



S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY
11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

Meeting Access Via Computer (Zoom):	Meeting Access Via Telephone:
• https://sawpa.zoom.us/j/87954585232	• 1 (669) 900-6833
• Meeting ID: 879 5458 5232	• Meeting ID: 879 5458 5232

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually using one of the options set forth above. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom link above. However, in the event there is a disruption of service which prevents the Authority from broadcasting the meeting to members of the public, the meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in-person.

REGULAR MEETING OF THE PROJECT AGREEMENT 23 COMMITTEE

Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

TUESDAY, APRIL 1, 2025 – 8:30 A.M.

Committee Members

Eastern Municipal Water District	Inland Empire Utilities Agency
Director Philip E. Paule	Director Jasmin A. Hall, Vice Chair
Director David J. Slawson (Alt)	Shivaji Deshmukh, General Manager (Alt)
Orange County Water District	San Bernardino Valley Municipal Water District
John Kennedy, General Manager	Director Susan Lien Longville
Western Municipal Water District	
Director Mike Gardner, Chair	
Director Brenda Dennstedt (Alt)	

AGENDA

- 1. CALL TO ORDER | PLEDGE OF ALLEGIANCE (Mike Gardner, Chair)**
- 2. ROLL CALL**
- 3. PUBLIC COMMENTS**

Members of the public may address the Committee on items within the jurisdiction of the Committee; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).

Members of the public may make comments in-person or electronically for the Committee's consideration by sending them to publiccomment@sawpa.gov with the subject line "Public Comment". Submit your electronic comments by 5:00 p.m. on Monday, March 31, 2025. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record. Individuals have a limit of three (3) minutes to make comments and will have the opportunity when called upon by the Committee.

4. ITEMS TO BE ADDED OR DELETED

Pursuant to Government Code §54954.2(b), items may be added on which there is a need to take immediate action and the need for action came to the attention of the Santa Ana Watershed Project Authority subsequent to the posting of the agenda.

5. CONSENT CALENDAR

All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Committee by one motion as listed below.

- A. APPROVAL OF MEETING MINUTES: AUGUST 1, 20235**
Recommendation: Approve as posted.

6. COMMITTEE DISCUSSION/ACTION ITEMS

- A. PROJECT AGREEMENT 23 COMMITTEE BUDGET FOR FISCAL YEAR ENDING 2026...9**
Presenter: Karen Williams, SAWPA
Recommendation: To adopt the FYE 2026 PA 23 Committee Budget.
- B. ADOPTION OF AMENDMENT NO. 6 TO SBVMWD SARCCUP COMPONENT21**
Presenter: Rachel Gray, SAWPA | Joanna Gibson, SBVMWD
Recommendation: That the PA 23 Committee authorize the following:
1. Time extension for construction (mid-January 2026).
2. Amend the Grant Agreement language for two of the SARCCUP Santa Ana Sucker Fish Streams (Hidden Valley and Anza Creek): “Construction at the two creeks will be underway, with construction completed after the grant agreement schedule end date.”
3. Add the Santa Ana River Enhanced Recharge Phase 1B Project to the Prop 84 SARCCUP Grant. This Project can be added in entirety, or only partially.
- C. SANTA ANA RIVER CONSERVATION AND CONJUNCTIVE USE PROGRAM UPDATE ..33**
Presenter: Rachel Gray, SAWPA and Member Agency Staff
Recommendation: Receive and file.

7. INFORMATIONAL REPORTS

Recommendation: Receive for information.

- A. GENERAL MANAGER REPORT**
Presenter: Jeff Mosher
- B. COMMITTEE MEMBERS COMMENTS**
- C. CHAIR’S COMMENTS/REPORT**

8. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

9. CLOSED SESSION

There were no Closed Session items anticipated at the time of the posting of this agenda.

10. ADJOURNMENT

PLEASE NOTE:

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Clerk of the Board at (951) 354-4220. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility to this meeting.

Materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting

I, Sara Villa, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on March 27, 2025, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.gov and posted at SAWPA's office, 11615 Sterling Avenue, Riverside, California.

Project Agreement 23 Committee Regular Meetings

Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

First Tuesday of Every Other Month (February, April, June, August, October, December)

(Note: All meetings begin at 8:30 a.m., unless otherwise noticed, and are held at SAWPA.)

February	April
2/4/25 Regular Committee Meeting [cancelled]	4/1/25 Regular Committee Meeting
June	August
6/3/25 Regular Committee Meeting	8/5/25 Regular Committee Meeting
October	December
10/7/25 Regular Committee Meeting	12/2/25 Regular Committee Meeting

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PROJECT AGREEMENT 23 COMMITTEE
Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)
REGULAR MEETING MINUTES
August 1, 2023

COMMITTEE MEMBERS PRESENT

Mike Gardner, Western Municipal Water District Governing Board
Shivaji Deshmukh, Alternate, Inland Empire Utilities Agency General Manager
Joe Mouawad, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager
Paul Kielhold, San Bernardino Valley Municipal Water District Governing Board

COMMITTEE MEMBERS ABSENT

Jasmin A. Hall, Vice Chair, Inland Empire Utilities Agency Governing Board

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]

None

MEMBER AGENCY STAFF PRESENT

Eastern Municipal Water District
Laura Barraza

Inland Empire Utilities Agency
None

Orange County Water District
Adam Hutchinson
Lisa Haney
Bruce Whitaker

San Bernardino Valley Municipal Water District
Adekunle Ojo

Western Municipal Water District
Craig Miller
Ryan Shaw
Joshua Aguilar

Santa Ana Watershed Project Authority
Jeff Mosher
Karen Williams
Sara Villa
Rachel Gray
Ian Achimore
Marie Jauregui
John Leete
Dean Unger

OTHERS PRESENT

Andrew D. Turner, Lagerlof, LLP; Brian Dietrick, Woodard & Curran

1. CALL TO ORDER

The regular meeting of the Project Agreement (PA) 23 Committee was called to order at 8:30 a.m. by Committee Chair, Mike Gardner.

2. PUBLIC COMMENTS

There were no public comments; there were no public comments received via email.

3. ITEMS TO BE ADDED OR DELETED

There were no items to be added or deleted.

4. APPROVAL OF MEETING MINUTES: APRIL 4, 2023

Chair Mike Gardner called for a motion to approve the April 4, 2023 meeting minutes as posted.

MOVED, to approve the April 4, 2023, meeting minutes.

Result: Adopted by Roll Call Vote
Motion/Second: Markus/Mouawad
Ayes: Deshmukh, Gardner, Markus, Mouawad
Nays: None
Abstentions: None
Absent: Kielhold

5. NEW BUSINESS

A. SARCCUP PROJECT UPDATES AND DWR GRANT AMENDMENT APPROVAL

Ian Achimore provided a presentation titled Santa Ana River Conservation and Conjunctive Use Program (SARCCUP) Project Updates and DWR Grant Amendment Approval, contained in the agenda packet on pages 7-33. Mr. Achimore reported that there was minor budget changes associated with Western Municipal Water District (WMWD) and San Bernardino Valley Municipal Water District (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, and there were no changes to the schedule or benefits.

Representatives from Eastern Municipal Water District (Laura Barraza), WMWD (Ryan Shaw), Orange County Water District (Adam Hutchinson), and SBVMWD provided brief updates on their respective projects. There was no discussion.

MOVED, to 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.

Result: Adopted by Roll Call Vote
Motion/Second: Markus/Mouawad
Ayes: Deshmukh, Gardner, Markus, Mouawad
Nays: None
Abstentions: None
Absent: Kielhold

6. INFORMATIONAL REPORTS

A. SARCCUP SCHEDULE STATUS INFORMATION

Ian Achimore provided a presentation titled SARCCUP Schedule Status Information, contained in the agenda packet on pages 35-42. The project construction is scheduled to be completed March 2025, with the invoicing wrapping up in June 2025. The Grant Agreement, including the deliverables for the final report, is due to the Department of Water Resources in the summer of 2025. There was no discussion.

This item was for informational purposes; no action was taken on Agenda Item No. 6.A.

B. SARCCUP GRANT PAYMENT UPDATES

Ian Achimore provided a presentation titled SARCCUP Grant Payment Updates contained in the agenda packet on pages 43-47. An overview was provided of the Grant Agreement reflecting the invoices submitted through March 31, 2023. The total SARCCUP grant for all

five member agencies amounts to \$55 million, with the project schedule running from January 2017 to June 2025. There was no discussion.

This item was for informational purposes; no action was taken on Agenda Item No. 6.B.

C. GENERAL MANAGER COMMENTS

It was noted that the PA 23 Committee meetings are held when there is an approval action item, and this practice will continue in the future.

D. COMMITTEE MEMBER COMMENTS

There were no Committee Member comments received.

E. CHAIR'S COMMENTS/REPORT

There were no Chair comments received.

7. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

There were no requests for future agenda items.

8. ADJOURNMENT

There being no further business for review, Committee Chair Mike Gardner adjourned the meeting at 8:55 a.m.

Approved at a Regular Meeting of the Project Agreement 23 Committee on Tuesday, April 1, 2025.

Mike Gardner, Chair

Attest:

Sara Villa, Clerk of the Board

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SANTA ANA WATERSHED
PROJECT AUTHORITY

Project Agreement 23 Committee Budget for Fiscal Year Ending 2026

Project Agreement 23 Committee

April 1, 2025

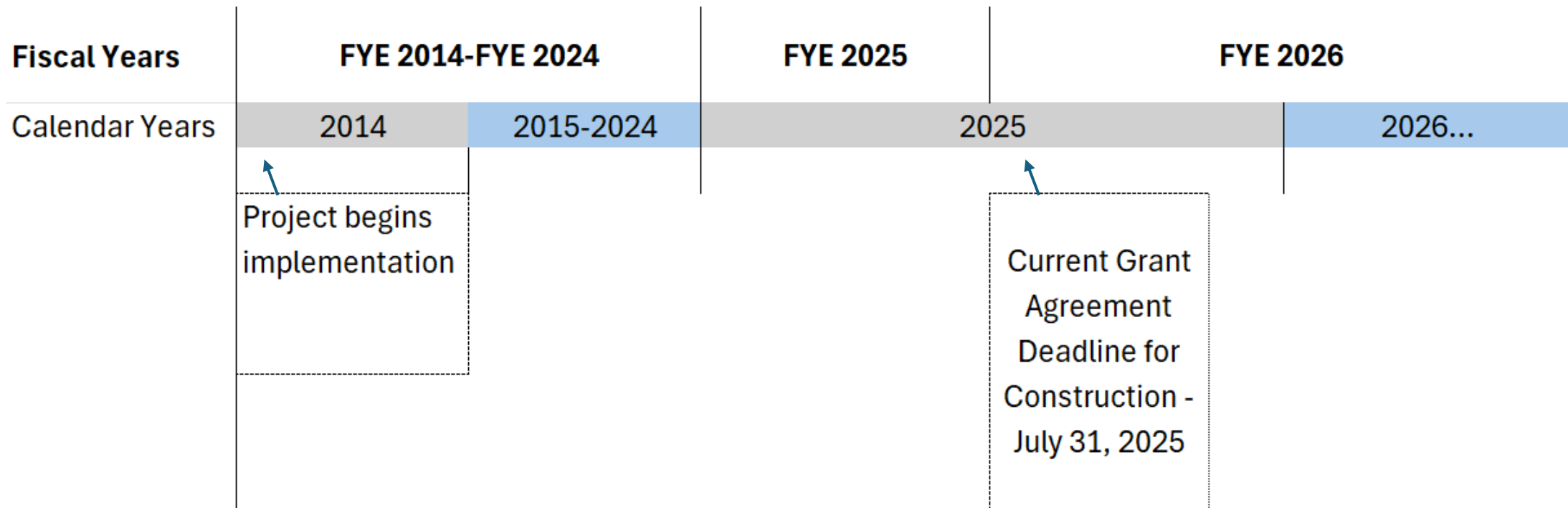
Karen Williams

Deputy General Manager & Chief Financial Officer

Overview of Presentation

- Provide background on Project Agreement (PA) 23 Committee budget process and request adoption of Fiscal Year Ending (FYE) 2026 budget
- **Recommendation**
 - Adopt FYE 2026 PA 23 Committee Budget

Schedule Reflecting Latest DWR Grant Agreement Amendment



PA 23 Committee Budget only includes FYE 2026 since that is reflective of the schedule in the latest approved grant agreement amendment. Grant agreement deadline for administration is November 30, 2025.

