

The SARCCUP logo is a green shield-shaped emblem. At the top, the word "SARCCUP" is written in white, bold, sans-serif capital letters. Below the text are three white wavy lines representing water, and a white silhouette of a dam or bridge structure. The entire logo is set against a green background that tapers to a point at the bottom.

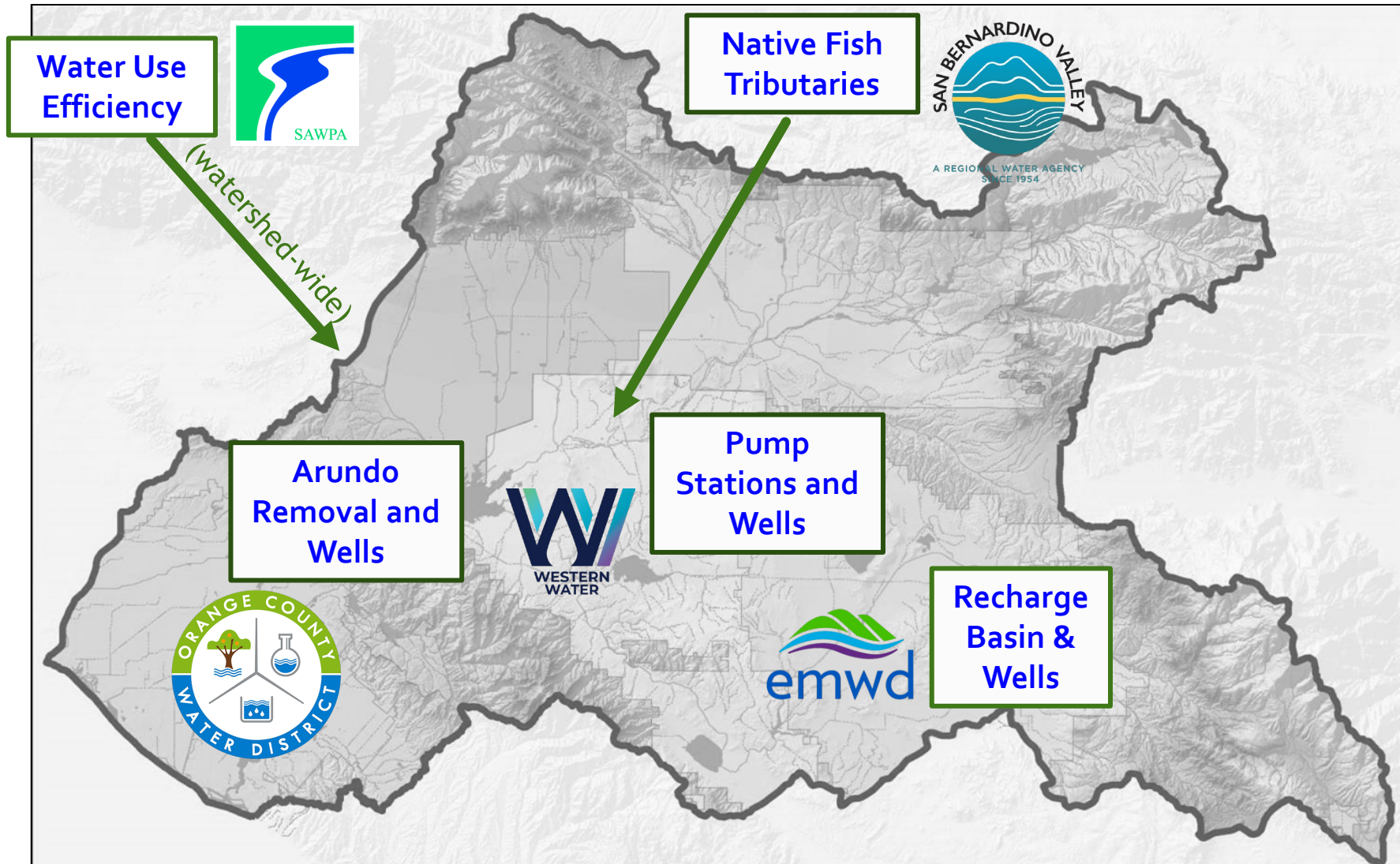
SARCCUP

SARCCUP Project Updates & DWR Grant Amendment Approval

SAWPA Member Agencies & SAWPA
PA 23 Committee | August 1, 2023
Item No. 5.A



SARCCUP Project Update Locations



Amendment Changes

- ▶ Scope for WMWD/SBVMWD
- ▶ Minor budget changes associated with WMWD/SBVMWD
 - ▶ Both WMWD and SBVMWD moved a combined \$817,000 from Land Purchase to Construction. Land purchase costs and easement fees were less than initially anticipated.
- ▶ No changes to schedule or benefits

Budget Changes (Before & After Amendment)

		Grant	Match (Non-State Costs)	Total Cost
BEFORE	Budget Category			
	(a) Project Administration	\$1,288,266	\$1,969,899	\$3,258,165
	(b) Land Purchase	\$1,355,600	\$3,211,633	\$4,567,233
	(c) Planning/Design	\$4,403,854	\$9,594,606	\$13,998,460
	(d) Construction	\$47,952,280	\$79,421,167	\$127,373,447
	Totals	\$55,000,000	\$94,197,305	\$149,197,305

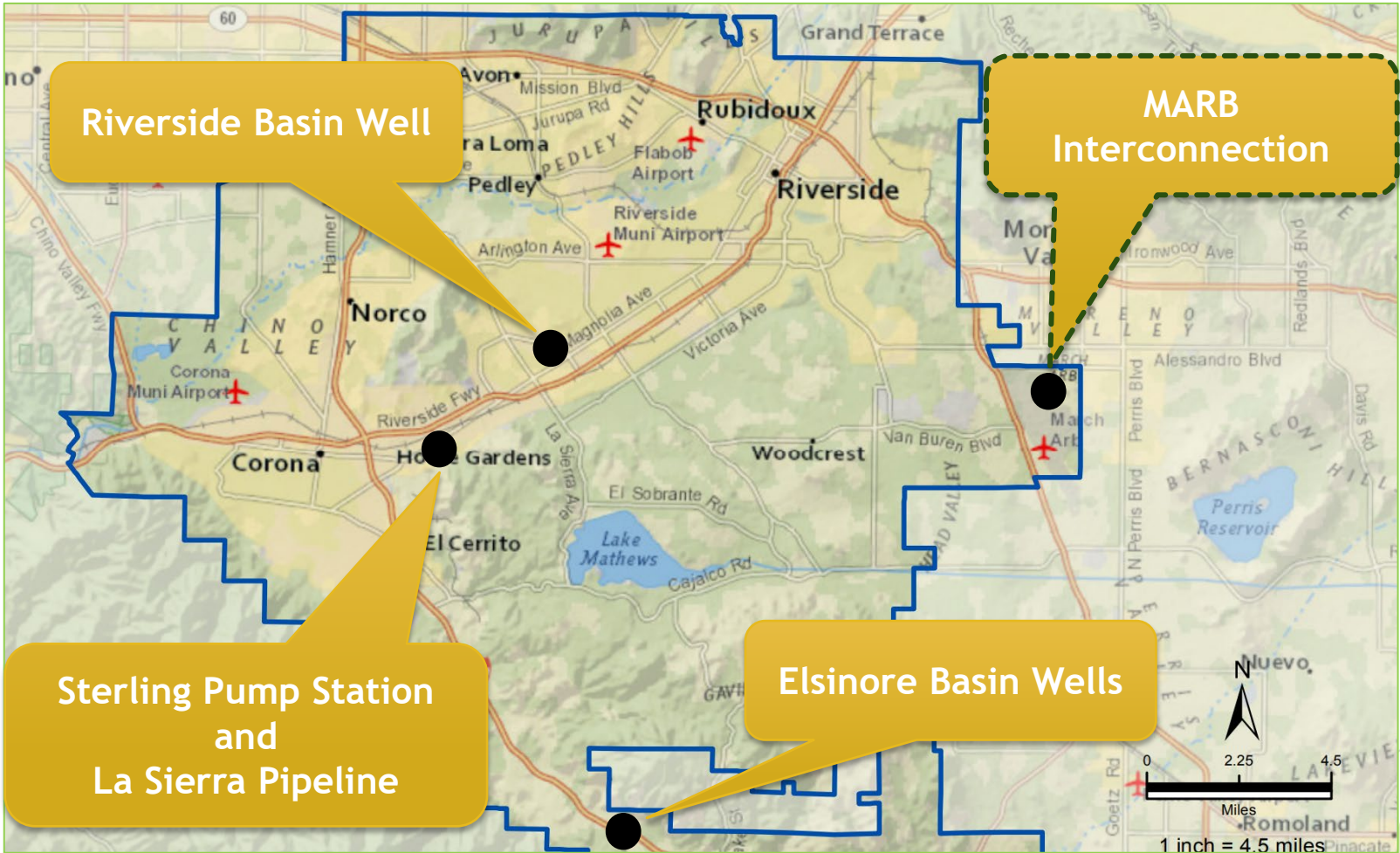
		Grant	Match (Non-State Costs)	Total Cost
AFTER	Budget Category			
	(a) Project Administration	\$1,288,266	\$1,969,899	\$3,258,165
	(b) Land Purchase	\$538,788	\$3,211,633	\$3,750,421
	(c) Planning/Design	\$4,403,854	\$9,594,606	\$13,998,460
	(d) Construction	\$48,769,092	\$79,421,167	\$128,190,259
	Totals	\$55,000,000	\$94,197,305	\$149,197,305

