility Study</li> </ul>		Apr 2020	0%
Environmental Documentation (CEQA+ document to be prepared)	Sep 2019	Jan 2021	2%
<ul> <li>Estimated date for submittal of the Public Review Draft CEQA document</li> </ul>		Jun 2020	0%
<ul> <li>Estimated date for submittal of the Final CEQA document</li> </ul>		Sep 2020	0%
Federal, State, Local Approvals	Jan 2020	Dec 2021	0%
Funding Agreement Components:			
<ul> <li>Estimated date for submittal of draft work plan, schedule, and budget that will be used by the Commission to develop the WSIP funding agreement</li> </ul>	Aug 2020	Feb 2021	0%
Project Planning (Design)	May 2020	Oct 2023	0%

## Table 1: Project Schedule

Construction	Apr 2021	Sep 2025	0%	
Begin Operation	Sep 2025	Sep 2025	0%	

Attached as Exhibit "A" is the Funding Agreement Milestone Schedule entitled "Project Schedule (CWC Table 1)" which provides more detail to the schedule in the above Table 1 for the Kern Fan Groundwater Storage Project.

#### 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. The following changes have occurred to the Kern Fan Groundwater Storage Project schedule since the initial quarterly report in October 2018.

The Feasibility Study completion date was extended to April 2020. In addition, based on information provided in the Preliminary Design Report, the schedule for the design, bid phase, and construction phase was modified so the schedule of these categories overlap. The schedule is structured so that as soon as the Phase I design is completed, the bid phase and associated construction for Phase 1 is triggered. While Phase I is being constructed, Phase II will be undergoing design. This phased approach to the design, bid, and construction will help ensure Project completion in 2025.

There were no other substantive changes to the schedules during the reporting period ending September 30, 2019.

The original schedule anticipated project completion in Q1 of 2025. The new schedule, based on the recent Preliminary Design Report, anticipates project completion in Q3 of 2025.

	Prior to scheduling a hearing, the following items must be provided:		
Description	Status	Estimated Completion Date	Percent Complete %
Contracts for non- public cost share	Applicants will each equally fund the non-public cost share. No contracts, other than a Joint Powers Authority Agreement between Rosedale and IRWD, are anticipated.	Jan 2020	70%
Contracts for administration of public benefits	Applicants will work with the Commission, CDFW and DWR on the agreements for administration of public benefits. No agreement with the State Water Board is needed for this project.	Dec 2020	0%
Completed feasibility studies	Applicants initiated the project Feasibility Study during the third quarter of 2019. A draft final version of the Feasibility Study will be submitted to the CWC for review in the first quarter of 2020.	Apr 2020	50%

Final environmental documentation	Applicants initiated work on the environmental documentation in the third quarter of 2019. Draft CEQA documents are expected to be submitted to the CWC in second quarter 2020 and final CEQA documents to CWC in third quarter 2020.	Sep 2020	2%
All required federal, state, and local approvals, certifications, and agreements	Applicants will work with the appropriate agencies on all required federal, state and local approvals, certifications and agreements.	Dec 2021	0%

#### **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 the 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.

Labor Compliance

No updates to information provided in prior Quarterly Reports.

Urban Water Management Plans and Agricultural Water Management Plans

No updates to information provided in prior Quarterly Reports.