PA 23 Budget Process

- A budget is required per Section 10 of Project Agreement
- PA 23 budget is also incorporated into SAWPA two-year budget
 - SAWPA two-year budget is planned for adoption in June 2025 Commission meeting.
- Historically the PA 23 Committee budget has included SAWPA member agency “participant fees”. The Fiscal Year Ending 2026 budget has no member agency participant fees.
 - Carryover participant fees will cover costs in this budget.



Total Funding in Grant Agreement

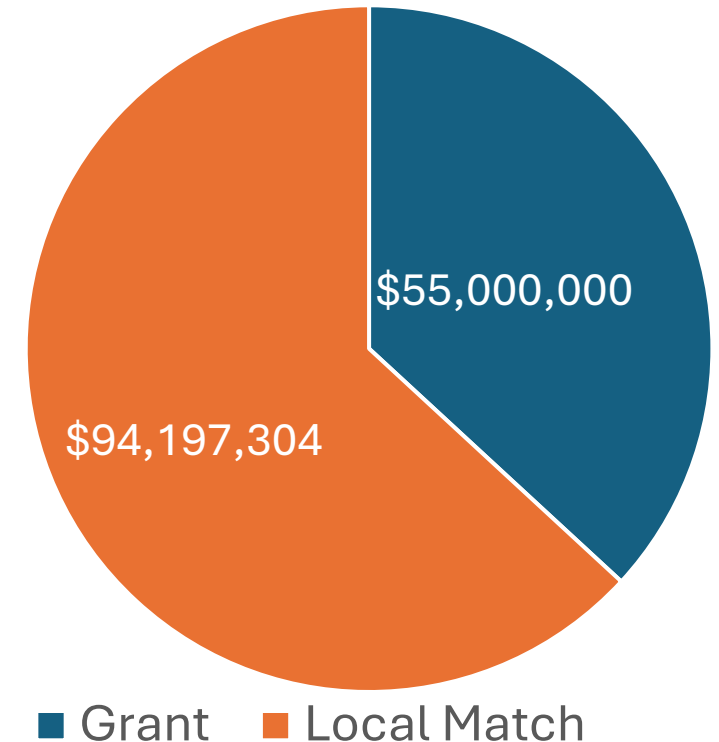


Prop 84 Grant Agreement

Total Cost in Grant Agreement:
\$149,197,304

Components in Grant Agreement:

- Conjunctive Use
- Habitat
 - Arundo Donax
 - Santa Ana Sucker
- Project Management*
- Water Use Efficiency*

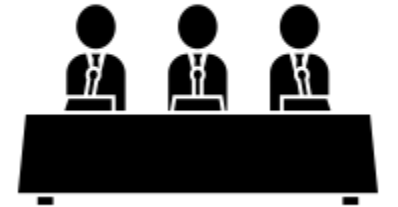


Total Cost in Grant Agreement:
\$149,197,304

*The two SAWPA-led items included in PA 23 budgets.

SARCCUP Project Management

- SAWPA staff
 - Support PA 22 and PA 23 Committees
 - Prepared Committee agendas and materials
 - Coordinating items with SARCCUP project sponsors
- Woodard and Curran
 - Coordinates/reviews the invoicing of DWR
 - Facilitates bi-monthly SARCCUP planning managers meeting
 - Maintains schedule and deliverable tracking



FYE 2026 Budget for Adoption

Expenses	Actual	Actual (Through		Projected	Proposed
		FYE 2024	12/31/2024)		
SAWPA Labor ^o	\$36,224		\$2,535	\$5,069	\$50,073
W&C Project Mgmt Consultant*	\$90,945		\$45,110	\$90,221	\$100,000
Legal Fees ^o	\$333		\$0	\$400	\$400
NV5 Water Budget Consultant* ^o	\$623,998		\$0	\$0	\$0
Total	\$751,500		\$47,645	\$95,690	\$150,473

* Funded by participant fees

^o Funded by grant

Prop 84 Grant Funding will revert on July 30, 2026

Budget With Detailed Funding Sources

Revenues ←

Budget Line Item	Actual FYE 2024	Actual (Through 12/31/2024) FYE 2025	Projected FYE 2025	Proposed FYE 2026
Prop 84 Grant	\$156,225	\$2,535	\$5,469	\$50,473
Participant Fees to Invoice	\$0	\$0	\$0	\$0
Participant Fees Used from Reserves	\$595,275	\$45,110	\$90,221	\$100,000
Total	\$751,500	\$47,645	\$95,690	\$150,473

Expenses →

Budget Line Item	Actual FYE 2024	Actual (Through 12/31/2024) FYE 2025	Projected FYE 2025	Proposed FYE 2026
SAWPA Labor ^o	\$36,224	\$2,535	\$5,069	\$50,073
W&C Project Mgmt Consultant*	\$90,945	\$45,110	\$90,221	\$100,000
Legal Fees ^o	\$333	\$0	\$400	\$400
NV5 Water Budget Consultant* ^o	\$623,998	\$0	\$0	\$0
Total	\$751,500	\$47,645	\$95,690	\$150,473

* Funded by participant fees

^o Funded by grant

Use of SARCCUP Participant Fees

- **Status of unused participant fees**
 - Funding remains from Woodard & Curran PM tasks for SARCCUP Program
- **Previous discussion with Member Agencies (Fall 2024)**
 - SAWPA staff proposed repurposing those funds (~\$290K) to support development of the CARP
 - **Rationale:** The additional funding would help ensure the success of the CARP

Update on Unused SARCCUP Participant Fees

- **Proposed Approach:**

- Use of the SARCCUP cost savings to advance CARP tasks
- Included the following Optional Tasks in the CARP RFP:
 1. Enhance the geospatial database
 2. Enhance the digital presence (online platform)
 3. Develop functionality for public agencies and stakeholders on the online platform
 4. Document watershed and regional-scale predictive climate factor trends for use by public agencies
 5. Enhance regional adaptation project concepts and roadmap
- Next Steps:
 - Finalize scope and budget with Woodard & Curran (CARP consultant) – March 2025
 - Present scope and budget to SAWPA General Managers – April 2025
 - General Managers approve use of funds for CARP – May 2025
 - Present optional tasks to Commission – May/June 2025

Recommendation

Adopt FYE 2026 PA 23 Committee Budget.

Thank You

Karen Williams
Santa Ana Watershed Project Authority
Office 951.354.4231
kwilliams@sawpa.gov
sawpa.gov





Adoption of Amendment No. 6 to SBVMWD SARCCUP Component

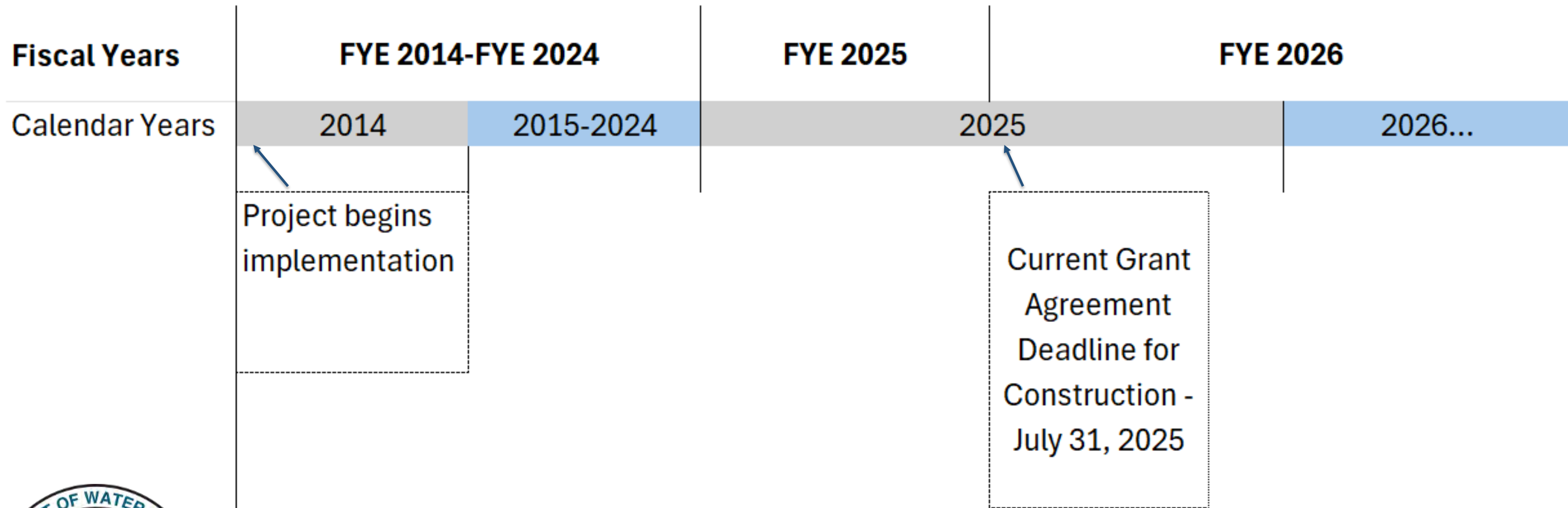
Project Agreement 23 Committee
Item Number 6.B

Rachel Gray, SAWPA Water Resources & Planning Manager

Joanna Gibson, SBVMWD Executive Director Upper Santa Ana River Habitat Conservation Plan