WMWD Updates



Sterling Pump Station, Riverside-Arlington Basin Facilities, Elsinore Basin Wells, and Interconnections

SARCCUP WMWD Facilities



Sterling Pump Station and La Sierra Pipeline

- ▶ Completed in 2022
- ▶ ~\$40 million
- ▶ Benefits:
 - ▶ Connection between Chino Desalter II to Arlington Desalter System to Mills Gravity Line
 - ▶ Allows movement of extracted SARCCUP supplies to move to JCSD, Norco, Corona, Western retail, Temescal Valley, and Elsinore Valley



Interconnections

- Magnolia Intertie design and construction award complete
- Construction Kickoff - July 2023
- Connection between Riverside Public Utilities and Western
(Cannon and MARB Interconnections - see next slide)
- Allows movement of extracted SARCCUP supplies from various groundwater basins



Riverside Basin Well

- Well drilling and casing installation complete
- Pumping development, testing and sampling underway
- Allows movement of extracted SARCCUP supplies from San Bernardino Basin Area, Riverside, and Riverside-Arlington groundwater basins



Elsinore Basin Wells

- New extraction wells with PFAS treatment
- Projects under construction
- Allows movement of extracted SARCCUP supplies from Elsinore groundwater basins



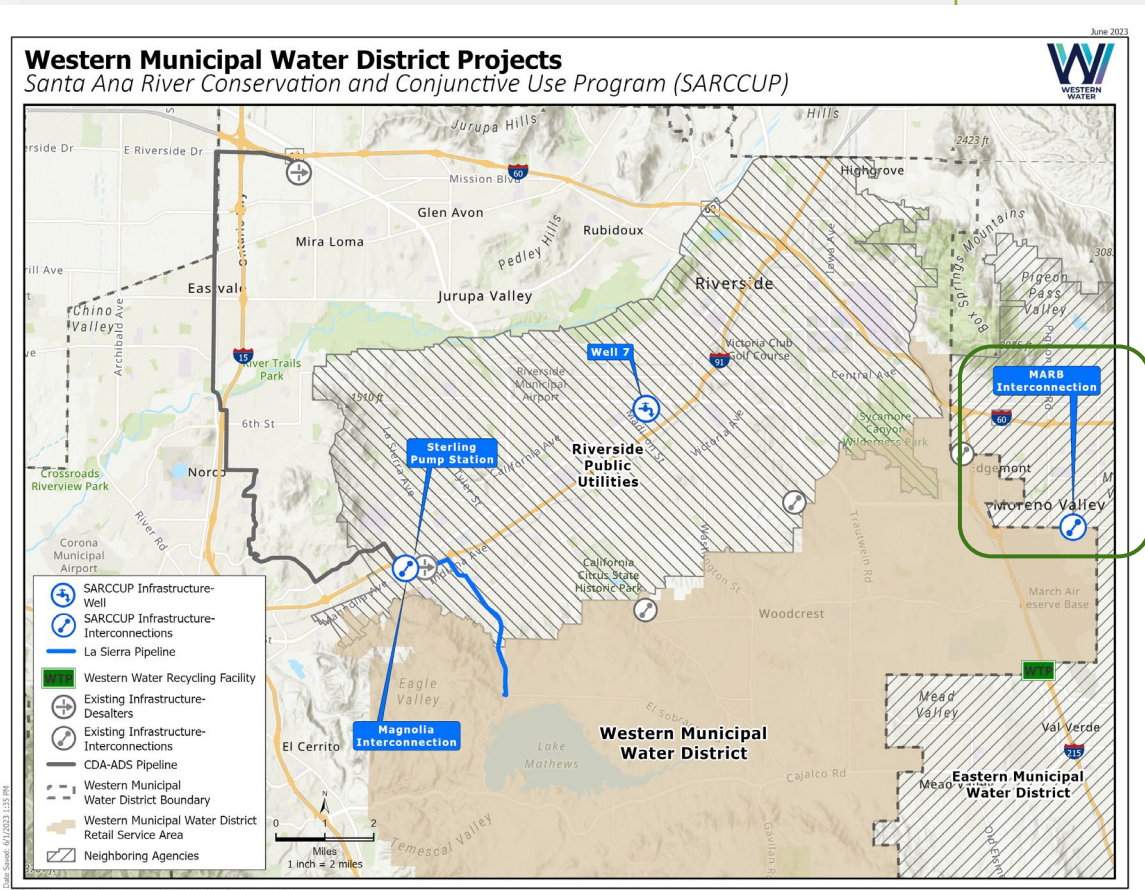
March Air Reserve Basin (MARB) Interconnection

Amendment change

- Cannon Interconnection:
 - Received bids ~30% over the Engineer's Estimate
 - Conducted extensive cost benefit analysis
 - No longer provide the expected cost effectiveness

□ MARB Interconnection:

- Participating groundwater basins remain the same
- Conjunctive use benefits unchanged
- Utilizes Western's Cannon Interconnection construction costs towards the MARB Interconnection with a partnering SARCCUP agency
- Project is under construction and has an expedited construction completion of late 2023
- Positive DWR feedback



SBVMWD Updates



Santa Ana Sucker Habitat

Benefits:

- 2.8 miles of stream habitat (red)
- 60 acres riparian habitat surrounding the streams (green)



Recent Accomplishments:

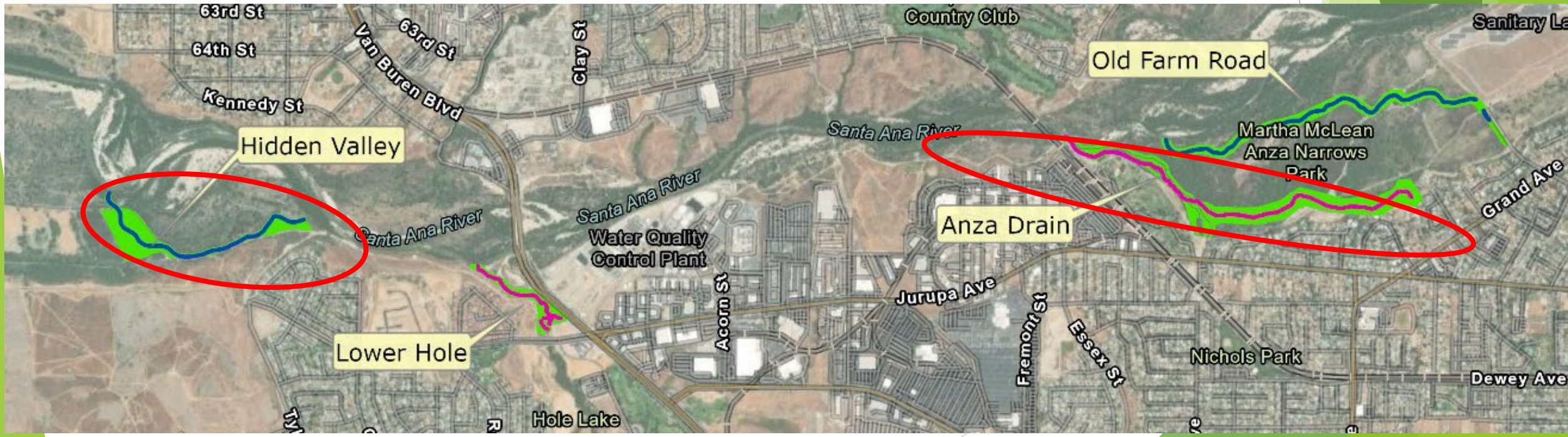
- Funded County Rangers and Operator
 - “Drill and kill” training provided Spring 2023
 - Nonnative plant management and encampment cleanup
 - Anticipated start: Spring/Summer 2023

Permitting/Permissions Pending:

- Encroachment Permit - Riverside County Flood Control District
- Right of Entry (ROE) - California Department of Fish & Wildlife
- ROE - County of Riverside
- ROE - City of Riverside
- Grading permits
 - Earthwork anticipated in Fall 2023 (after bird nesting season)

Amendment Scope Change

- ▶ Construction/Design Task: Planning and construction will be done related to water diversion, excavation, and rock habitat placement at Hidden Valley Creek and Anza Drain.
- ▶ Recent permits acquired allow for this additional work.
- ▶ No decrease in benefits.