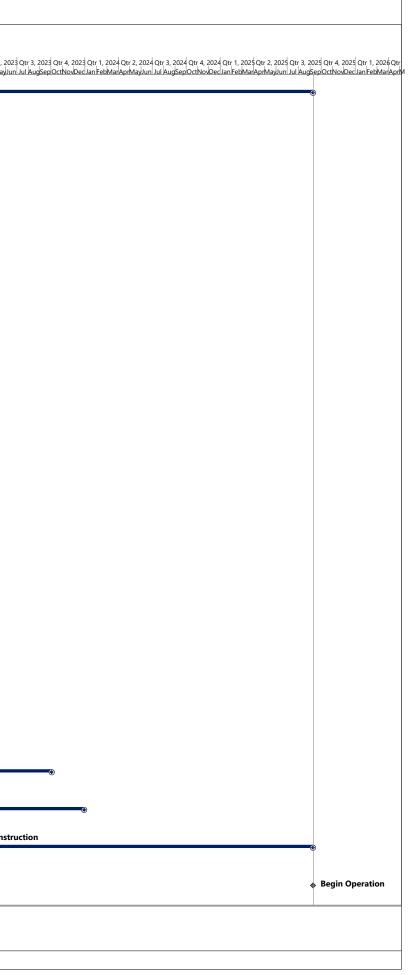
Groundwater Sustainability Plans

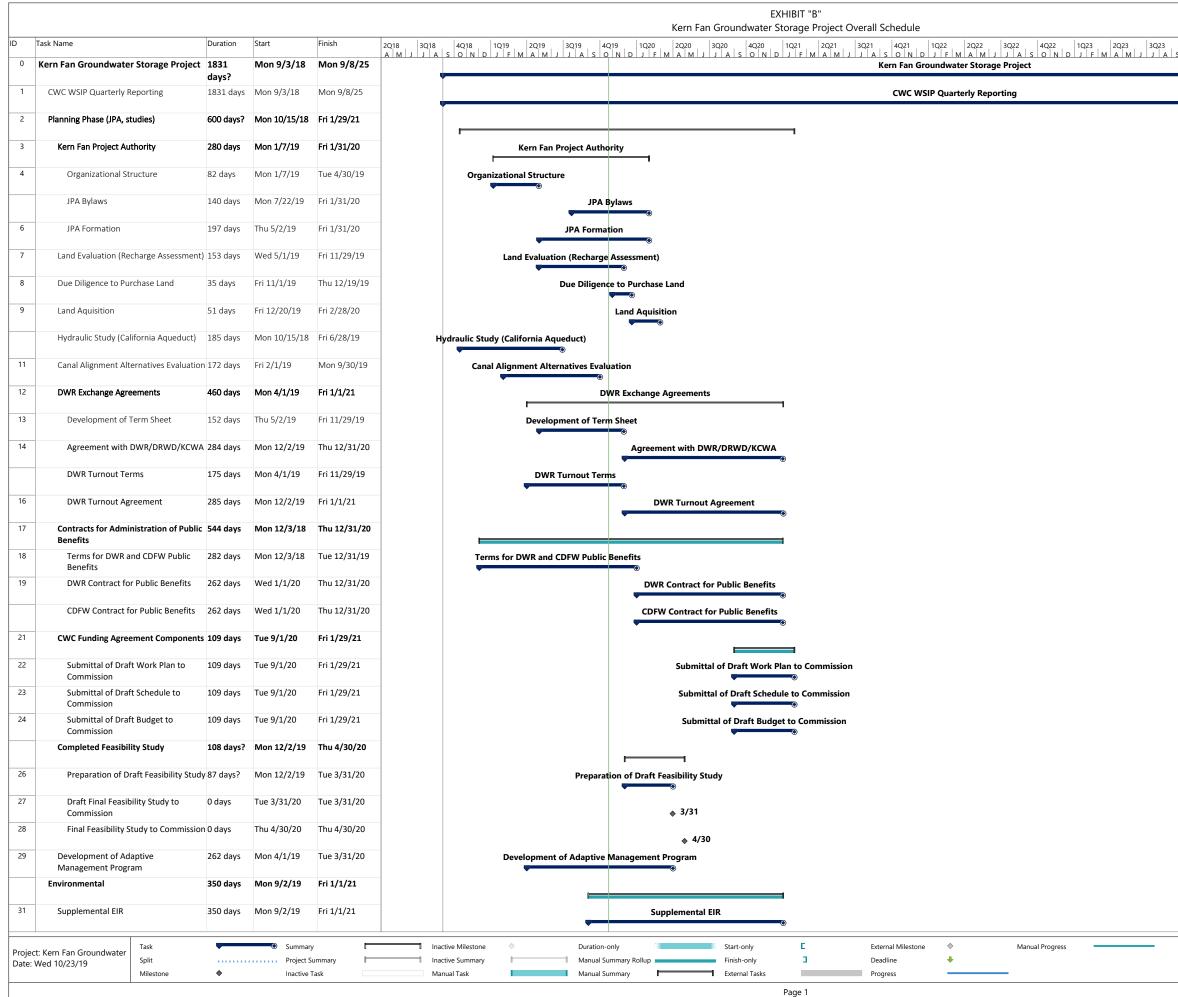
No updates to information provided in prior Quarterly Reports.

Potential Effect of Other Eligible Projects:

No updates to information provided in prior Quarterly Reports.