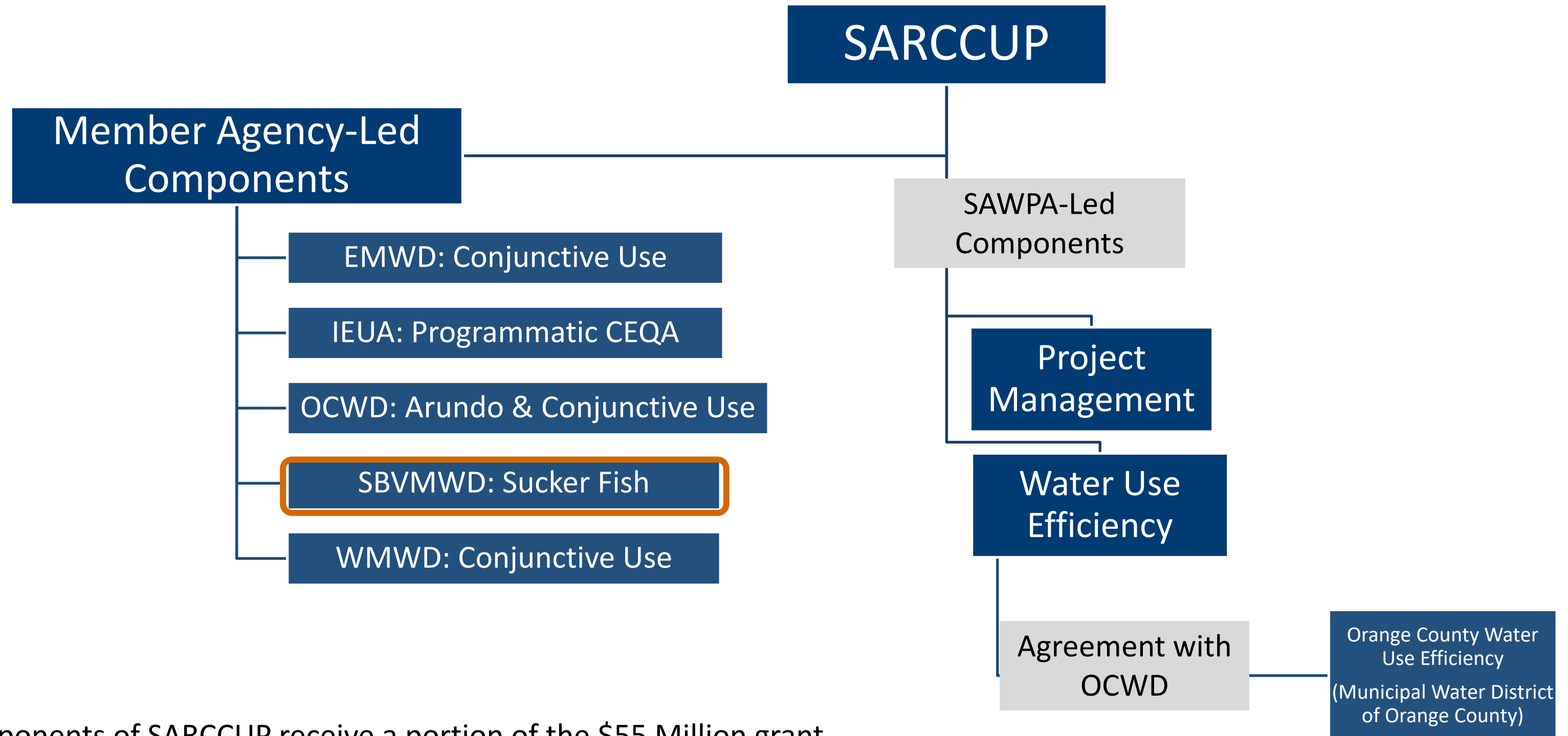
April 1, 2025

SARCCUP Schedule (Current)



Note: Schedule end date is important as it is included in the Proposition 84 Department of Water Resources \$55 Million Grant Agreement.

Grant Amendment



Note: All components of SARCCUP receive a portion of the \$55 Million grant.

Recommendation



1. Time extension for construction (mid-January 2026)
2. Amend the Grant Agreement language for two of the SARCCUP Santa Ana Sucker Fish Streams (Hidden Valley and Anza Creek):
 - “Construction at the two creeks will be underway, with construction completed after the grant agreement schedule end date.”
 - Similar language was used for an Orange County well (described in Project Updates PowerPoint)
 - “One of the wells will just be drilled, and equipping will occur after the grant agreement’s construction end date, with well production thereafter.”
3. Add the **Santa Ana River Enhanced Recharge Phase 1B Project** to the Prop 84 SARCCUP Grant. This Project can be added in entirety, or only partially.

Note: SBVMWD requested this, SAWPA coordinated the request with DWR and the SAWPA Member agencies planning departments.

Current Project: Santa Ana Sucker Streams

- Restore hydrology to maintain exposed gravel/cobble and flow conditions adverse to non-native fishes.
- Restore connection to Santa Ana River at the floodplain for access to tributary habitat.
- Assist with implementation of the Upper Santa Ana River Habitat Conservation Plan (regulatory document associated with Endangered Species Act).



Current Project: Santa Ana Sucker Streams

Total Benefits (Four Streams):

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



Current Project: Santa Ana Sucker Streams



- Advertised for bids for construction of Anza and Hidden Valley Creeks: May 28, 2024
- Bid opening: July 16, 2024.
- All bids rejected August 20, 2024
- Moved forward with SBVMWD staff:
 - Clear and grub & 50% rough grading complete at Hidden Valley Creek
 - Clear and grub, rough grading underway at Anza Creek
 - Work ongoing at Lower Hole Creek and Old Ranch Creek



Project Constraints and Outcome

Constraints:

- Nesting bird season (a lot of least Bell's vireo)
- Working in an active flood plain
- Two storm drain outlets requiring demobilization

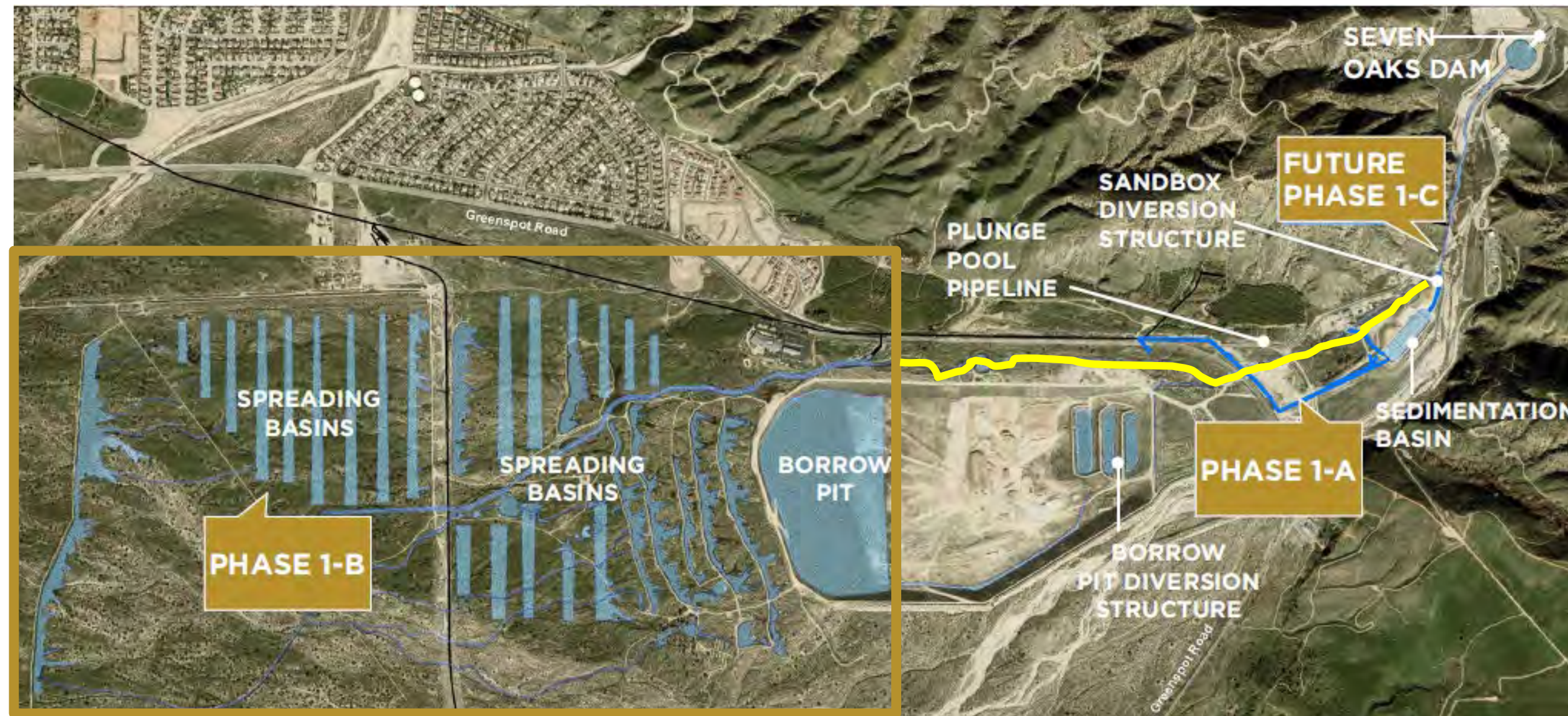
Outcome:

- Construction completion delay (est. July 1, 2026)



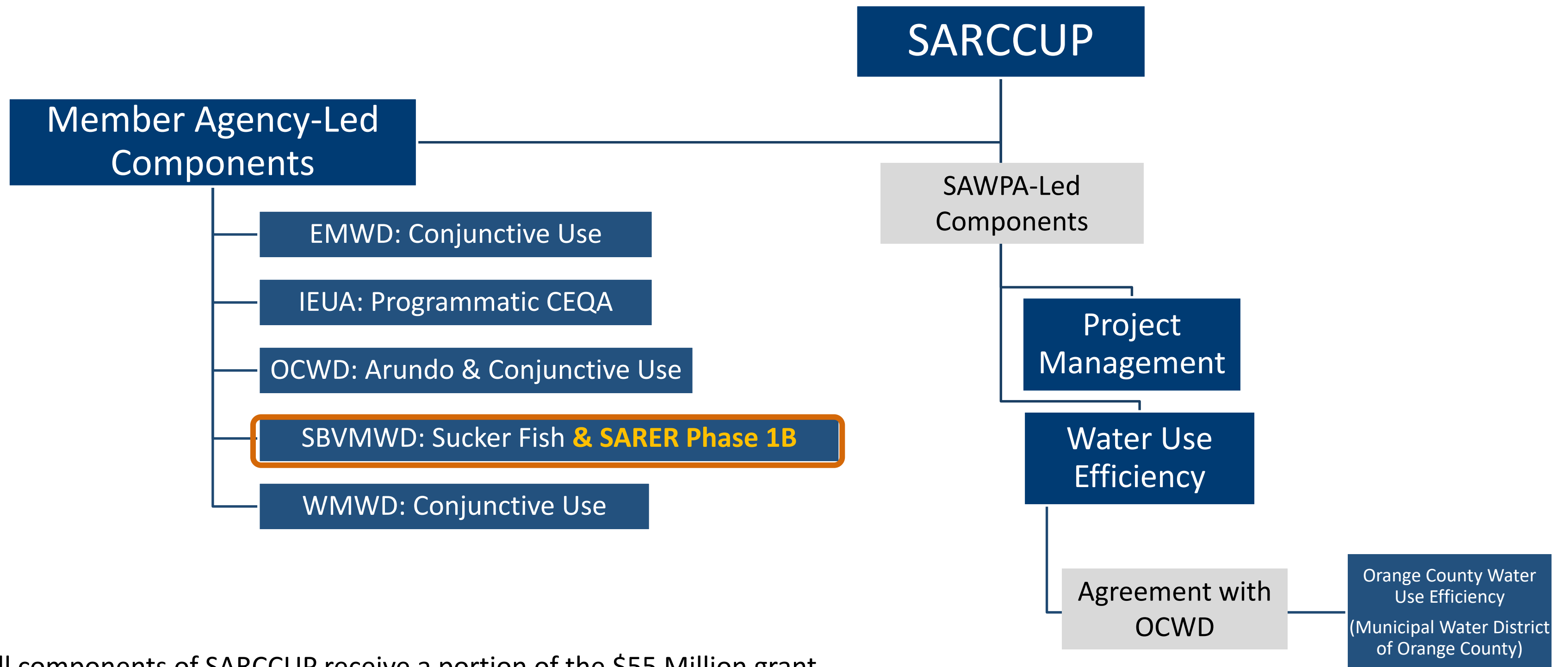
Proposed Project Addition:

Santa Ana River Enhanced Recharge Phase 1B



- Provides the region with additional local water supply that will help diversify the regional water supply portfolio and enhance conjunctive use opportunities.
 - In addition to recharge of local water, Phase 1B can accept and recharge State Water Project (imported) water
 - 15,412 AFY and up to 80,000 AF in a single wet year

Amendment



Note: All components of SARCCUP receive a portion of the \$55 Million grant.