OCWD Updates



Orange County Arundo Removal and Groundwater Wells

Arundo Removal Project is Complete

Area	Arundo Removed (acres)
Prado Burn Fire	400
Army Corps of Engineers Former Areas	6
Mill Creek Prado	1
Santa Ana River (SAR) - Upstream River Road	78
SAR - Downstream River Road	137
Prado Airport Fire	2
SAR - Downtown Riverside	18
SAR - Dump to Van Buren	11
Mann Fire	32
Total	685
Grant Requirement	640
Additional Removal	+45

Other Sites Removal: 285 acres

Prado Burn Fire Area Removal: 400 acres

San Bernardino
Riverside

Half
Moon
Park

Prado
Basin Park

Naval
Surface Warfan
Ctr Corona

Lake
Norconian

Riversi
Community C
Norco Ca

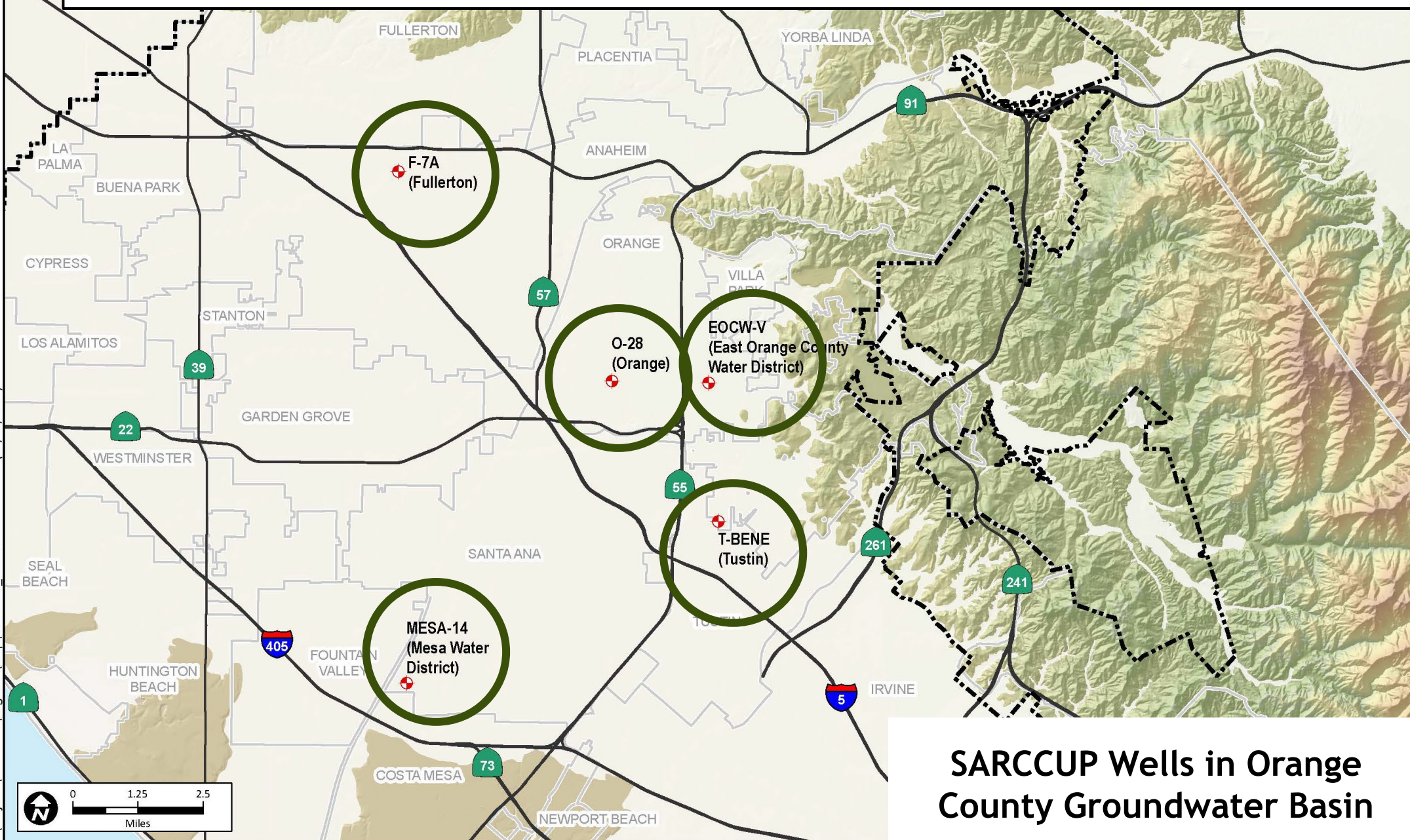
Crossroads
Riverview Park

Santa Ana River

Prado Basin

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Five new production wells were constructed for SARCCUP.



SARCCUP Wells in Orange County Groundwater Basin

Construction and Equipping - OC Wells

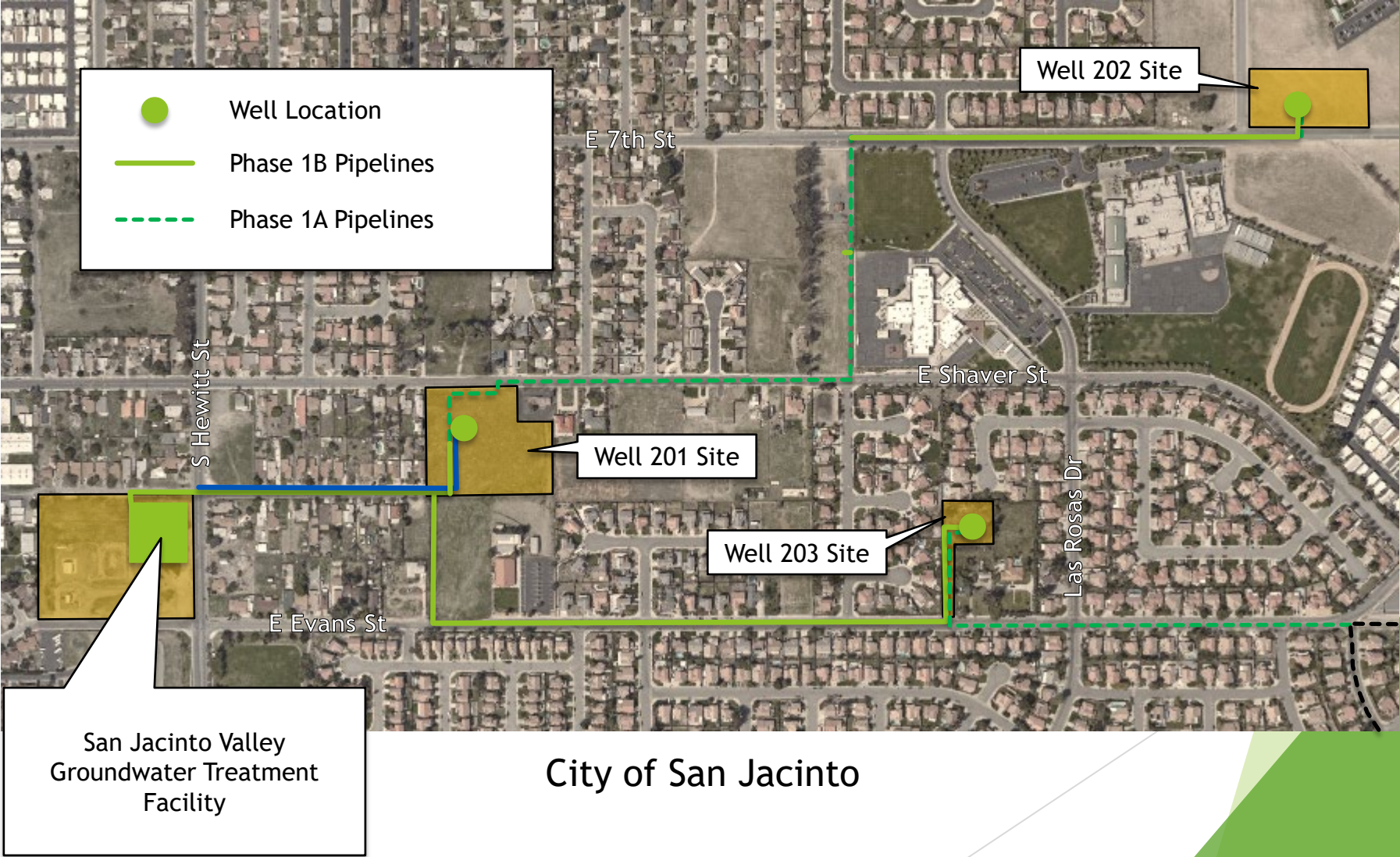
Agency	Well Name	Date Well Completed	Projected Equipping Complete
City of Fullerton	Well 7A	February 2021	March 2025
City of Orange	Well 28	March 2022	March 2025
City of Tustin	Beneta Well (R)	September 2022	March 2024
East Orange County Water District	Vanderwerff Well	December 2021	September 2023
Mesa Water District	Well 14	March 2021	March 2023