			223/19 Split Milestone I	Project	Summary 🛛		nactive Summary 1anual Task	Manual Summary Rollup     Finish-only     Deadline       Manual Summary     External Tasks     Progress   Page 1
roiec	ct: Ke	ern I	Fan Groundwater	Summa			nactive Milestone	Duration-only     Start-only     External Milestone     Manual Progress
				1158 days O days	Thu 4/1/21 Tue 9/9/25	Mon 9/8/25 Tue 9/9/25		Const
				780 days	Mon 1/4/21	Fri 12/29/23		Bid Phase
21			Project Planning (Design)	892 days?	Fri 5/1/20	Mon 10/2/23		Project Planning (Design)
20		•	Submittal of Draft Budget to Commission	109 days	Tue 9/1/20	Fri 1/29/21		Submittal of Draft Budget to Commission
19		•	Submittal of Draft Schedule to Commission	109 days	Tue 9/1/20	Fri 1/29/21		Submittal of Draft Schedule to Commission
18		•	Submittal of Draft Work Plan to Commission	109 days	Tue 9/1/20	Fri 1/29/21		Submittal of Draft Work Plan to Commission
17		7	Funding Agreement Components	109 days	Tue 9/1/20	Fri 1/29/21		
16		•	Permitting	369 days	Wed 1/1/20	Mon 5/31/21		Permitting
15		7	Commission Federal, State, and Local Approvals	369 days	Wed 1/1/20	Mon 5/31/21		Submittal of Final CEQA Document to Commission
14				0 days	Fri 1/1/21	Fri 1/1/21	12	Submittal of Public Review Draft CEQA to Commission
13				0 days	Mon 11/2/20	Mon 11/2/20		
			Preparation of CEQA+ (Supplemental	350 days	Mon 9/2/19	Fri 1/1/21		Preparation of CEQA+ (Supplemental EIR-NEPA Compliant)
11				350 days	Mon 9/2/19	Fri 1/1/21		Environmental Documentation
7				108 days?	Mon 12/2/19			© Completed Feasibility Study
6				459 days	Mon 4/1/19	Thu 12/31/20		© CDFW Contract
5			Benefits	544 days		Thu 12/31/20		DWR Contract
4			Contracts to Commission	0 days 544 days	Mon 4/1/19	Mon 4/1/19 Thu 12/31/20		<ul> <li>Executed Non-Public Benefit Cost Share Contracts to Commission</li> <li>Contracts for Administration of Public Benefits</li> </ul>
			Project Authority		Mon 9/3/18	Fri 1/31/20		Execution of JPA Agreement for Kern Fan Project Authority
1		7	Contracts for Non-Public Benefits Cost Share		Mon 9/3/18	Fri 1/31/20		
0			Kern Fan Groundwater Storage Project	1831 days?	Mon 9/3/18	Tue 9/9/25		Kern Fan Groundwater Storage Project
	0							Qtr 3, 2018 Qtr 4, 2018 Qtr 1, 2019 Qtr 2, 2019 Qtr 3, 2019 Qtr 4, 2019 Qtr 1, 2020 Qtr 2, 2020 Qtr 3, 2020 Qtr 4, 2020 Qtr 1, 2021 Qtr 1, 2021 Qtr 3, 2021 Qtr 4, 2021 Qtr 1, 2022 Qtr 3, 2022 Qtr 4, 2022 Qtr 1, 2023 Qtr 2, 2020 Qtr 3, 2020 Qtr 4, 2021 Qtr 4, 2022 Qtr 4,
		!	Task Name	Duration	Start	Finish	Predecessors	