Recommendation



1. Time extension for construction (mid-January 2026)
2. Amend the Grant Agreement language for two of the SARCCUP Santa Ana Sucker Fish Streams (Hidden Valley and Anza Creek) to state:
 - “Construction at the two creeks will be underway, with construction completed after the grant agreement schedule end date.”
 - Similar language was used for an Orange County well (described in Project Updates PowerPoint)
 - “One of the wells will just be drilled, and equipping will occur after the grant agreement’s construction end date, with well production thereafter.”
3. Add the **Santa Ana River Enhanced Recharge Phase 1B Project** to the Prop 84 SARCCUP Grant. This Project can be added in entirety, or only partially.

Note: SBVMWD requested this, SAWPA coordinated the request with DWR and the SAWPA Member agencies planning departments.

Thank You

Rachel Gray
Santa Ana Watershed Project Authority
Office (951) 354-4221
rgray@sawpa.gov





Santa Ana River Conservation and Conjunctive Use Program Update

Project Agreement 23 Committee
Item Number 6.C

Rachel Gray Water Resources & Planning Manager
And
Member Agency Staff

April 1, 2025

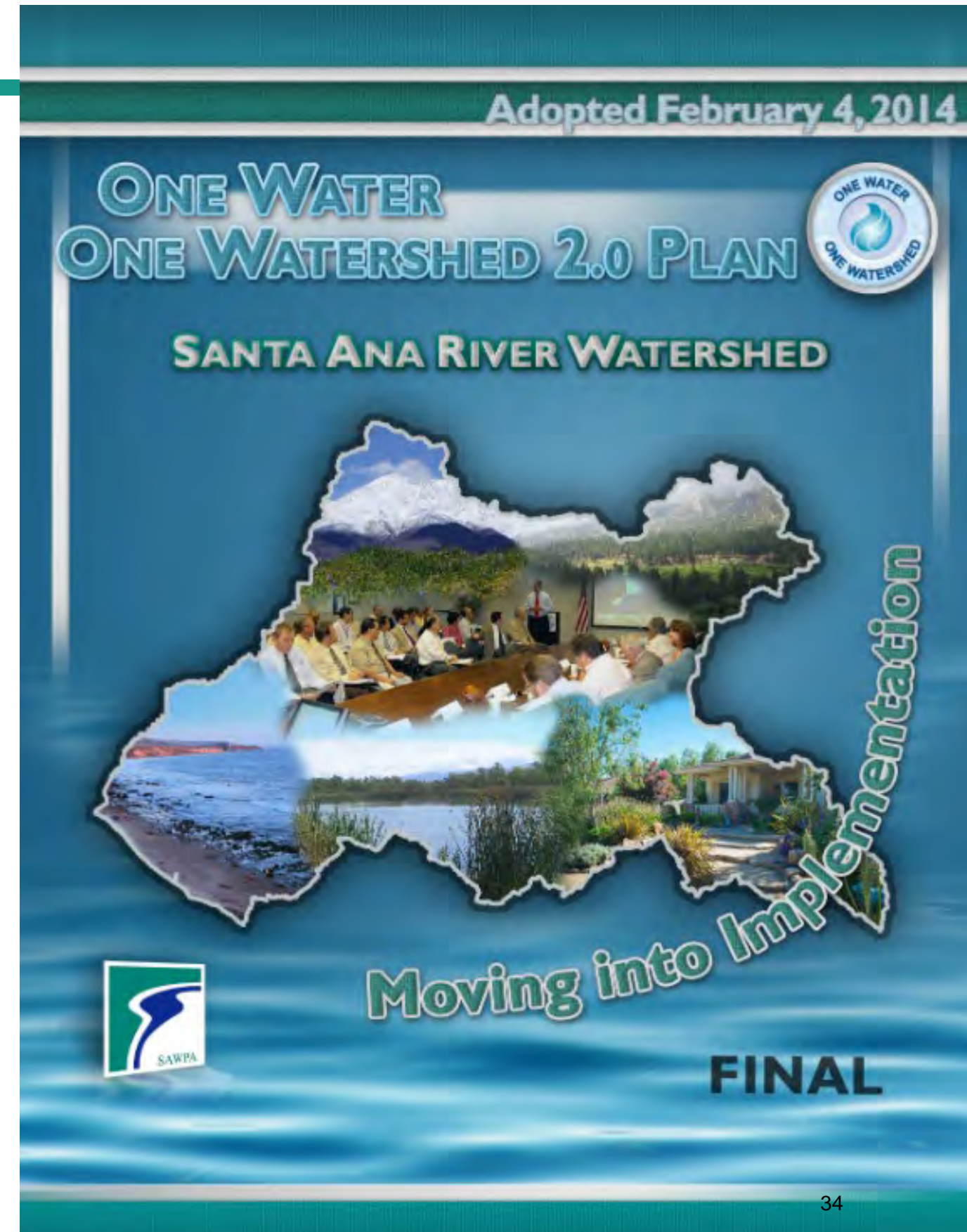
SARCCUP and OWOW Plan Goals

SARCCUP achieves several goals:

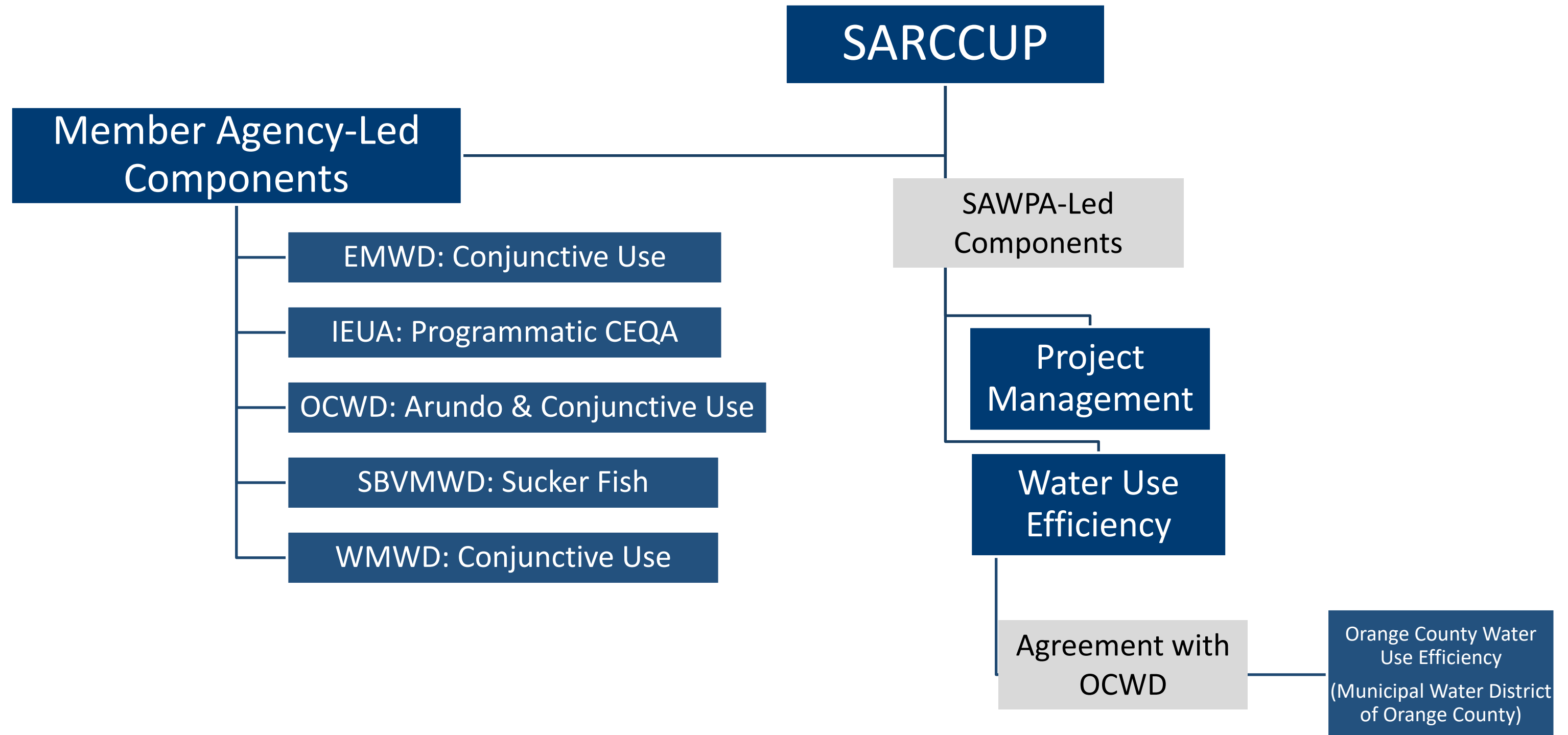
- 1) Multi-Agency Collaboration
- 2) Watershed-wide Program
- 3) Develop dry-year supply by banking wet-year water
- 4) Implement:
 - a) Water conservation measures and
 - b) Habitat restoration efforts.

OWOW 2.0 water supply-related goal:

OWOW 2.0 Goal	OWOW Performance Targets for 2035
Maintain reliable and resilient water supplies and reduce dependency on imported water.	Create 58,000 AFY using a combination of additional wells, treatment, conjunctive use storage, and desalination of brackish groundwater.



SARCCUP Components



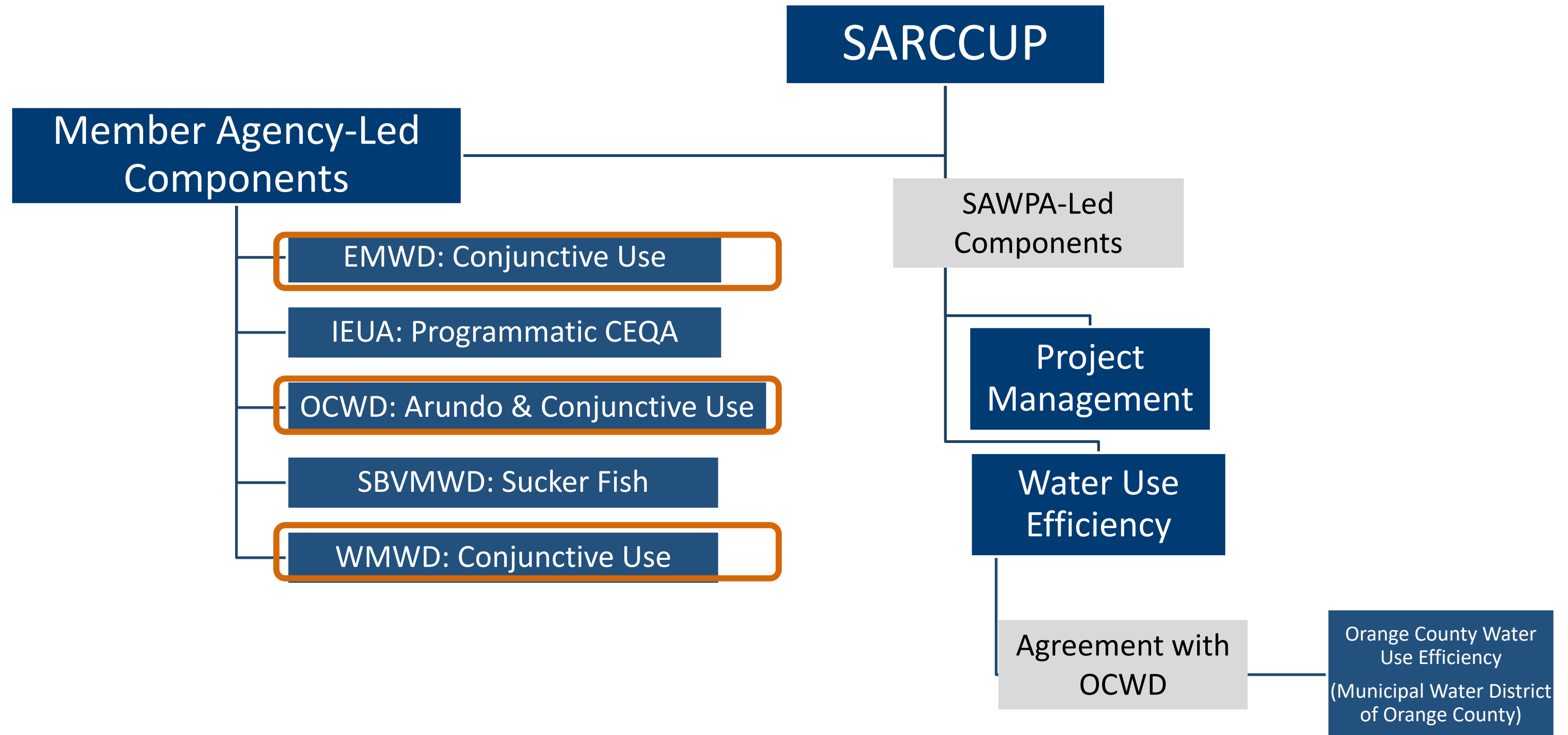
SARCCUP Schedule

Fiscal Years	FYE 2014-FYE 2024		FYE 2025	FYE 2026
Calendar Years	2014	2015-2024	2025	2026...
	Project begins implementation		Current Grant Agreement Deadline for Construction - July 31, 2025	



Note: Schedule end date is important as it is included in the Proposition 84 Department of Water Resources \$55 Million Grant Agreement.

