

SACRAMENTO REGIONAL  
**WATER BANK**



*A Sustainable Storage & Recovery Program*



# RWA Board Meeting Sacramento Regional Water Bank Project Development Update

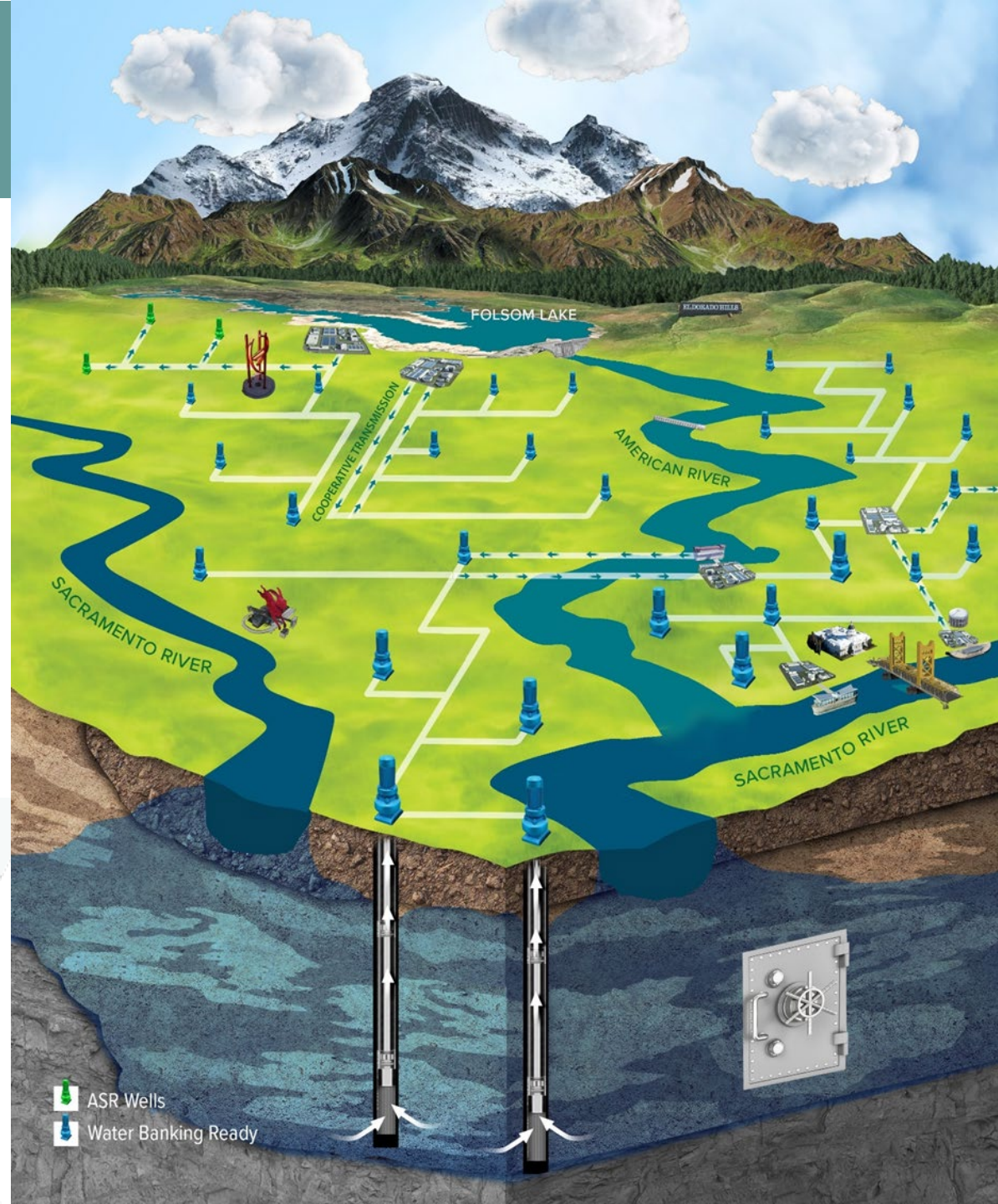
May 16, 2024



# Agenda

1. Water Bank Benefits
2. Water Accounting System Update
3. CEQA Status
4. Plan of Study & Budget Update
5. Project status at a glance

RWA BOARD MEETING - May 16, 2024



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# Water Bank – Project Benefits and Outcomes