Q23	1Q24 J F M	2Q24 AMJ	3Q24 J A S	4Q24 O N D	1Q25 J F M	2Q25 A M J	3Q25 J A S	4Q25 5 0 N D	1Q26 J F M	2Q26 A M
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-	Task Name	Duration	Start	Finish	
32	Right-of-Way & Easements	241 days	Mon 3/2/20	Mon 2/1/21	2018 3018 4018 1019 2019 3019 4019 1020 2020 3020 4020 1021 2021 3021 4021 1022 2022 3022 4022 1023 2023 3023 A M J J A S O N D J F M A M J J A S O N
33	Right-of-Way Evaluation & Document Review	60 days	Mon 3/2/20	Fri 5/22/20	Right-of-Way Evaluation & Document Review
34	Preliminary Meetings with Landowners	30 days	Fri 5/1/20	Thu 6/11/20	Preliminary Meetings with Landowners
5	Appraisals/Valuations	45 days	Mon 5/25/20	Fri 7/24/20	Appraisals/Valuations
5	Establish Survey Control and Monumentation	60 days	Mon 5/25/20	Fri 8/14/20	Establish Survey Control and Monumentation
7	Prepare Permanent and Temporary Easement Plats & Descriptions	75 days	Mon 8/17/20	Fri 11/27/20	Prepare Permanent and Temporary Easement Plats & Descriptions
3	Executed Easements & Rights-of-Way	46 days	Mon 11/30/20	Mon 2/1/21	Executed Easements & Rights-of-Way
	Permitting	373 days	Wed 1/1/20	Fri 6/4/21	
D	DWR Permitting for Aqueduct TO	245 days	Wed 1/1/20	Tue 12/8/20	DWR Permitting for Aqueduct TO
1	State Parks Permitting	241 days	Mon 3/2/20	Mon 2/1/21	State Parks Permitting
2	Outlet Canal Crossing - Army Corp, CVFPB, Buena Vista, CDFW, DWR	241 days	Mon 3/2/20	Mon 2/1/21	Outlet Canal Crossing - Army Corp, CVFPB, Buena Vista, CDFW, DWR
3	Caltrans Permit - 15 Crossing	180 days	Fri 4/24/20	Thu 12/31/20	Caltrans Permit - 15 Crossing
	Caltrans Permit - Stockdale Hwy Crossing	180 days	Fri 4/24/20	Thu 12/31/20	Caltrans Permit - Stockdale Hwy Crossing
5	KCWA Encroachment Permit	180 days	Fri 4/24/20	Thu 12/31/20	KCWA Encroachment Permit
	County Encroachment Permit	60 days	Fri 10/9/20	Thu 12/31/20	County Encroachment Permit
	Well Drilling Permits	60 days	Tue 3/9/21	Mon 5/31/21	Well Drilling Permits
;	RFP for Project Surveying	263 days	Fri 11/1/19	Tue 11/3/20	
	RFP Preparation	20 days	Fri 11/1/19	Thu 11/28/19	RFP Preparation
	RFP Interviews	20 days	Fri 11/29/19	Thu 12/26/19	RFP Interviews
I	Survey Firm Selection	10 days	Fri 12/27/19	Thu 1/9/20	Survey Firm Selection
2	Agreement Execution	15 days	Fri 1/10/20	Thu 1/30/20	Agreement Execution
3	Topographic Surveying	198 days	Fri 1/31/20	Tue 11/3/20	Topographic Surveying
1	RFP for CM Firm	95 days	Tue 1/21/20	Mon 6/1/20	
5	RFP Preparation	40 days	Mon 1/20/20	Fri 3/13/20	RFP Preparation
5	RFP Interviews	30 days	Mon 3/16/20	Fri 4/24/20	RFP Interviews
,	CM Firm Selection	10 days	Mon 4/27/20	Fri 5/8/20	CM Firm Selection
	Agreement Execution	15 days	Mon 5/11/20	Fri 5/29/20	Agreement Execution
9	RFP for Design Firm	65 days	Mon 2/3/20	Fri 5/1/20	
)	RFP Preparation	20 days	Mon 2/3/20	Fri 2/28/20	RFP Preparation
1	RFP Interviews	20 days	Mon 3/2/20	Fri 3/27/20	RFP Interviews
2	Design Firm Selection	10 days	Mon 3/30/20	Fri 4/10/20	Design Firm Selection
3	Agreement Execution	15 days	Mon 4/13/20	Fri 5/1/20	Agreement Execution
				. –	
	t: Kern Fan Groundwater Ned 10/23/19		<ul> <li>Summary</li> <li>Project S</li> </ul>		I Inactive Milestone ♦ Duration-only I Start-only E External Milestone ♦ Manual Progress — Inactive Summary II Manual Summary Rollup — Finish-only I Deadline ♥
1	Milestone	٠	Inactive <sup>-</sup>	Task	Manual Task Manual Summary External Tasks Progress