Conjunctive Use Updates



Purpose of SARCCUP Conjunctive Use Water Bank



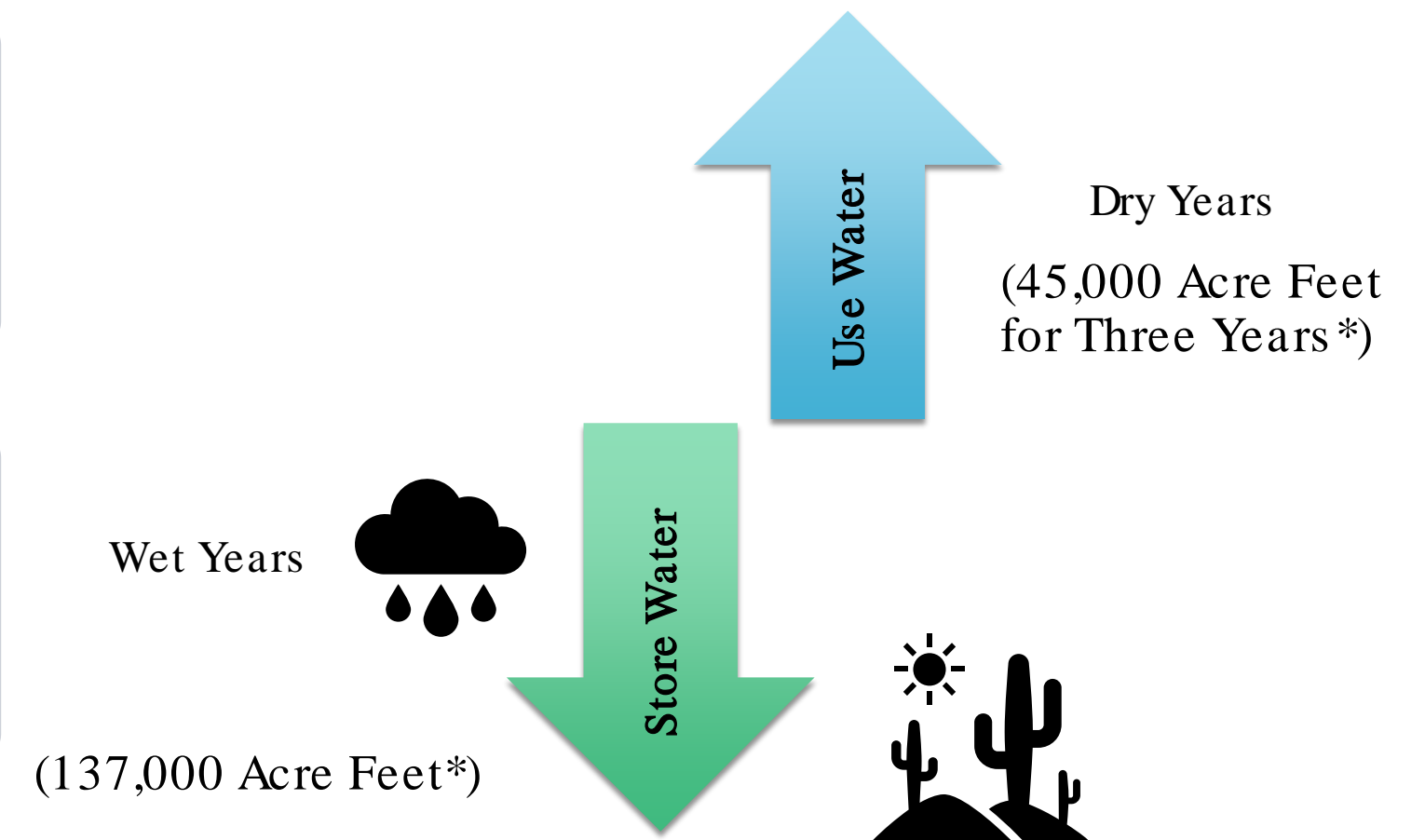
The primary goal is to maximize the storage of wet year imported water supplies that can later be used during droughts.



SARCCUP able to store approximately 137,000 acre-foot (AF) with the capacity to recharge and store up to 60,000 AF per year (AFY) during wet years.



Dry year supply approximately 45,000 AFY for 3 years.*



The target amounts for storage and use are dependent upon actual hydrology.

*To reduce costs, in lieu exchanges will be used in place of direct deliveries as much as possible.

Conjunctive Use Water Bank Storage Locations



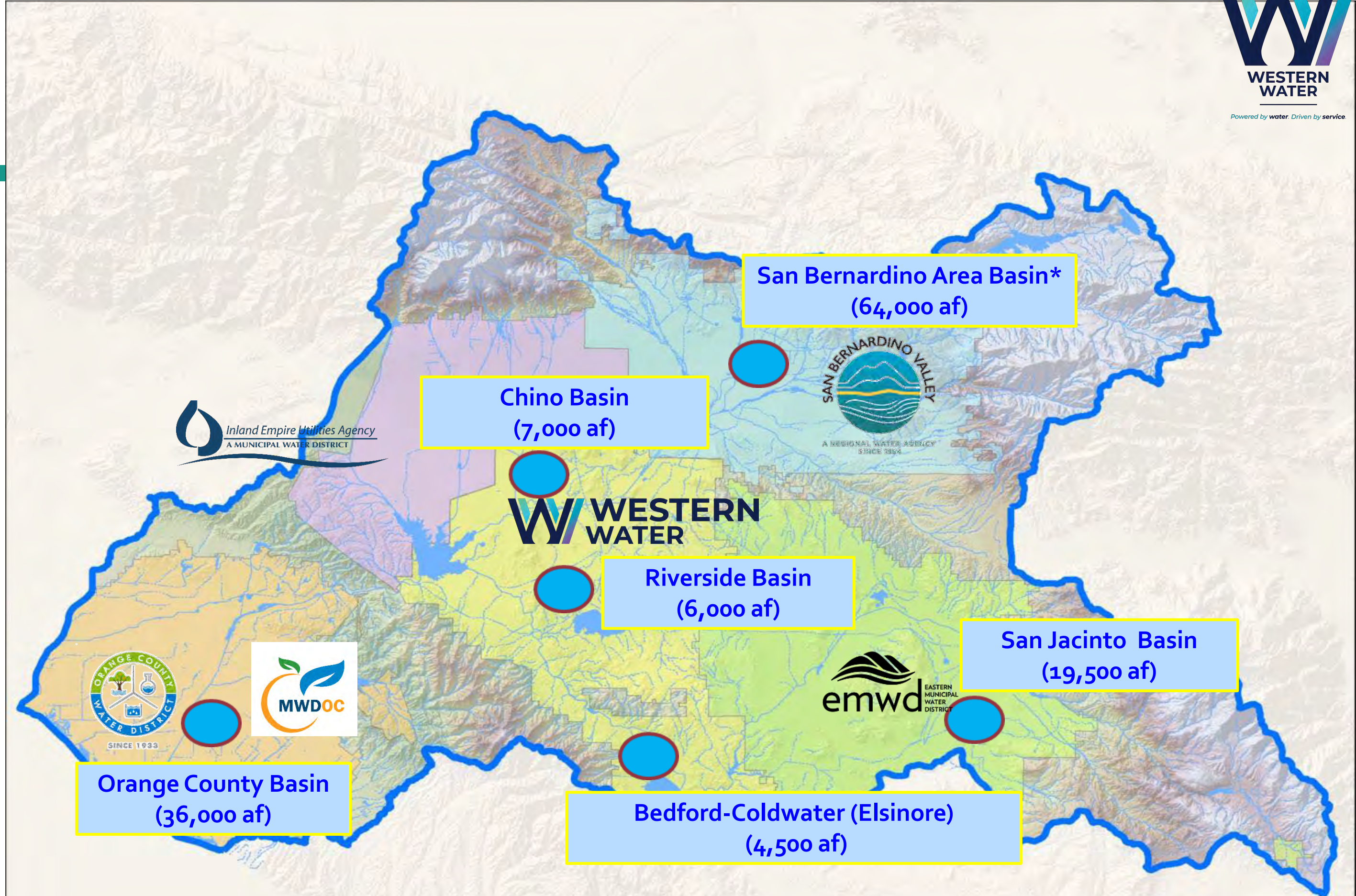
Basin	Storage (Acre Feet) Approximate Amount*
Chino	7,000
Elsinore	4,500
Orange County	36,000
Riverside-Arlington	6,000
San Bernardino	64,000
San Jacinto	19,500
Total	137,000

*The target amounts for wet year storage and dry year supply are dependent upon actual hydrology.