<p><b>Federal Acknowledgement</b></p> <p>Enables (1) any CVP contract supply to be banked outside the service area of that contractor, and (1) recovery of that supply by CVP and non-CVP contractors</p>	<p><b>Environmental Compliance</b></p> <p>Through CEQA and NEPA documents, evaluates (1) expansion of existing conjunctive use, and (2) Reclamation acknowledgement of Water Bank</p>	<p><b>Water Accounting System</b></p> <p>Accommodates multiple accounts that support all participating agencies and GSAs</p>
<p><b>External Partners</b></p> <p>Through pilot opportunities, establishes relationships and develops institutional knowledge with external partners</p> <p>Supports securing long-term agreements that provide consistent and reliable benefits to the region</p>	<p><b>Surface Water/ Groundwater Interaction</b></p> <p>Advances science and understanding of both accretion and depletions associated with water banking operations</p>	<p><b>Financial Agreements</b></p> <p>Develops framework to encourage broad, active, and beneficial implementation of conjunctive use by all participating agencies</p>

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# Water Accounting System Road Map

RWA BOARD MEETING – May 16, 2024

 Oct 2023 PC Meeting	 Nov 2023 PC Meeting	 Jan 2024 Ad-Hoc and Monthly PC Meetings	 Jan-Mar 2024 Baseline Discussions with Agencies	 Near-Term Next Steps
<ul style="list-style-type: none"> <li>Recap</li> <li>Concepts</li> <li>Overview: Elements and Process</li> <li>Schedule</li> </ul>	<ul style="list-style-type: none"> <li>Functional Element 1: Accounting Rules</li> <li>Functional Element 2: Data Collection, Management, Transparency, and Reporting</li> </ul>	<ul style="list-style-type: none"> <li>SGMA 101 and Relationship to Water Bank/WAS</li> <li>WAS Baseline:               <ul style="list-style-type: none"> <li>Relationship of Water Bank and GSP water budgets</li> <li>Approach to defining WAS baseline</li> <li>Approach to modeling Water Bank EIR Analysis</li> <li>Agency-specific assumptions for Water Bank baseline and operations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Agency-specific information on baselines, potential Water Bank participation, 65/55 and 95/95 scenarios, data used in calculations</li> <li>Q&amp;A and follow-on discussions</li> </ul>	<ul style="list-style-type: none"> <li>Complete revision of baselines (agency and overall)</li> <li>Define Water Bank operations and mechanics (“rules” and guidelines)</li> <li>Develop protocols for:               <ul style="list-style-type: none"> <li>Data collection, management, transparency, and reporting</li> <li>Adaptive management</li> <li>Administration</li> </ul> </li> <li>Frame WAS tracker tool</li> </ul>

Coordination with overlying GSAs, potential participants, other interested parties

  
GSA Coordination Mtg #1

  
May 29, 2024: GSA Coordination Mtg #2

**Proposed Schedule – Subject to Change**

# Water Accounting System — Agency Feedback

- Recharge and storage of water underground on behalf of specific parties - both regional and statewide
  - Formal accounting systems to keep track of balances
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- Operational Baseline for Accounting
- Recharge Accounting
- Recovery Accounting
- Leave-Behind and Losses Accounting