4Q23 1Q24 2 S O N D J F M	2Q24 3Q24 A M J J A S	4Q24 1Q25 ONDJFM	2Q25 3Q25 A M J J A	4Q25 1Q26 S O N D J F M	2Q26 A M J

									Kern Fan G		KHIBIT "B" Storage Projec	t Overall Sche	edule				
D	Task Name	Duration	Start	Finish	2Q18 3Q18 A M J J A S	4Q18 1Q1	3Q19 4Q19	1Q20		20 4Q20	1Q21 2Q21	3Q21 40	Q21 1Q22	2Q22	3Q22 4Q22	1Q23 2Q2	23 3Q23
64	Design Phase	892 days	Fri 5/1/20	Mon 10/2/23		5-0-11-0-5-	<u>J   A   J   O   I</u>								<u> </u>		
65	Phase I Recharge Facility - P,S, & E	154 days	Fri 5/1/20	Wed 12/2/20	-			P	hase I Rechar	ge Facility - P,S,	, & E						
66	Phase II Recharge Facility - P,S, & E	7.5 mons	Thu 12/3/20	Wed 6/30/21						Phase II F	Recharge Facilit	y - P,S, & E					
67	Aqueduct TO, Conveyance, Lift Station(s), and Appurtenances - P,S, &		Thu 12/3/20	Fri 12/31/21	-				Aq	ueduct TO, Con	nveyance, Lift St	tation(s), and A	oppurtenance	es - P,S, & E			
68	Phase I Well Drilling - P,S, & E	4 mons	Mon 5/24/21	Fri 9/10/21							Phase I W	/ell Drilling - P,9	S, & E				
69	Phase II Well Drilling - P,S, & E	4 mons	Mon 9/13/21	Fri 12/31/21	-							Phase II Well	Drilling - P,S	5, & E			
70	Phase I Well Equipping - P,S, & E	152 days?	Tue 2/1/22	Wed 8/31/22	-								Phase I	Well Equippin	g - P,S, & E		
71	Phase II Well Equipping - P,S, & E	153 days?	Wed 6/1/22	Fri 12/30/22	-									Phase II W	ell Equipping	- P,S, & E	
72	SCADA Project - P,S, & E	14.1 mons	Thu 9/1/22	Sat 9/30/23	-										s	CADA Project -	P,S, & E
73	Bid Phase	780 days	Mon 1/4/21	Fri 12/29/23	-												
74	Phase I Recharge Facility	65 days?	Mon 1/4/21	Fri 4/2/21						Phase	I Recharge Facil	lity					
75	Phase II Recharge Facility	65 days	Thu 7/1/21	Wed 9/29/21							Pha	se II Recharge F	Facility				
76	Aqueduct TO, Conveyance, Lift Station(s), and Appurtenances	4 mons	Mon 1/3/22	Fri 4/22/22	-						Aq	ueduct TO, Con	nveyance, Lif	t Station(s), an	d Appurtenan	ces	
77	Phase I Well Drilling	66 days?	Mon 11/15/21	Mon 2/14/22								Pha	ase I Well Dr	illing			
78	Phase II Well Drilling	66 days	Mon 5/23/22	Mon 8/22/22	-									Phase II We	ell Drilling		
79	Phase I Well Equipping	65 days?	Mon 11/7/22	Fri 2/3/23	-										Phase I W	/ell Equipping	
80	Phase II Well Equipping	65 days	Mon 4/10/23	Fri 7/7/23												Phase II W	Vell Equipping
81	SCADA Project	65 days?	Mon 10/2/23	Fri 12/29/23	-												5
82	Construction Phase	1158 days	Thu 4/1/21	Mon 9/8/25													
83	Phase I Recharge Facility	10.85 mon	s Mon 4/5/21	Tue 2/1/22	-						Ph	nase I Recharge	Facility				
84	Phase II Recharge Facility	11 mons	Thu 9/30/21	Wed 8/3/22									Phase II Re	charge Facility	•		
85	Aqueduct TO, Conveyance, Lift Station(s), and Appurtenances	40 mons	Mon 4/25/22	Fri 5/16/25	-											Aqueduct TC	D, Conveyance
86	Phase I Well Drilling	12 mons	Wed 2/2/22	Tue 1/3/23									-	Phase I W	ell Drilling	0	
87	Phase II Well Drilling	12 mons	Thu 8/4/22	Wed 7/5/23	-										Phase	e II Well Drilling	•
88	Phase I Well Equipping	18 mons	Wed 1/4/23	Tue 5/21/24												<u> </u>	Phase I We
89	Phase II Well Equipping	18 mons	Thu 7/6/23	Wed 11/20/24	-											•	-
90	SCADA Project	14 mons	Mon 1/1/24	Fri 1/24/25	-												
91	PG&E Electrical Service to Facilities	9 mons	Wed 5/22/24	Tue 1/28/25	-												
92	Start-up, Testing, & Trouble-Shooting	3 mons	Mon 5/19/25	Fri 8/8/25	-												
93	Project Float	1 day?	Mon 8/11/25	Mon 8/11/25													
94	Project Close-Out	1 mon	Tue 8/12/25	Mon 9/8/25	-												
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	t: Kern Fan Groundwater	•	Summar, Broinst S			ve Milestone	\$ Duration-only			Start-only	C 3	External N		¢ <b>↓</b>	Manual Progre	ss	
Date: \	Wed 10/23/19 Split Milestone	<b>♦</b>	Project S			ve Summary Ial Task	Manual Summ Manual Summ		1	Finish-only External Tasks	-	Deadline Progress		•	-		
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