SARCCUP Storage



Interconnections and project conveyance components allow direct deliveries amongst basins

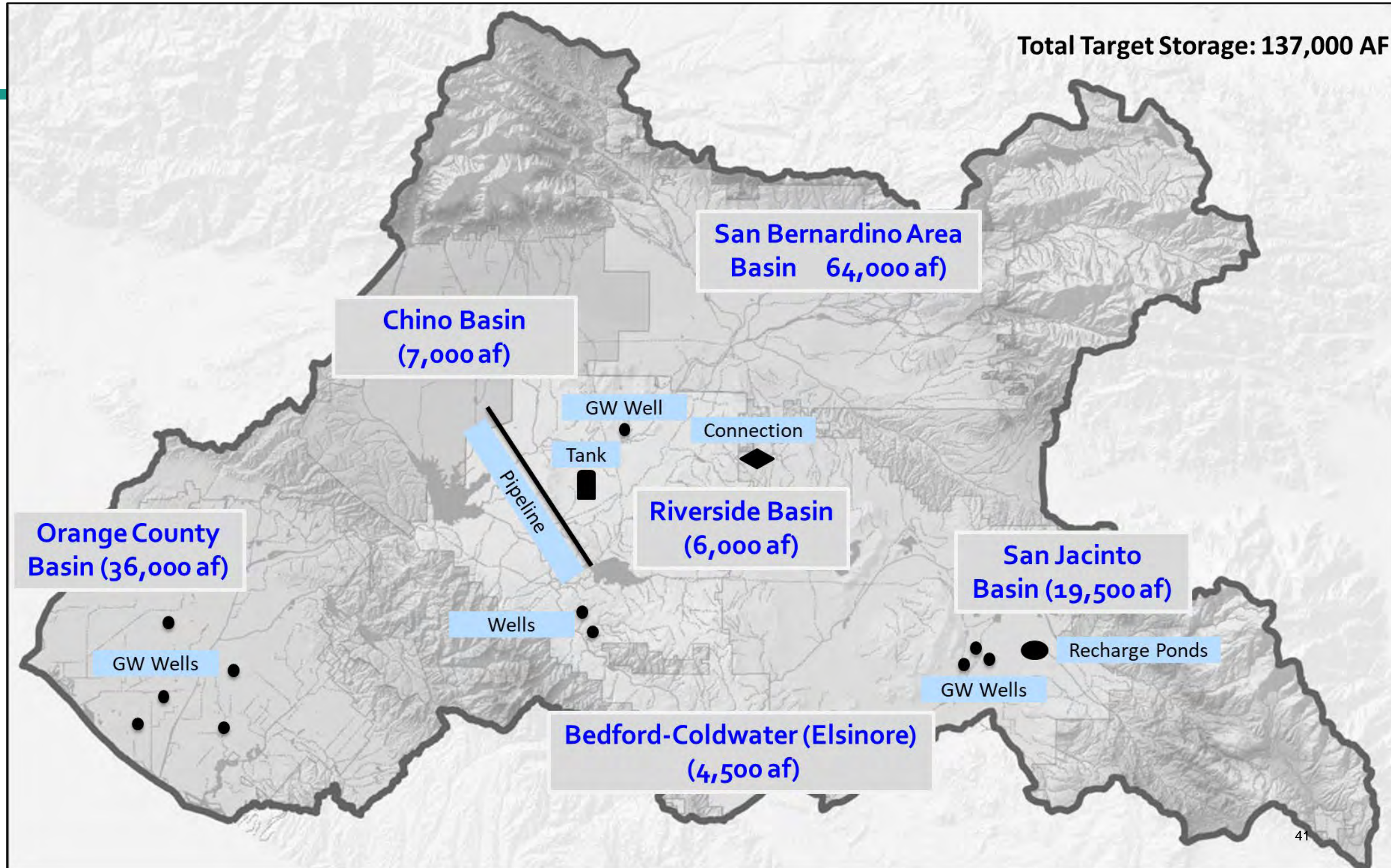


* Not a Metropolitan Member Agency; SBVMWD is a State Water Project Contractor

New SARCCUP

Facilities

New SARCCUP
Facilities (Black)



SARCCUP Operations Committee



- Purpose:
 - Formed via a March 2023 agreement between EMWD, OCWD, SBVMWD and WMWD, it analyzes transactions for water purchases, storage and delivery
 - Supports operating decisions for movement of SARCCUP water
 - Oversees financial transactions and streamline reporting
- Other highlights:
 - Key agencies (i.e., Metropolitan Water District) participate as non-voting parties or observers
 - Details procedures for water purchases, storage, points of delivery, scheduling transactions, etc.
- Committee meets as needed



Current SARCCUP Storage

- **Orange County Basin** - OCWD has deposited 2,000 AF in their portion of the SARCCUP bank
- **Chino Basin** – Western Water has deposited 2,084 AF in their portion of the SARCCUP storage
- No water extracted from the Storage Program at this stage

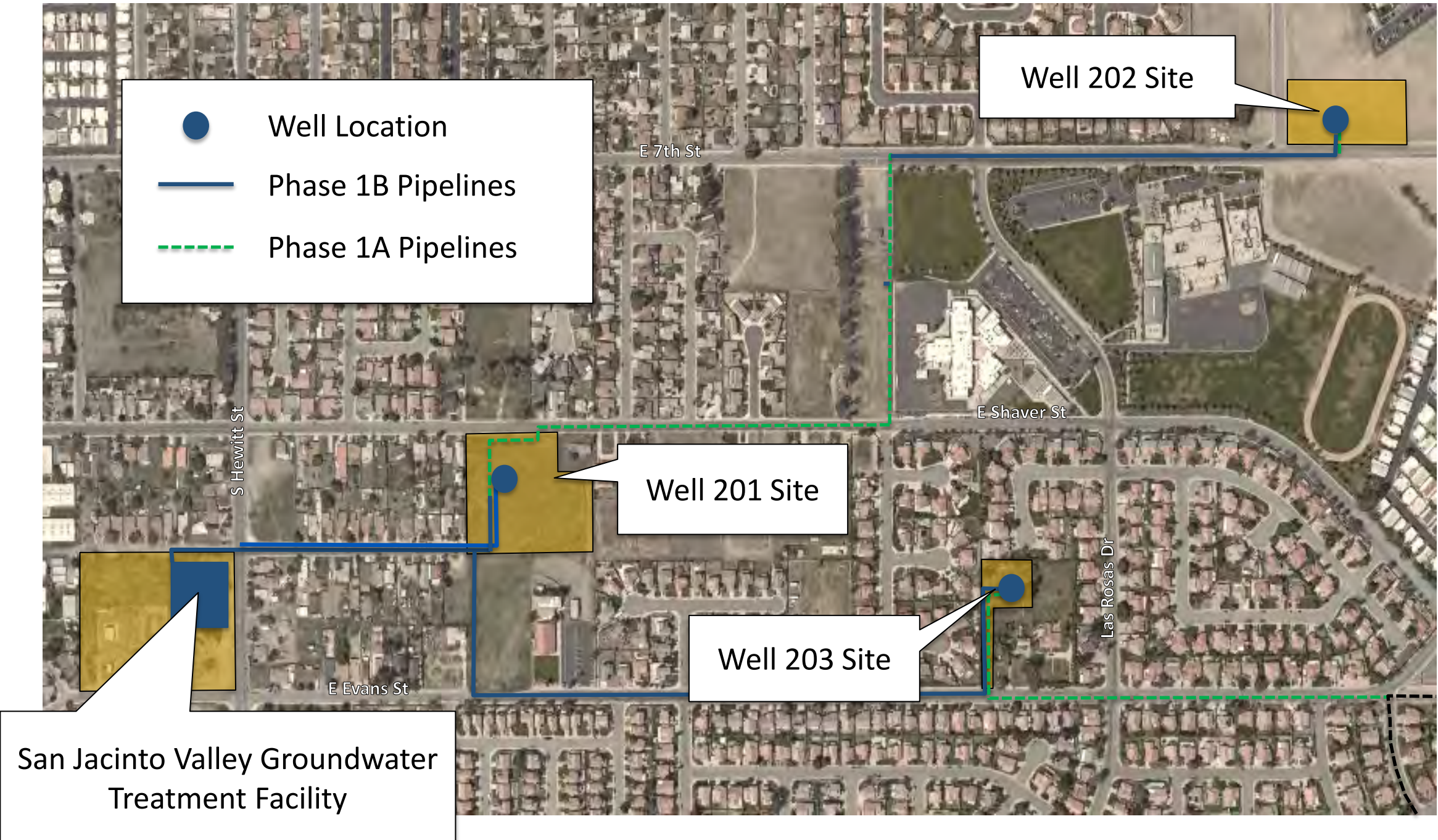


EMWD Updates



San Jacinto Groundwater Basin Facilities
(Mountain Avenue West Groundwater Replenishment and Extraction Wells)

Wells 201, 202, 203



City of San Jacinto

EMWD Updates

- ▶ Mountain Ave West Groundwater Replenishment Facility: facility utilized on a temporary basis while the recharge ponds were undergoing repair (April-June 2024)
- ▶ Wells 201-203: Equipping completed in early 2024
- ▶ San Jacinto Valley Groundwater Treatment Facility:
 - Not included in SARCCUP grant funding but pertinent to the project
 - Groundbreaking ceremony held July 2024
 - Construction completion in summer 2026



Multi-Benefits of New SARCCUP Infrastructure

- Mountain Avenue West Replenishment Facility
 - 40-acre recharge facility, including 22-acres of active recharge basins as part of the San Jacinto Valley Enhanced Regional Recharge Program (SJVERRP)
 - Three separate basin facilities – one for de-silting and flow distribution and two for recharge operations
 - Capable of recharging up to 30,000 acre-feet per year (19,500 AF for SARCCUP Storage)
 - 11 monitoring well sites surround facility
- Three potable wells: Wells 201, 202, and 203 (plus Well 205 but not grant-funded)
 - Conveyance Pipelines
 - Hewitt and Evans Groundwater Treatment Facility (not grant-funded)
 - Each Well Capacity: 1,500 gpm
 - Total Water Supply: 6,500 AFY

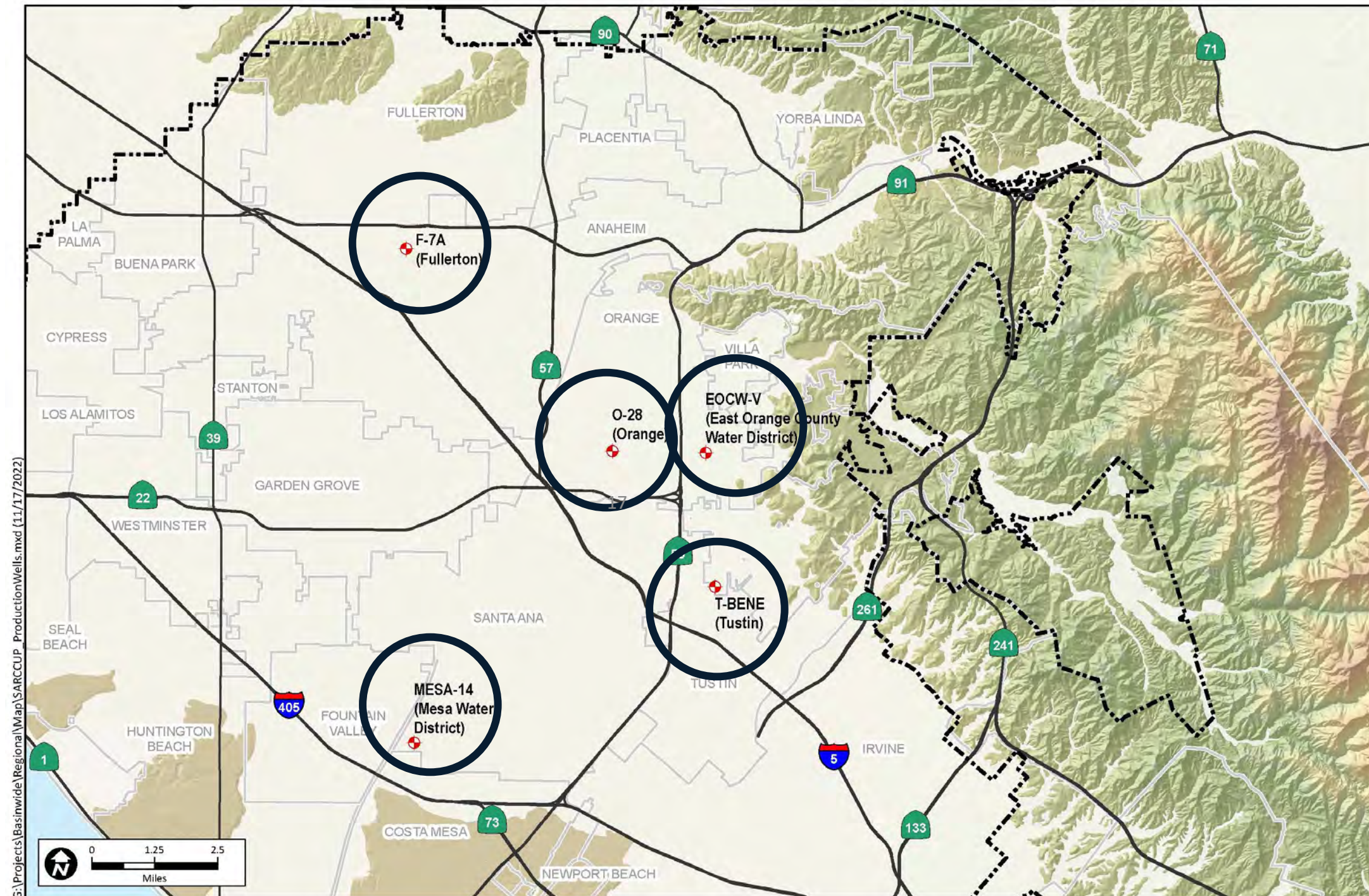


OCWD UPDATES

Orange County Groundwater Wells



Five SARCCUP Orange County Production Wells





Status of Well Completion/Equipping

Agency	Well Name	Date Well Completed	Projected Equipping Complete
City of Fullerton	Well 7A	February 2021	January 2026*
City of Orange	Well 28	March 2022	July 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

*Date is after the July 31 2025 Department of Water Resources (DWR) Grant Agreement deadline, but OCWD, SAWPA and DWR have developed a path forward (and have verbal agreement) that keeps the project in compliance with the grant agreement.