## SACRAMENTO REGIONAL WATER BANK

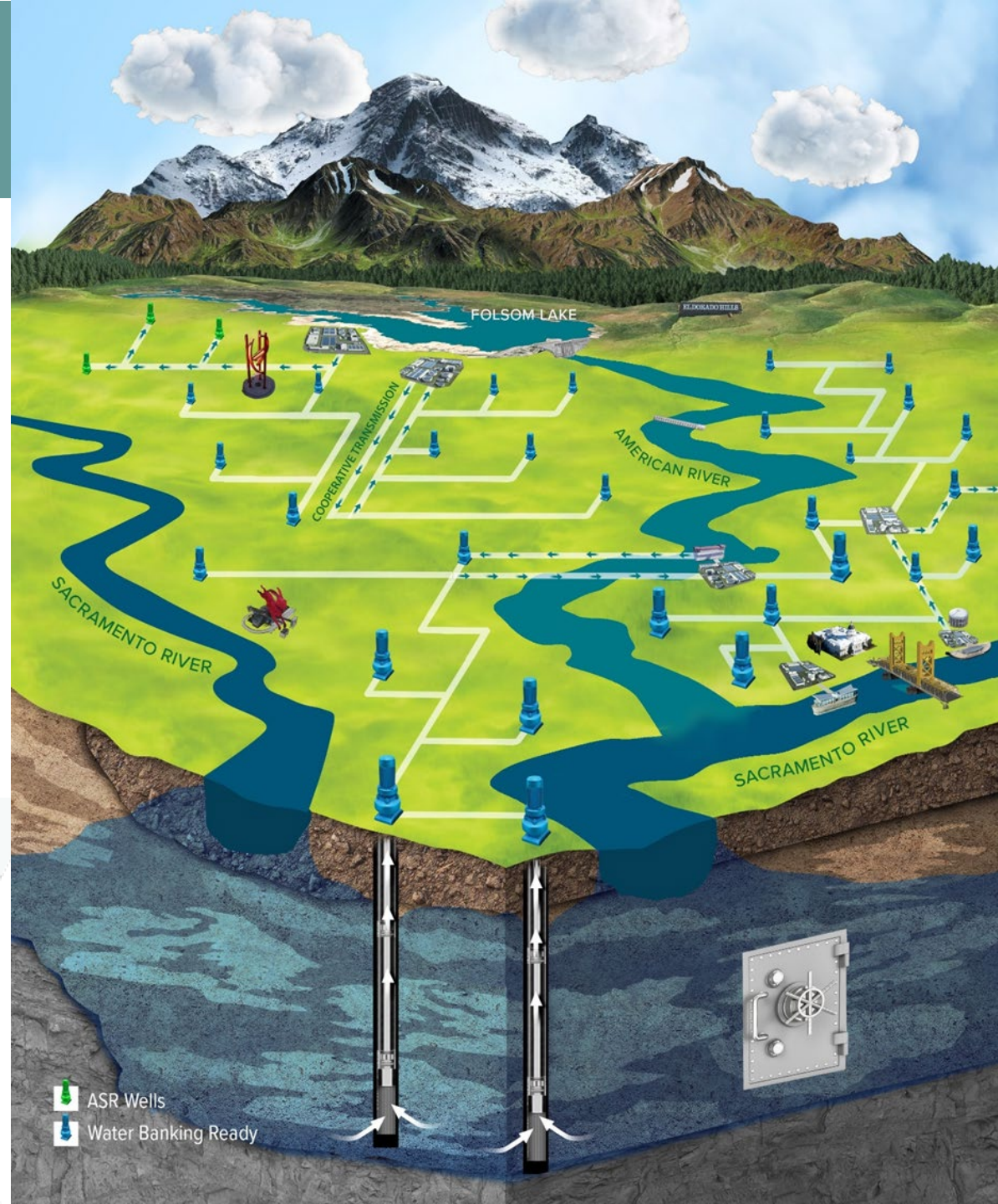
Overview of the Proposed Water Accounting System