EMWD Updates



San Jacinto Groundwater Basin Facilities

Wells 201, 202, and 203 Overview



Wells 201, 202 & 203 Equipping



Well 202 Building, July
2023

Upcoming Construction Activities

- Well 201
 - Final site improvements
 - Startup and Commissioning
- Well 202
 - Final site improvements
 - Startup and Commissioning
- Well 203
 - Various Electrical and Control System Installations
 - Pump Installation and Preparation
- Estimated construction completion in late 2023

Wells 201, 202 & 203 Equipping



Well 201 Building and Blow Off Pond, July
2023

Wells 201, 202 & 203 Equipping



Well 203 Building, July 2023

San Jacinto Valley GWTF, Phase 1 - Project Schedule

- ▶ Target Construction Advertisement - Nov 2023
- ▶ Bid Opening - Jan 2024
- ▶ Recommendation for Award of Contract
 - ▶ February 2024 O&E Committee
 - ▶ March 2024 Board
- ▶ Approximately two-year Construction Phase
 - ▶ Complete in Spring 2026



San Jacinto Valley Groundwater Treatment
Facility Rendering, July 2023

SAWPA Updates



Water Use Efficiency Budget Assistance Task

Purpose of Task

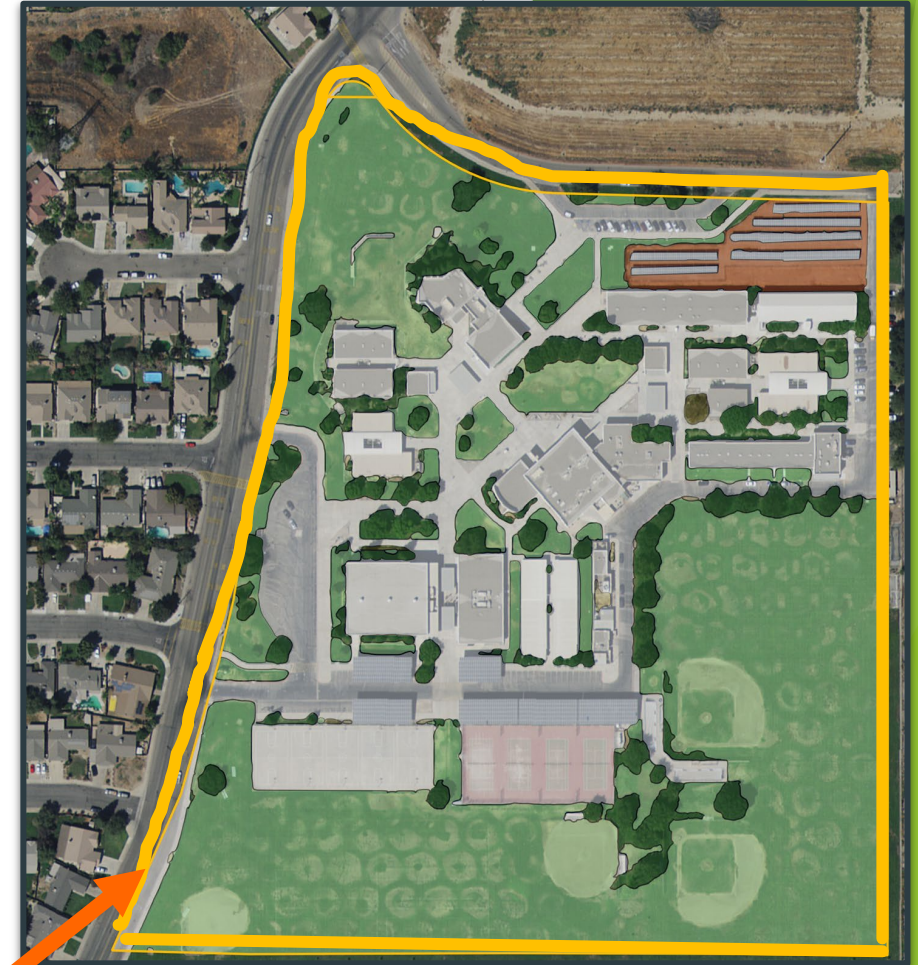
High-level Scope of work from grant agreement:

- ▶ SAWPA will work with **up to ten retail water agencies** in the watershed to create efficiency-based water budgets.
- ▶ Efficiency budgets will provide **1,200 acre-feet** over a three-year period (i.e. 400 AFY).

How task is implemented:

- ▶ SAWPA and consultant, NV5, are working with eight upper watershed retail water agencies.
- ▶ Municipal Water District of Orange County is working with 7+ retail water agencies in northern OC.

Dedicated Landscape Meter Customer Example



Meter service area
(MSA)

Recommendation

Authorize the General Manager to submit and execute an Amendment with the Department of Water Resources to the SARCCUP Proposition 84 Grant Agreement reflecting the updates to the budget and scope of work.