Multi-Benefits of New SARCCUP Infrastructure

- Provides each participating retailer additional pumping capacity to withdraw banked SARCCUP water when needed.
- The new wells are more efficient and will require less energy to withdraw water compared to older wells (reduce carbon footprint).
- With the new construction, OCWD took advantage of the opportunity to install wellhead treatment systems at wells that needed treatment for PFAS (4 of the 5). These systems will ensure that the quality of the produced water meets regulatory requirements.



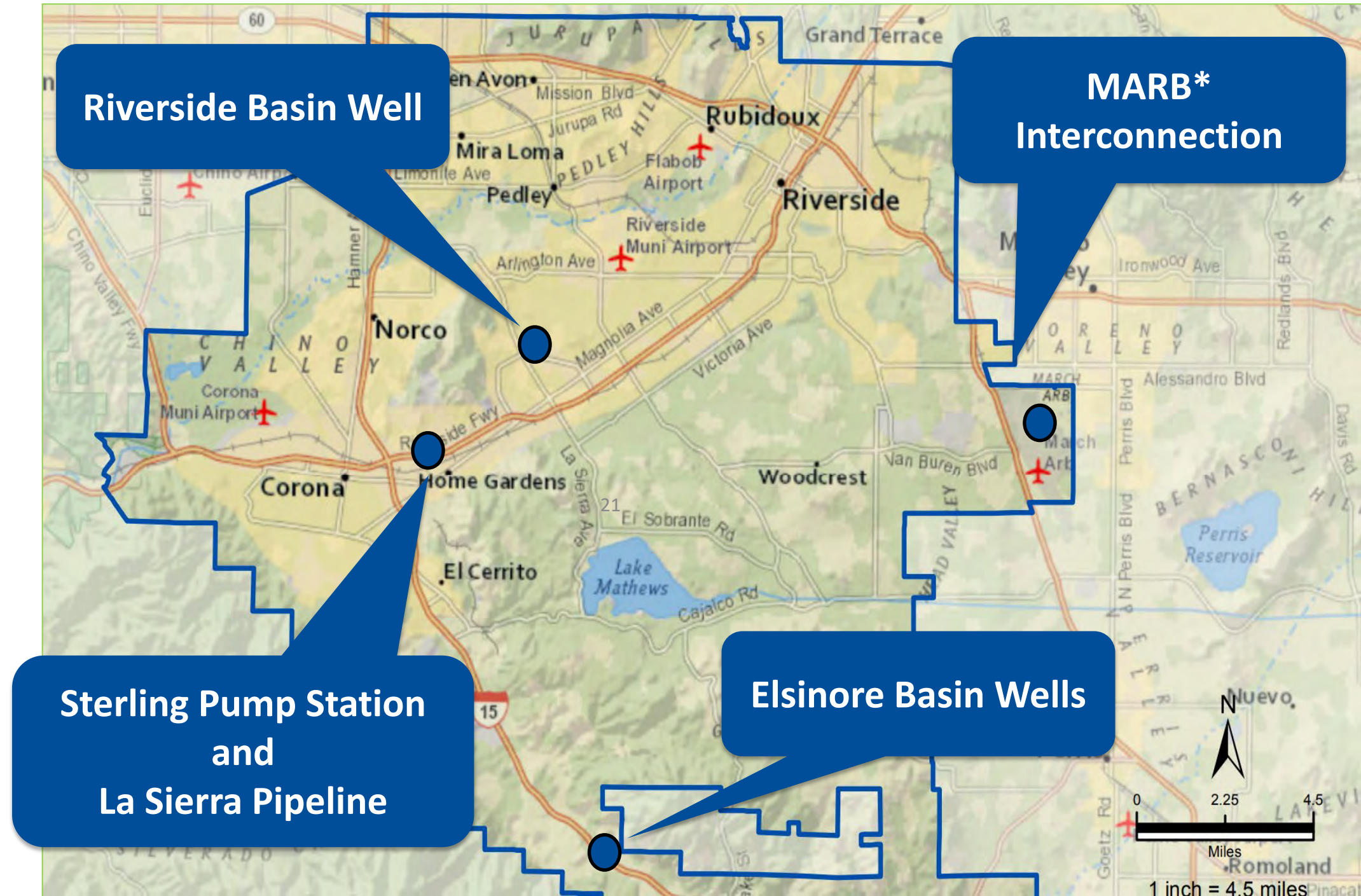
WMWD Updates



Powered by water. Driven by service.

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

SARCCUP WMWD Facilities



*MARB = March Air Reserve Base

Sterling Pump Station and La Sierra Pipeline

- Sterling Pump Station & Reservoir, and La Sierra Pipeline (~\$40 million) were completed in late 2022
- Connection between Chino Desalter II to Arlington Desalter System to Mills Gravity Line
- Allows movement of extracted SARCCUP supplies to move to Jurupa Community Services District (JCSD), Norco, Corona, Western retail, Temescal Valley, and Elsinore Valley



Interconnections

- Magnolia Intertie construction underway (~95% complete)
- March Air Reserve Basin (MARB) Interconnection complete
- Allows movement of extracted SARCCUP supplies from various groundwater basins



Riverside Basin Well

- Well drilling and casing installation complete
- Pumping development, testing and sampling complete
- Design/Construction contracts have been awarded
- Allows movement of extracted SARCCUP supplies from San Bernardino Basin Area, Riverside, and Riverside-Arlington groundwater basins



Elsinore Basin Wells

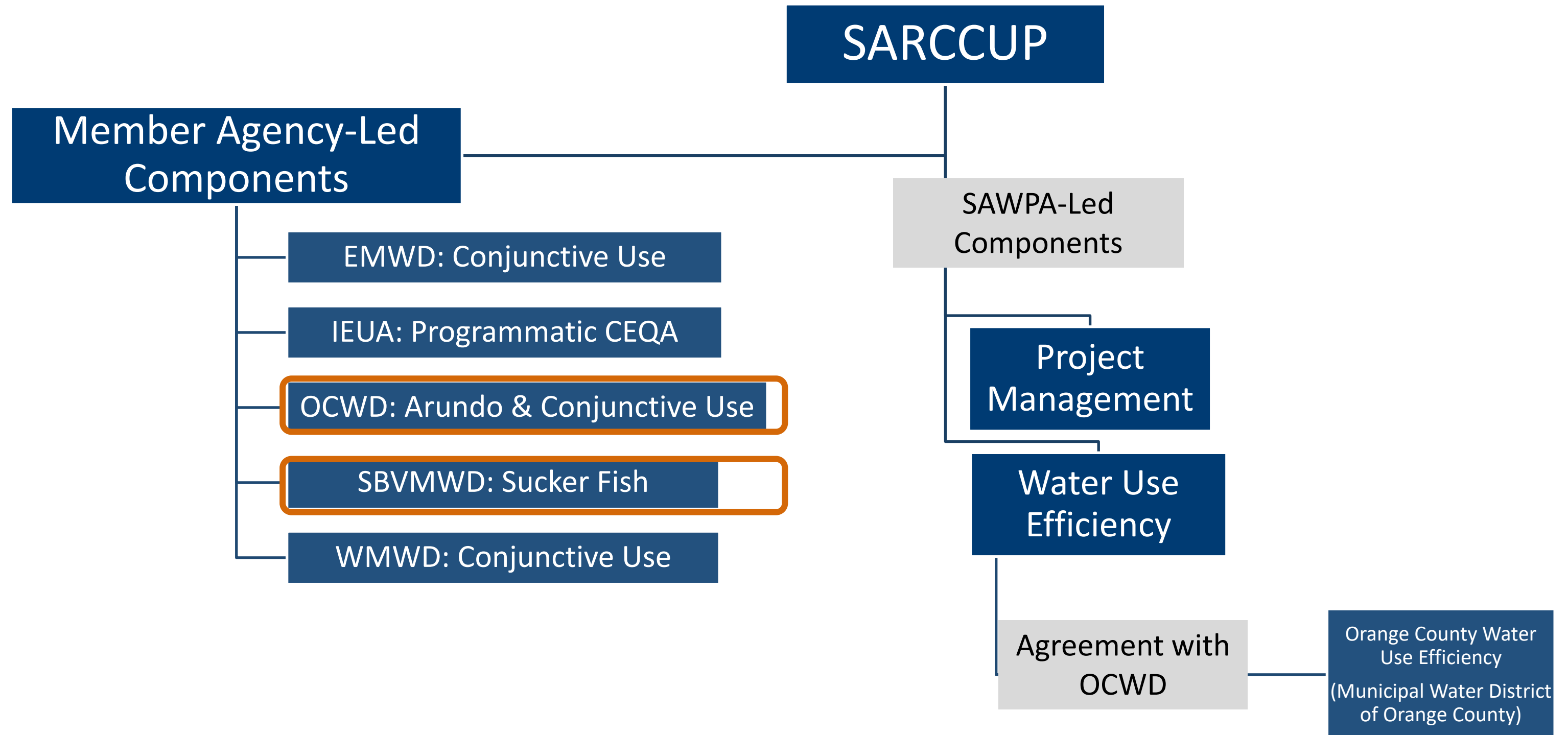
- New extraction wells with PFAS treatment
- Projects under construction (~85% complete)
- Allows movement of extracted SARCCUP supplies from Elsinore groundwater basins



Multi-Benefits of New SARCCUP Infrastructure

- Provides additional pumping capacity to withdraw banked SARCCUP water
- Newer energy efficient equipment (wells, pump station, etc.)
- Interconnections for movement of SARCCUP supplies from various groundwater basins
- Western's sub-agency took the opportunity to install treatment for PFAS
- New conveyance systems allows movement of extracted SARCCUP supplies to move to JCSD, Norco, Corona, Western retail, Temescal Valley, and Elsinore Valley
- Overarching:
 - Collaborating with neighboring agencies to optimize regional resources
 - Created a water storage initiative for the watershed to utilize surplus supplies
- Program underway with over 4,000 AF banked

Habitat Updates (Arundo & Sucker Fish)



Purpose of Santa Ana Sucker Habitat

- Restore hydrology to maintain exposed gravel/cobble and flow conditions adverse to non-native fishes.
- Restore connection to Santa Ana River at the floodplain for access to tributary habitat.
- Assist with implementation of the Upper Santa Ana River Habitat Conservation Plan (regulatory document associated with Endangered Species Act).