March 26, 2024

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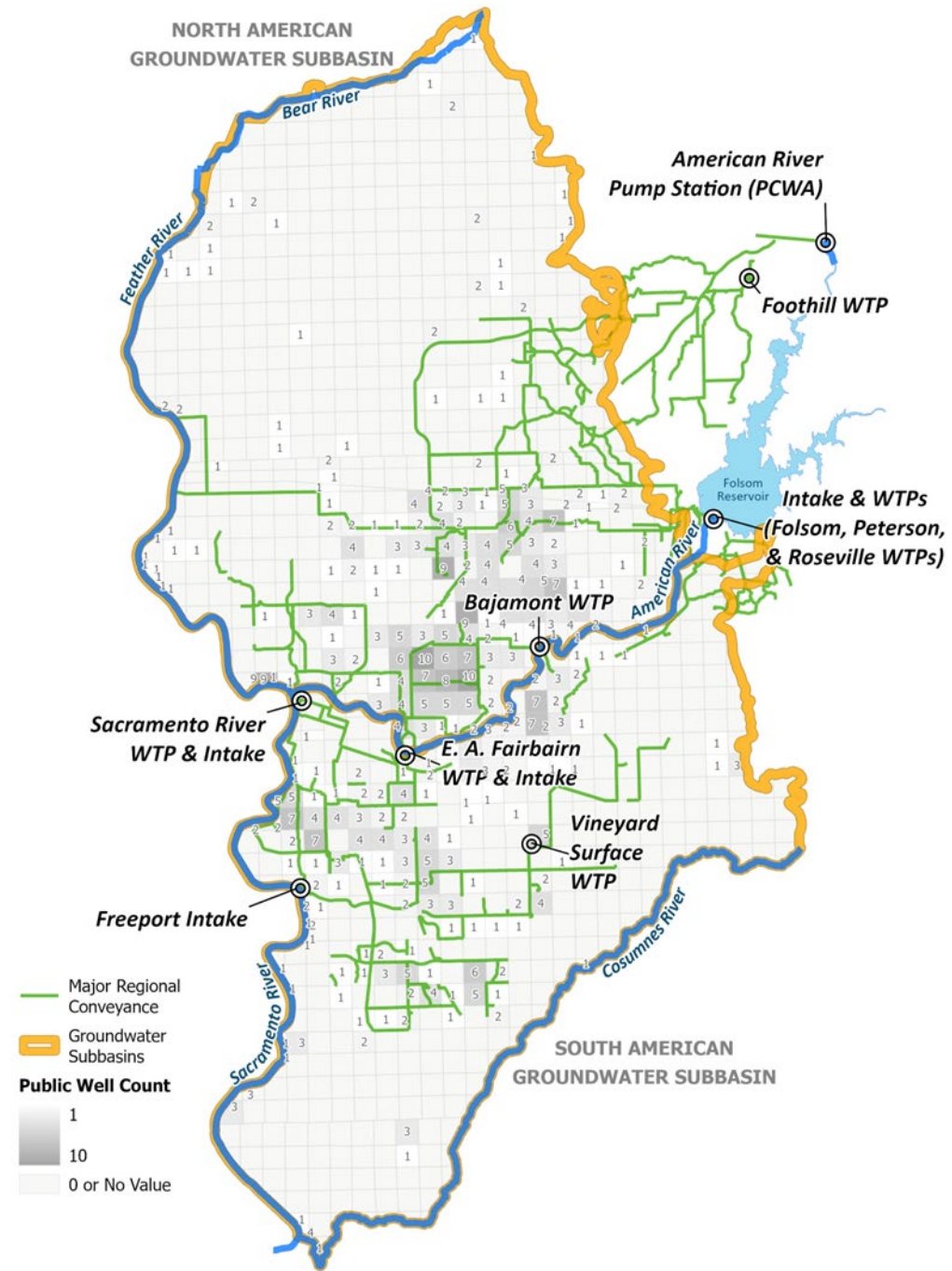


# Project Description—Elements

The Project includes the following elements:

- Coordinate and expand the conjunctive use practices of Participating Agencies and establish governance and other protocols to conduct a regional groundwater banking program.
- Annual recharge of up to 65,000 acre-feet during wet conditions, and annual recovery of up to 55,000 acre-feet during dry conditions.
- Establish a Water Accounting System to track groundwater recharge (deposits) and extraction (withdrawals) to ensure proper and transparent accounting of banked balances.

As separate future action under the NEPA, it is anticipated that RWA will seek approval of the Project as an acknowledged facility for the banking of CVP water by Reclamation.



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# Plan of Study & Estimate of Costs

**Table 1-1 Water Bank Tasks and Budget**

Proposed Task	Status	Proposed Budget		
		Total	Federal Component <sup>[A]</sup>	Non-Federal Component <sup>[B]</sup>
Task 1, Project Management and Coordination	In progress	\$150,000	\$40,000	\$110,000
Task 2, Plan Formulation	In progress	\$150,000	\$0	\$150,000
Task 3, Modeling Support	In progress	\$1,345,000	\$380,000	\$965,000
Task 4, Best Management Practices for Conjunctive Use Implementation	Anticipated to start late 2024	\$60,000	\$0	\$60,000
Task 5, Financial Analysis	Anticipated to start late 2024	\$50,000	\$0	\$50,000
Task 6, Institutional Arrangements	In progress	\$240,000	\$110,000	\$130,000
Task 7, Environmental Compliance	In progress	\$1,080,000	\$250,000	\$830,000
Task 8, Project Report	Anticipated to start 2025	\$100,000	\$90,000	\$10,000
Task 9, Stakeholder Outreach, and Involvement	In progress	\$305,000	\$0	\$305,000
<b>TOTAL</b>		<b>\$3,480,000</b>	<b>\$870,000</b>	<b>\$2,610,000</b>
			25.0% <sup>[C]</sup>	75.0% <sup>[C]</sup>

**Table 1-2 Water Bank Project Funding Sources**

Total Project Costs	Federal Component	Non-Federal Component			
		Phase 1	Phase 2	CDWR Grant	In-Kind
\$3,480,000	\$870,000	\$493,000	\$1,150,000	\$660,000	\$307,000
	25.0%	14.2%	33.1%	19.0%	8.8%