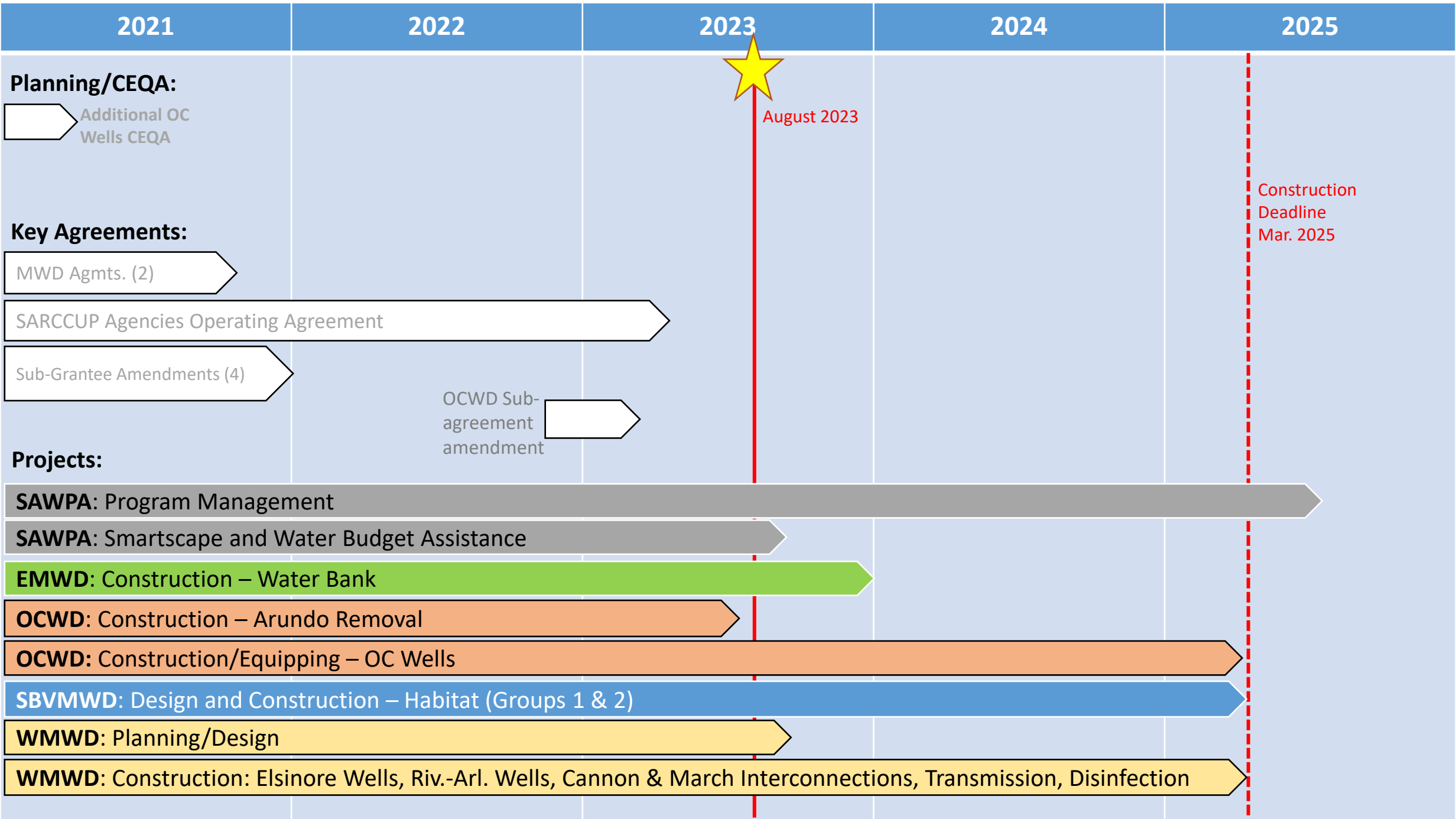
SARCCUP Schedule Status Information

Ian Achimore, Senior Watershed Manager

PA 23 Committee | August 1, 2023

Item No. 6.A





2021

2022

2023

2024

2025

Planning/CEQA:

Additional OC Wells CEQA

Key Agreements:

MWD Agmts. (2)

SARCCUP Agencies Operating Agreement

Sub-Grantee Amendments (4)

OCWD Sub-agreement amendment

Projects:

SAWPA: Program Management

SAWPA: Smartscape and Water Budget Assistance

EMWD: Construction – Water Bank

OCWD: Construction – Arundo Removal

OCWD: Construction/Equipping – OC Wells

SBVMWD: Design and Construction – Habitat (Groups 1 & 2)

WMWD: Planning/Design

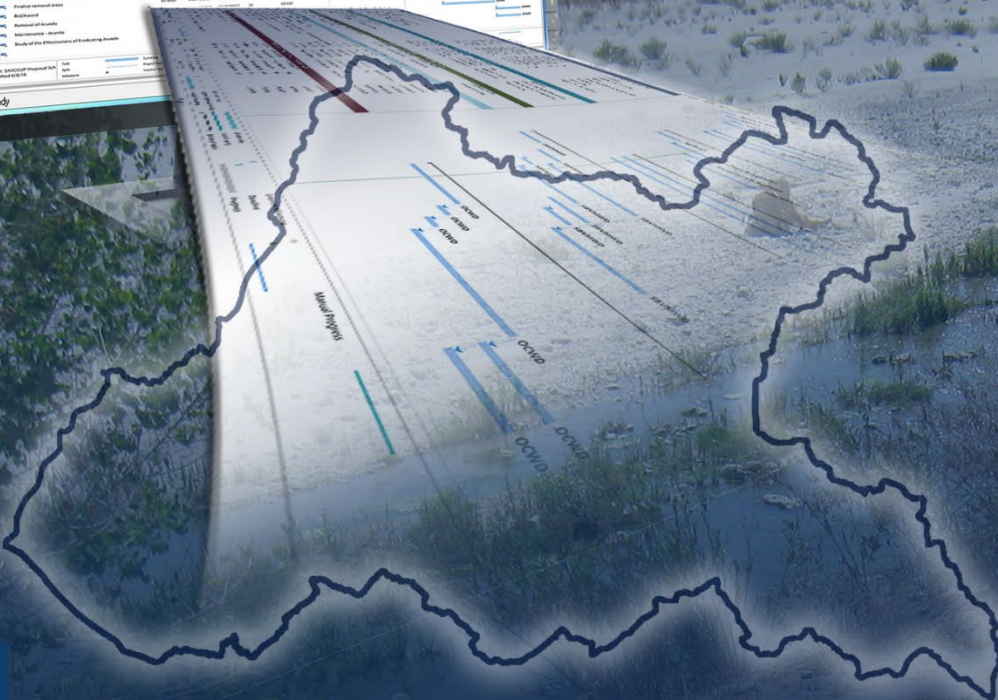
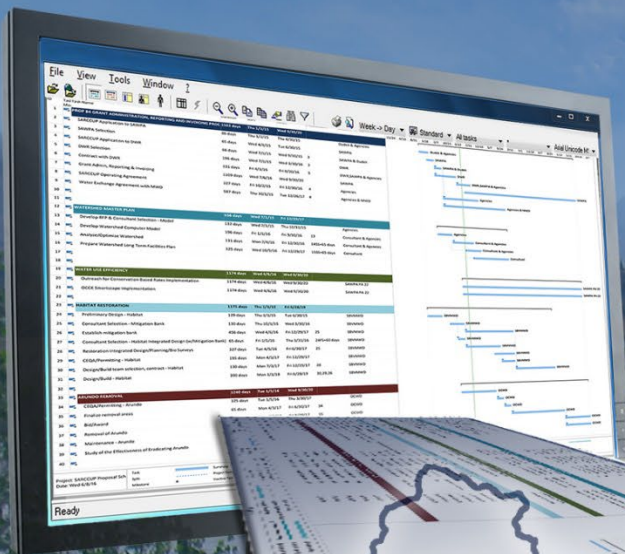
WMWD: Construction: Elsinore Wells, Riv.-Arl. Wells, Cannon & March Interconnections, Transmission, Disinfection