Santa Ana Sucker Habitat Location

Total Benefits (Four Streams):

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



Santa Ana Sucker Status Update

- All tributaries cleared of encampments
- All tributaries have ongoing nonnative plant treatment
 - Over 2,000 palm trees have been treated across all sites
- Advertised for bids: May 28, 2024; bid opening: July 16, 2024.
 - All bids rejected August 20, 2024
- Moved forward using self-performance
- Clear and grub & 50% rough grading complete at Hidden Valley Creek
- Clear and grub, rough grading underway at Anza Creek
- Work ongoing at Lower Hole Creek and Old Ranch Creek



Purpose of Arundo Donax Removal

Removing it prevents:

Hazardous ignition source

“Crowding out” of important native plants

Altering flow regimes in surface waters (Santa Ana River)

Consumption of large volumes of water from Santa Ana River Watershed that could be used downstream*

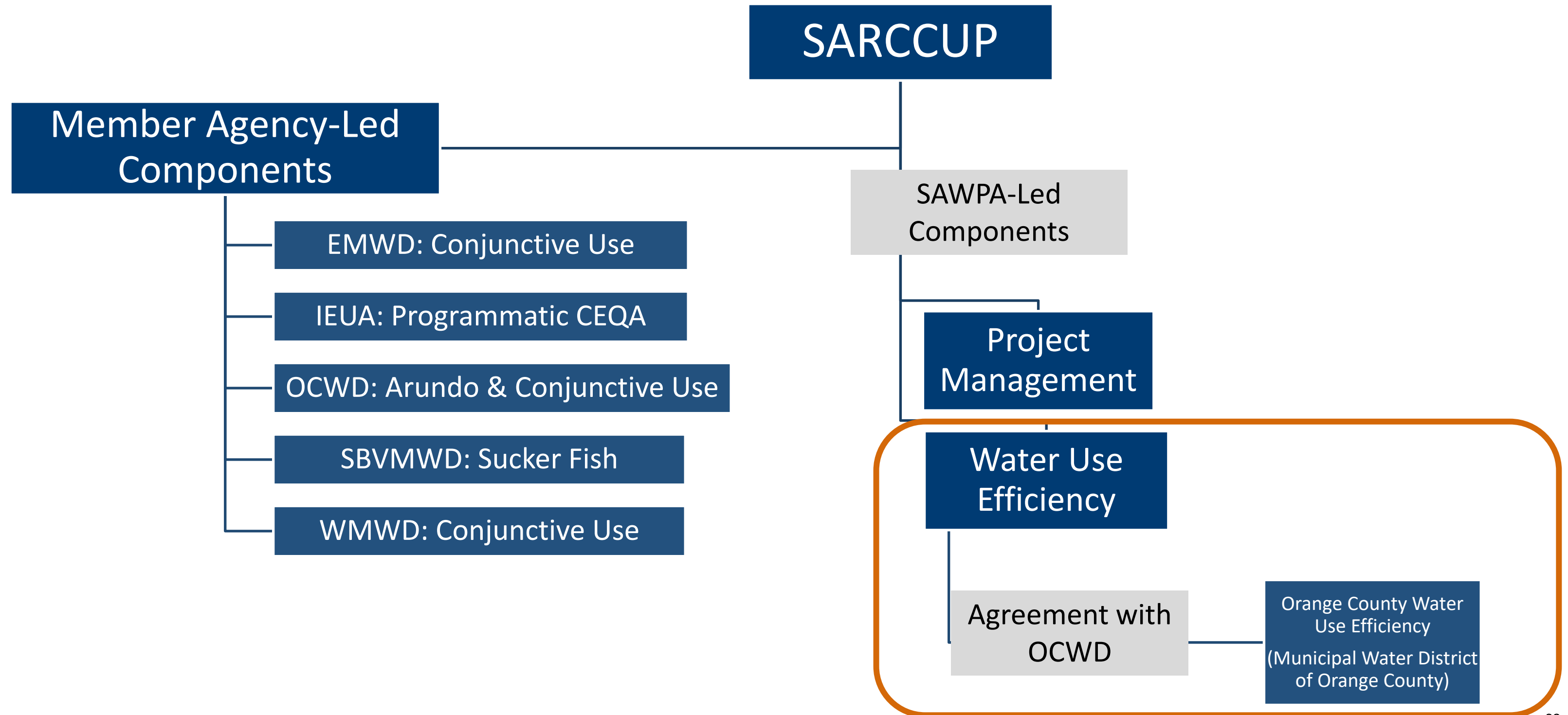




Arundo Donax Status Update

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

Water Use Efficiency Updates



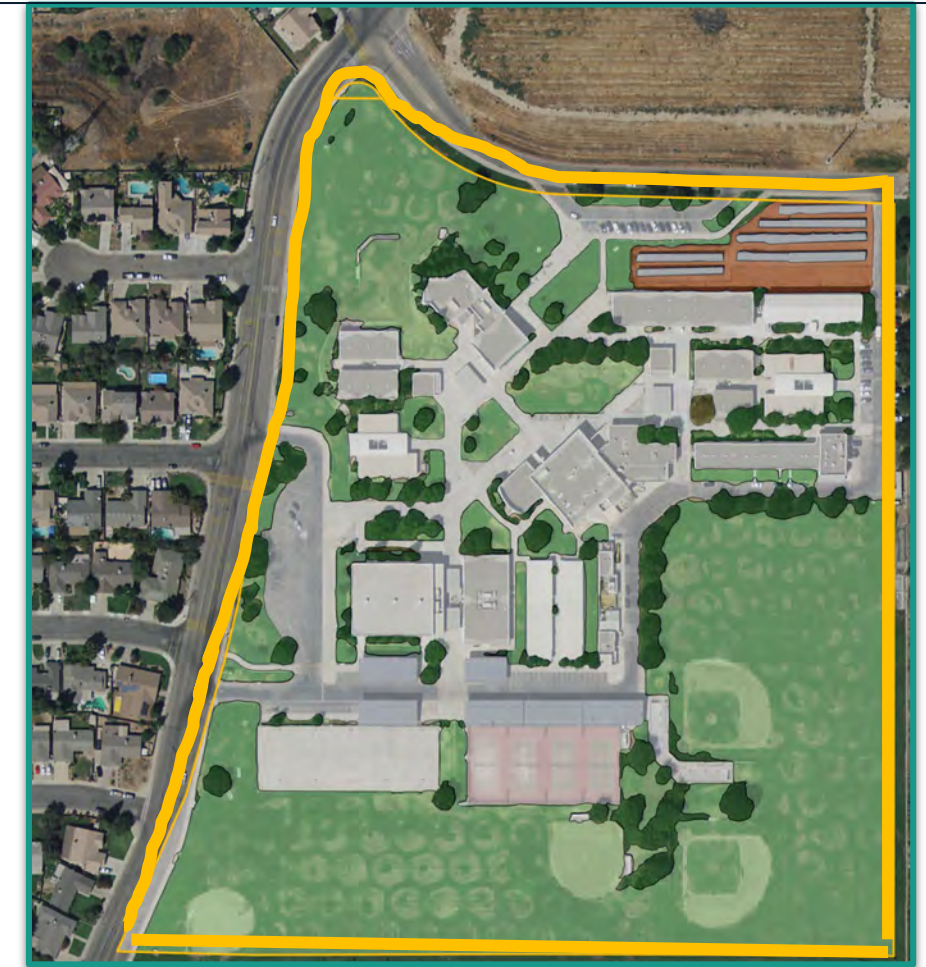
Purpose of Water Use Efficiency Implementation

- Work with retail water agencies in the watershed to create efficiency-based water budgets.
- Efficiency based budget deliverables provided to partners include landscape feature (trees, shrubs, etc.) measurement data and weather (evapotranspiration rate) information.
- Efficiency budgets provided over **1,200 acre-feet** over a three-year period (i.e. 400 AFY).

How the work was implemented:

- For the Upper Santa Ana River Watershed (Riverside and San Bernardino counties) SAWPA and consultant, NV5, partnered with eight retail water agencies.
- For Orange County, SAWPA has an agreement with OCWD who in turn has agreement with the Municipal Water District of Orange County (MWDOC).

Dedicated Landscape Meter Customer Example



Water Use Efficiency Implementation Status Update (Upper Watershed)

Retail Partner*	Efficiency Budgets Created	Official Start of Partnership	Deliverables Submitted to Partner
Chino Hills City	135	November 2021	August 2024
Hemet City	140	August 2021	November 2023
Jurupa Community Services District	408	May 2022	November 2023
Loma Linda City	107	March 2022	November 2023
Monte Vista Water District	168	June 2021	November 2023
Perris City	11	August 2021	April 2024
Riverside City	490	June 2021	November 2023
San Bernardino City	190	November 2021	January 2024
Total Dedicated Irrigation Meters Budgets Created	1,649		

*Per direction from SAWPA member agencies, two retailers per SAWPA member agency were to partner on this effort. With four member agencies in the Upper Watershed that led to 8 total partners.

Water Use Efficiency Implementation Status Update (Upper Watershed)

- Total efficiency budgets created was for 1,649 dedicated irrigation meter customers.
- Amounts different for retail partner due to the amount of usable customer data (i.e. with items like meter location and meter type) they were able to share with SAWPA consultant NV5.
- All retailers initially offered 190 customers.
- Some retailers able to do more, which SAWPA approved in certain circumstances when other retailers were determined to not have enough usable customer data.

Dedicated Landscape Meter Customer Example



Next Steps for Upper Watershed Partners



- Each retail partner* has access to WaterView Portal for the customers included in this project.
- This tool is custom designed to help water professionals meet the efficiency requirements established under the new long term California water conservation legislation, SB606 & AB1686.
- Eagle Aerial Solutions (a sub-contractor to NV5) is the portal developer.



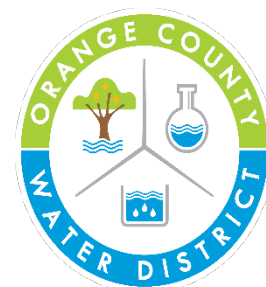
Images: Eagle Aerial Solutions

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**Except Perris as they had 11 customers with usable customer data and the cost to utilize WaterView CII per retailer was \$10,000.

Water Use Efficiency Implementation Status Update (Orange County)

- Utilized 2020, 3", 4-band aerial imagery through the Orange County Data Acquisition Partnership (OCDAP) to classify and measure dedicated irrigation meter (DIM) landscapes
- Cost-share model with OC retailers, Metropolitan, and SAWPA/OCWD
- Measured all landscapes associated with dedicated irrigation meters for participating retailers
 - Landscapes associated with nearly 6,000 meters across 12 water suppliers



Water Use Efficiency Implementation Status Update (Orange County)

💧 In addition to water budgets, data will assist water suppliers with the Making Conservation a CA Way of Life Framework

- 💧 Calculation of Urban Water Use Objective
- 💧 DIM Measurements required by July 2028

💧 Next Steps:

- 💧 Use DIM and DWR-provided data to identify mixed-use meters > ½ acre, per regulation
- 💧 Reconcile multi-family DWR-provided Residential LAM data



SARCCUP Next Steps

- For Project Management related-work, SAWPA is working with long-term SARCCUP consultant Woodard & Curran and the SAWPA member agency planning managers on a task order (contract) for the next fiscal year.
 - PA 23 approval of FYE 2026 budget
- SAWPA is working with the member agencies to complete the various grant-required reporting.
- WMWD is completing the groundwater well in Riverside-Arlington Basin.
- OCWD is working with Fullerton and Orange cities to complete their two SARCCUP wells.
- SBVMWD is working on their Sucker fish stream/tributaries (including Hidden Valley and Anza).
 - Recommendation for changes due to scheduling issues is covered in Amendment No. 6 PA 23 Committee Presentation.

Thank You

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