In-Kind funding likely supported by City of Sacramento Groundwater Well Replacement Program

# Budget Status Update

- Project Funding Status Update provides Program Committee with details as to the current and projected status of Water Bank project funding
  - Current & projected project costs (Attachment A)
  - Phase 1, 2, & DWR grant funds (Attachments B, C, & D)
  - Federal Funding (WIIN act) opportunity of \$870K
- Program Committee meeting guidance on
  - Budget shortfall projections—dependent on the successful approval of the federal funding request and the USBRs support for in-kind contribution

## Sacramento Regional Water Bank Development Project - Funding Status Update (February 19, 2024)

### Purpose of Document

This memorandum provides an update on the status of the Sacramento Regional Water Bank (i.e. Water Bank) development project budget AND provides additional details on a federal funding request to increase the project budget.

This memorandum is being provided to the Program Committee in part for informational purposes, but to convey details of the federal funding request that will be discussed at the upcoming February 21, 2024 Program Committee meeting. During this meeting, RWA staff will be asking for Program Committee support to bring the federal funding request to the RWA Board of Directors on March 14, 2024 for consideration and approval to submit to the United States Bureau of Reclamation (USBR). In addition during the February 21, 2024 Program Committee meeting, RWA staff will be asking for direction and guidance on projected budget shortfall projections. The projected budget shortfall amount is dependent on the successful approval of the federal funding request and the USBRs support for in-kind contribution.

RWA appreciates feedback on this subject in an effort to maintain adequate funding to continue project implementation. RWA provided updates on the status on Water Bank project funding at the May 4 and July 6, 2023, Program Committee meetings. In addition, RWA developed a prior Project Funding Status Update memorandum dated July 14, 2023 that provided the Program Committee with details as to the current and projected status of the multiple sources of Water Bank project funding.

The Appendices of this document includes:

- 1) A summary of current and projected project costs and how existing and potential sources of funding are approximated to meet costs over time (Attachment A). RWA must continue to maintain adequate cash flow in advance of project work.
- 2) An overview of existing Phase 1, 2, and DWR grant funds and opportunities for planned Federal funding (Attachments B, C, & D).

### Background

RWA is working on behalf of 22 water agencies in the greater Sacramento region to develop the Water Bank, a conjunctive use water management project that will provide water supply reliability and other related benefits for the region and State of California. Referred to as the Water Bank Program Committee, these agencies are contributing financially to the development of the Water Bank through Phase 1 and 2 agreements. RWA has also obtained Water Bank project funding through a 2022 DWR Drought Grant and intends to seek approval from the RWA Board of Directors to submit an application to the USBR for federal funding.

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# Project status at a glance

## Institutional Components:

<input checked="" type="checkbox"/> Goals, Objectives, Principles, and Constraints	
<input checked="" type="checkbox"/> Roles/Responsibilities and Org Structure	
<input type="checkbox"/> Water Accounting System (WAS)— Concepts	Q1/Q2 2024
<input type="checkbox"/> Water Accounting System (WAS)— Tool Development	2025
<input type="checkbox"/> Contractual, Financial, and Legal	Q4 2024 +

## Project Description/Scoping:

<input checked="" type="checkbox"/> Proposed Project Preview	
<input checked="" type="checkbox"/> Water Bank Project Benefits and Outcomes	
<input type="checkbox"/> Project Description	ongoing

## Communication & Engagement:

<input type="checkbox"/> Stakeholder Forums	TBD
<input type="checkbox"/> Water Bank website and content	ongoing

## CEQA/NEPA:

<input type="checkbox"/> Compliance Process	ongoing
<input checked="" type="checkbox"/> NOP	
<input checked="" type="checkbox"/> Scoping	
<input type="checkbox"/> Document Preparation	ongoing
<input type="checkbox"/> Noticing/Consultation and Coordination	Q2 2024 +
<input type="checkbox"/> Other Requirements	Q1 2024 +

## Modeling & USBR Guidelines:

<input type="checkbox"/> CoSANA/CalSim Modeling	Q2-Q3 2024
<input type="checkbox"/> Streamflow Accretions/Depletions	Q3-Q4 2024
<input type="checkbox"/> Federal Acknowledgement Process	2024/25

## Administrative:

<input type="checkbox"/> Project Management and Budget Planning	ongoing
<input type="checkbox"/> Grants and Funding	ongoing
<input type="checkbox"/> Contractor Support and Procurement	ongoing