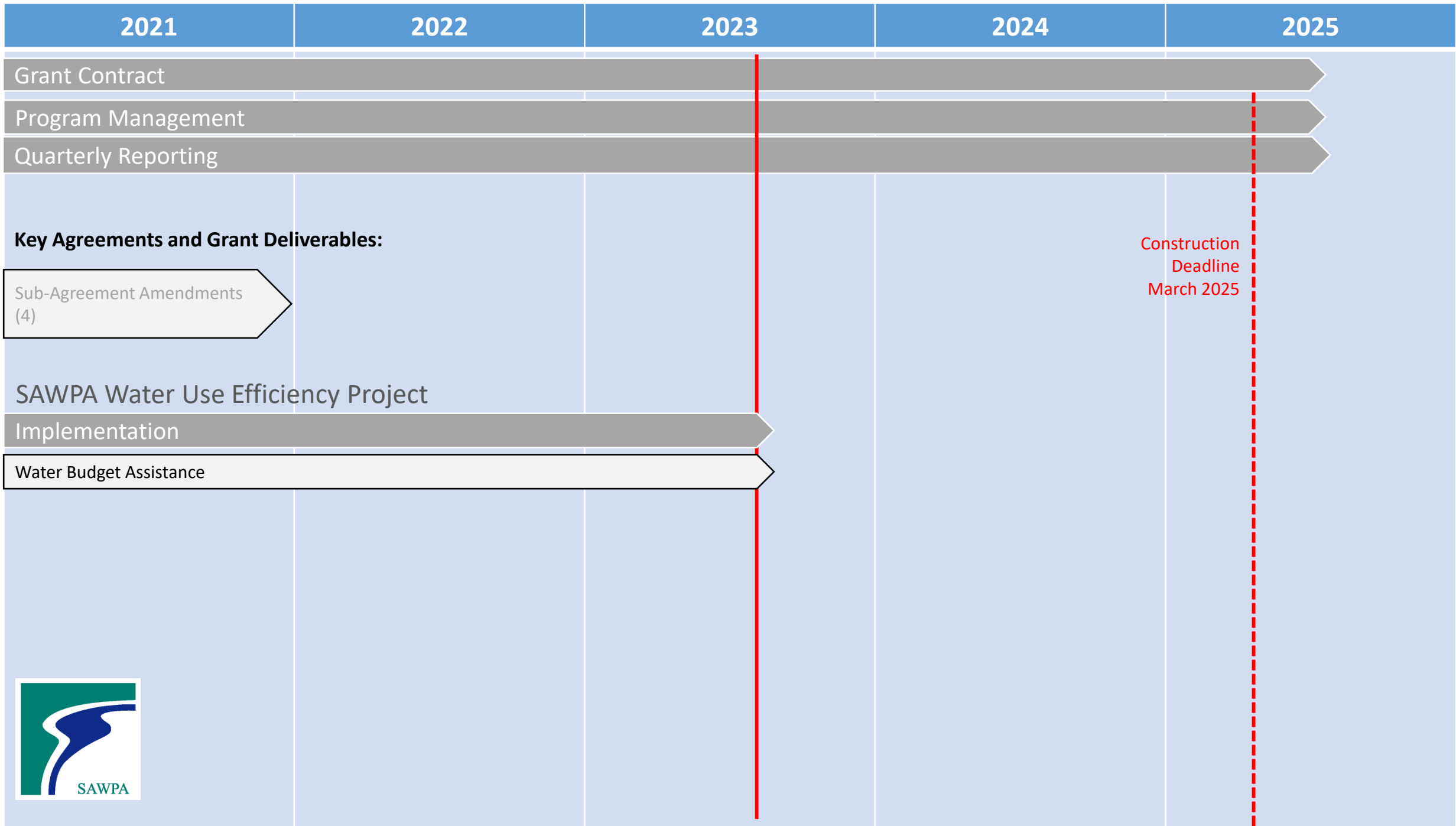


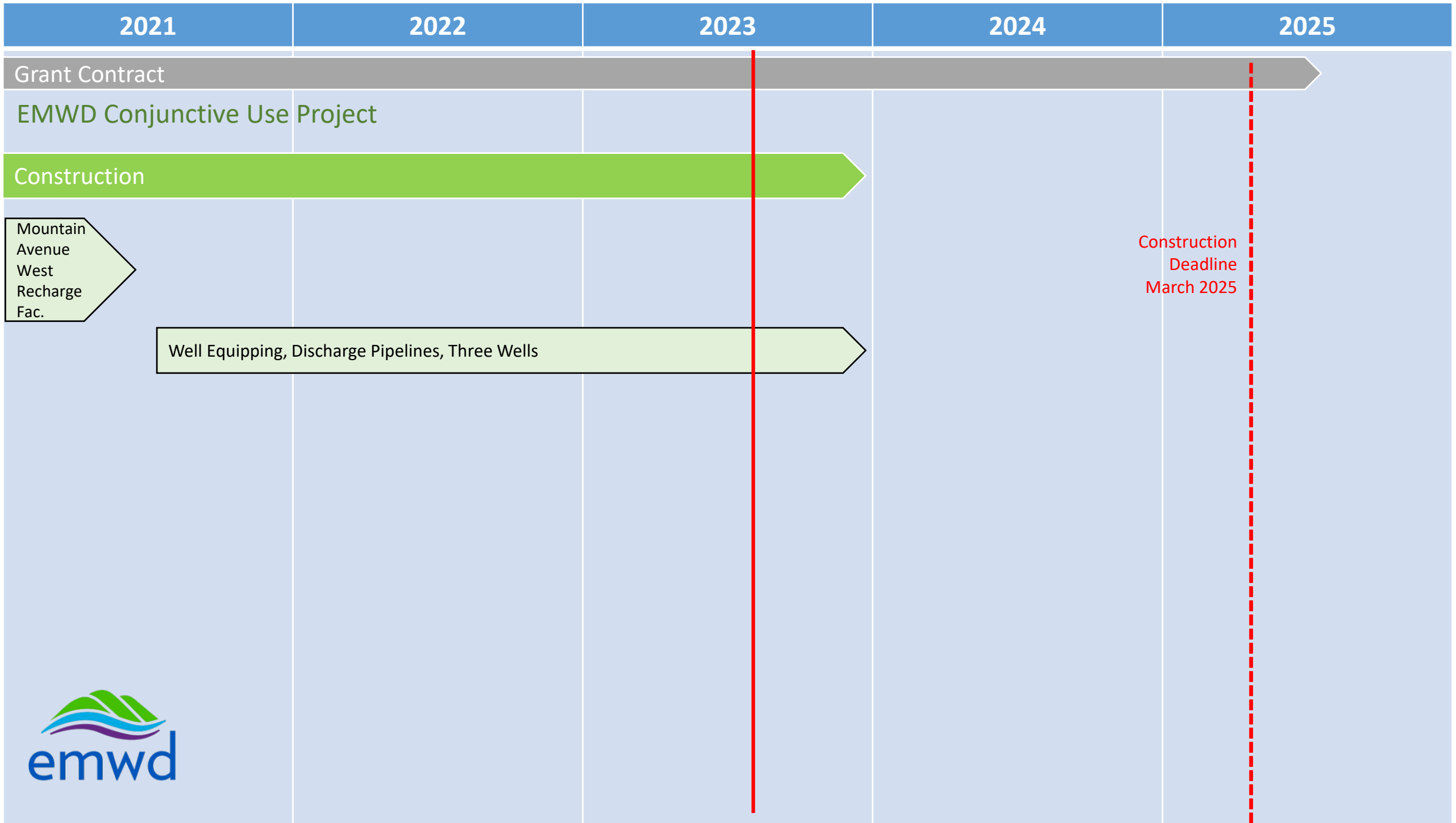
August 2023

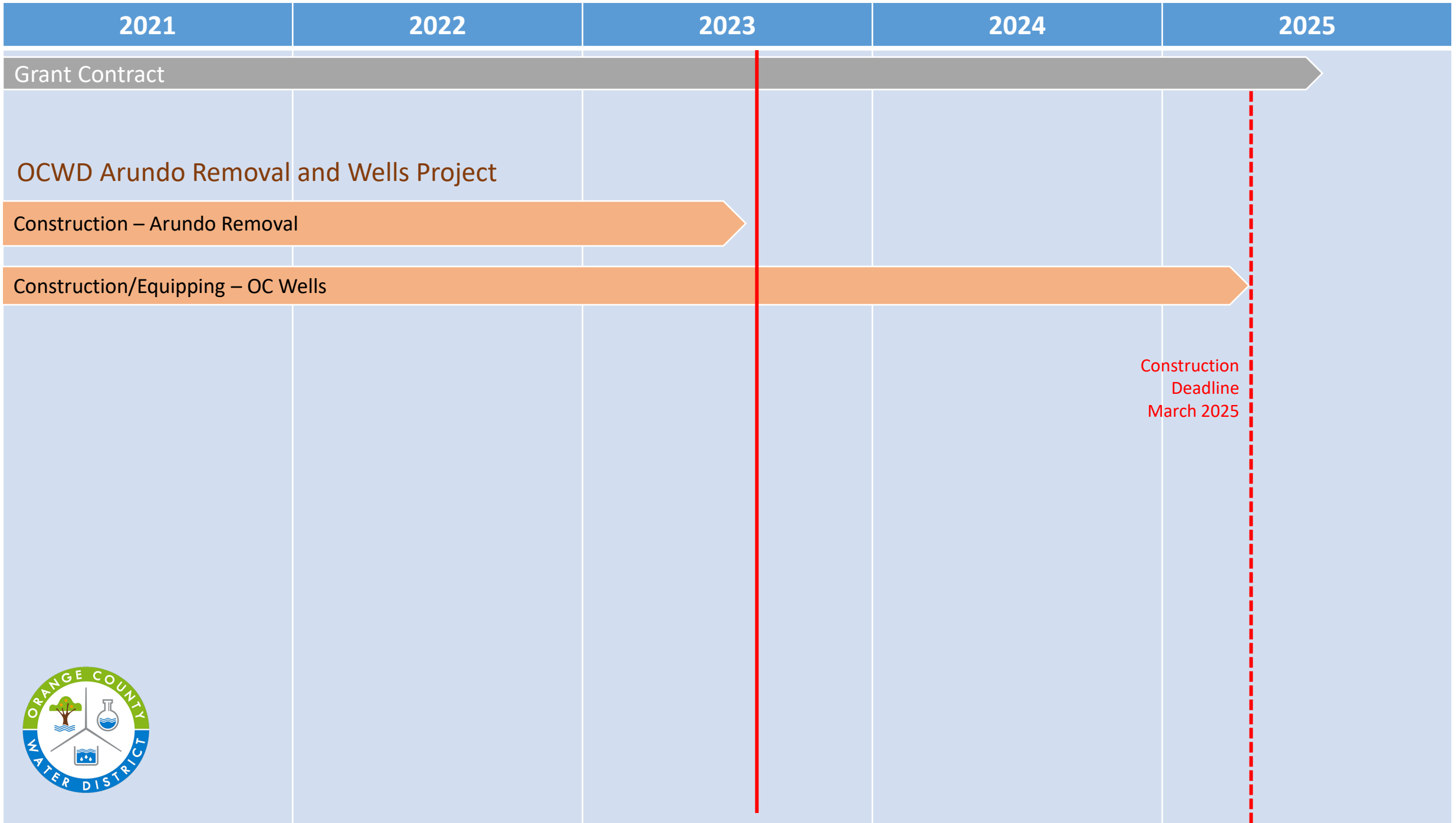
Construction Deadline
Mar. 2025

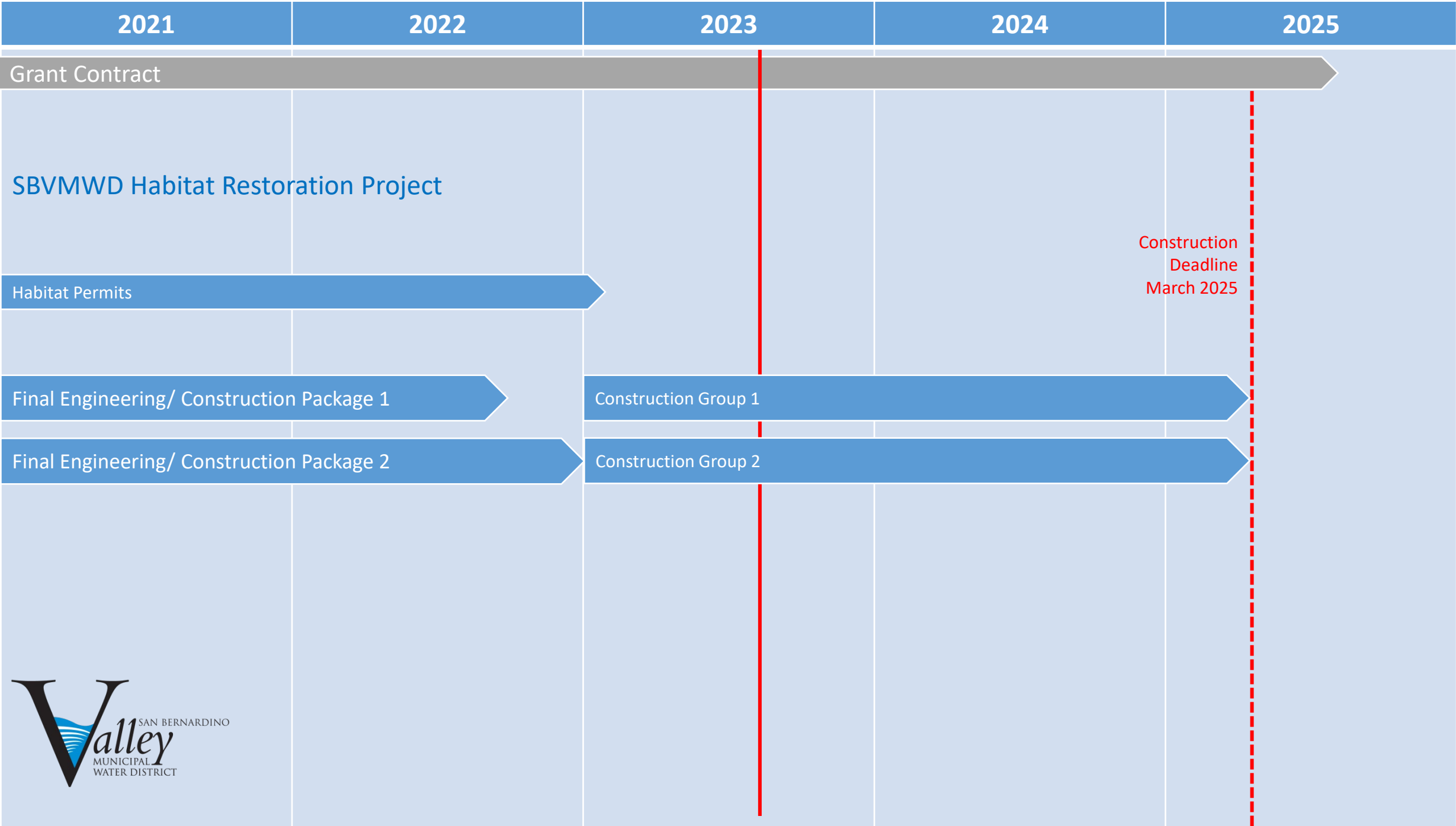
2021-2025 Agency Slides

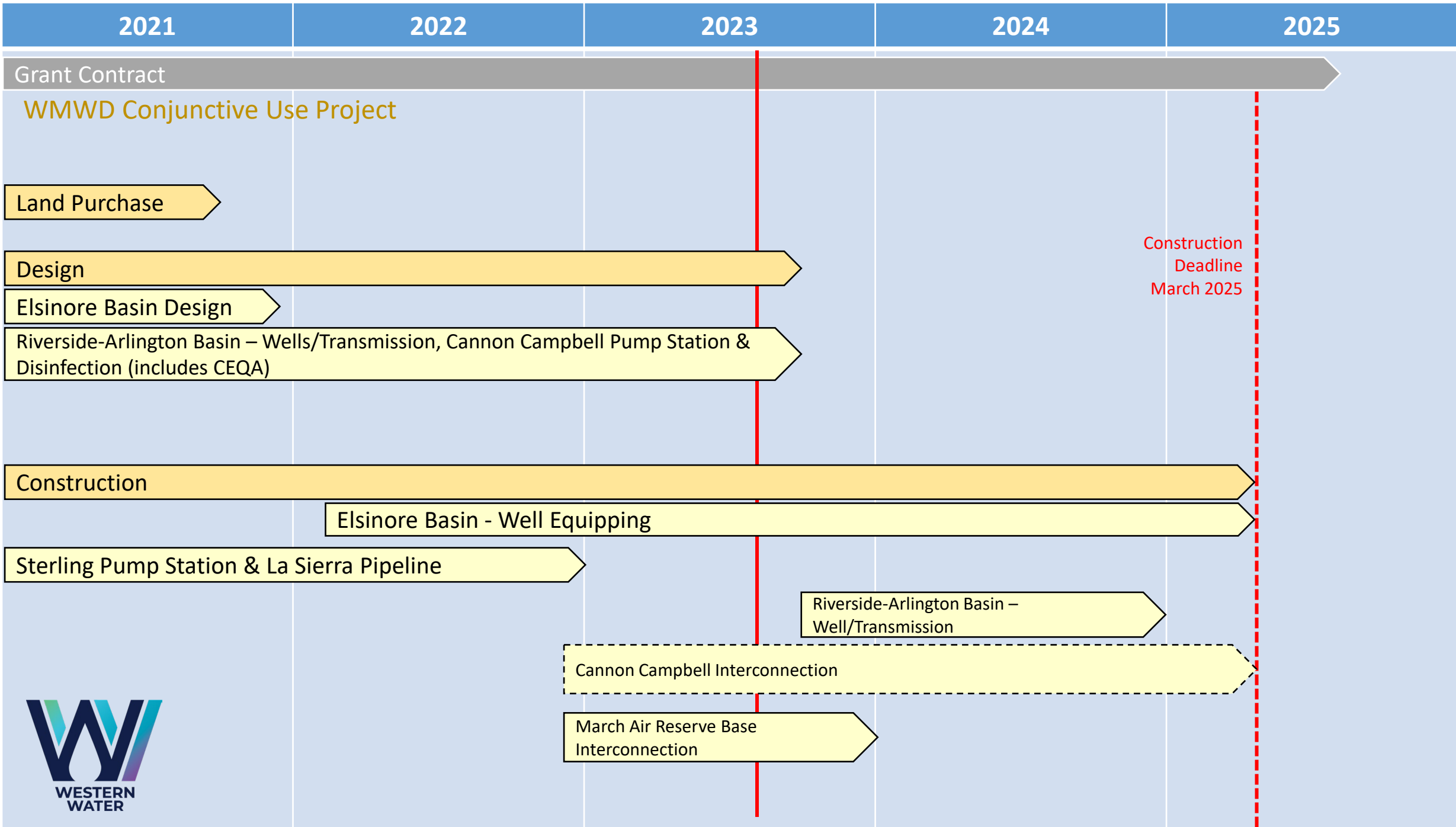














SARCCUP Grant Payment Updates

Ian Achimore, Senior Watershed
Manager

PA 23 Committee | August 1, 2023

Item No. 6.B



Background on Grant Agreement

- ▶ Department of Water Resources adopted grant agreement amendment No. 2 with SAWPA on May 29, 2020.
 - ▶ PA 23 Committee adopted grant amounts (as shown on next slides) at the April and October 2019 Committee meetings, which were incorporated into that amendment with DWR.
- ▶ Dollar amounts shown in this presentation reflect invoices submitted through **March 31, 2023** (i.e. the latest invoices received at time of publishing this agenda packet).

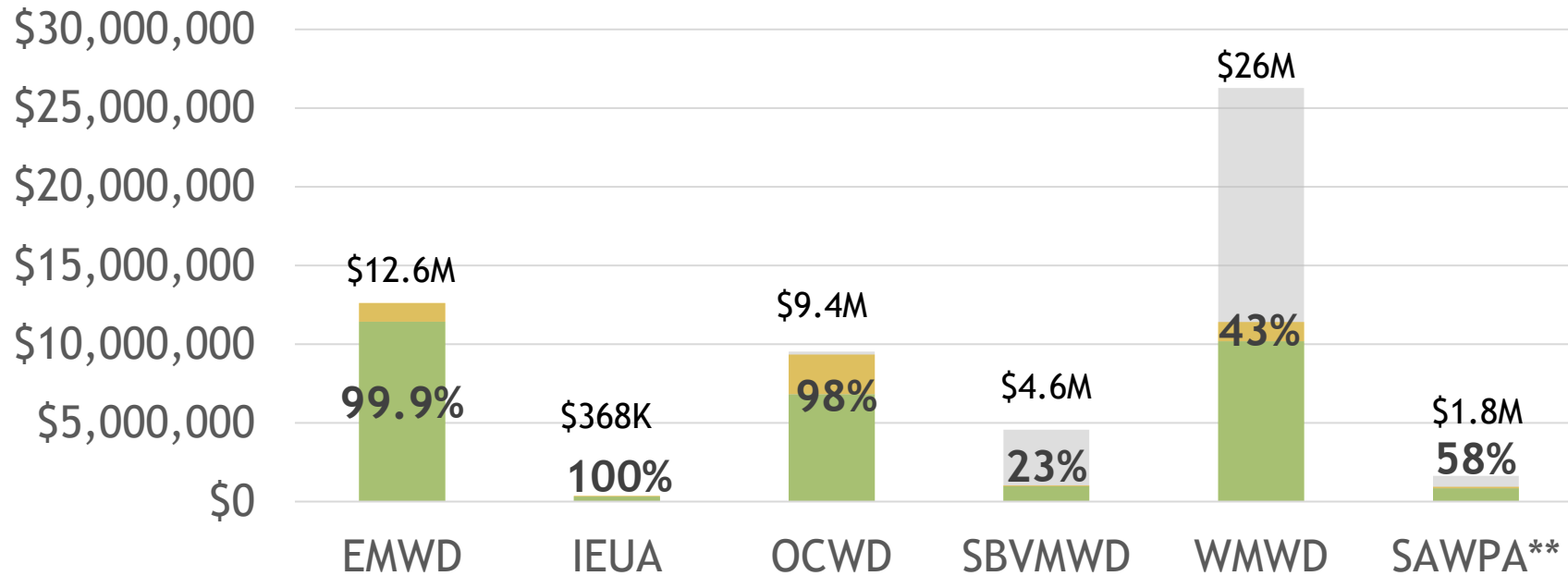
Invoicing Status as of March 2023

DWR Invoices Submitted	Time Period Covered by Invoices	Schedule % Completed*	Grant % Invoiced**
25	Jan 2017 through March 2023	74% as of March 2023	65% (\$35M) as of March 2023

*SARCCUP schedule lasts from January 2017 to June 2025.

**Total SARCCUP grant for all five SAWPA member agencies is \$55M.

Grant Payment Status By SARCCUP Agency (Percent of Total Grant Shown)



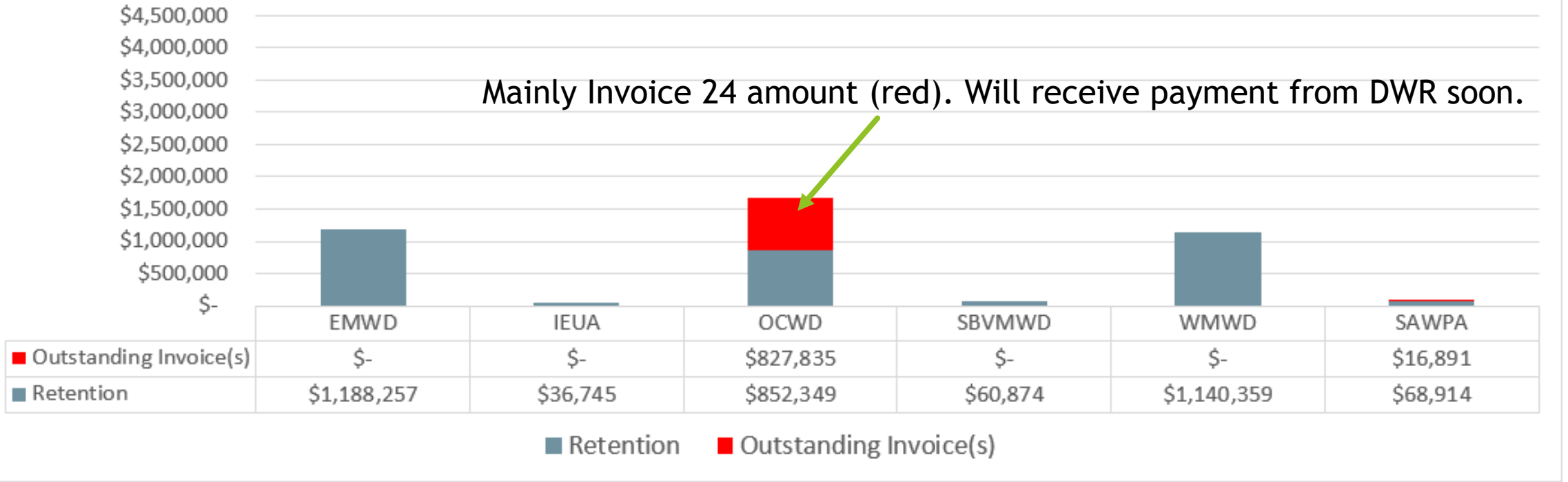
Notes:

*Payment outstanding due to 10% retention withheld on each grant amount included in invoice, or lag in payment from last quarter's invoice.

**Includes funding for Woodard & Curran and Water Use Efficiency Tasks.

	EMWD	IEUA	OCWD	SBVMWD	WMWD	SAWPA**
Grant Paid	\$11,426,818	\$330,706	\$7,671,141	\$975,078	\$10,270,937	\$858,317
Total Outstanding Grant Payments*	\$1,188,257	\$36,745	\$1,680,184	\$60,874	\$1,140,359	\$85,805
Total Grant (Amendment No. 2)	\$12,621,835	\$367,968	\$9,529,817	\$4,565,932	\$26,283,723	\$1,630,726

More Detail on Outstanding Grant Payments (Through March 2023)



Notes:

- Retention will be withheld by DWR until complete invoicing of overall SARCCUP Project.
- Last paid invoice (Invoice 23) from DWR was for reimbursing expenses incurred by SARCCUP agencies through September 30, 2022 (invoice submitted to DWR 12/30/22).