



S A W P A

SANTA ANA WATERSHED PROJECT AUTHORITY

11615 Sterling Avenue, Riverside, California 92503 • (951) 354-4220

PURSUANT TO THE PROVISIONS OF EXECUTIVE ORDER N-29-20 ISSUED BY GOVERNOR GAVIN NEWSOM, THIS MEETING WILL BE CONDUCTED VIRTUALLY. ALL VOTES TAKEN DURING THIS VIRTUAL MEETING WILL BE CONDUCTED BY ORAL ROLL CALL.

This meeting will be accessible as follows:

Meeting Access Via Computer (Zoom)*:	Meeting Access Via Telephone*:
<ul style="list-style-type: none"> • https://sawpa.zoom.us/j/93923803721 • Meeting ID: 939 2380 3721 	<ul style="list-style-type: none"> • 1 (669) 900-6833 • Meeting ID: 939 2380 3721
* Participation in the meeting via the Zoom app (a free download) is strongly encouraged	

AGENDA

TUESDAY, FEBRUARY 2, 2021 – 8:30 A.M.

REGULAR MEETING OF THE PROJECT AGREEMENT 23 COMMITTEE

Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

Committee Members

Eastern Municipal Water District	Inland Empire Utilities Agency
Paul D. Jones, General Manager	Director Jasmin A. Hall
	Shivaji Deshmuk, General Manager (Alt)
Orange County Water District	San Bernardino Valley Municipal Water District
Michael Markus, General Manager	Director Susan Lien Longville
Western Municipal Water District	
Director Brenda Dennstedt, Vice Chair	
Director Mike Gardner (Alt)	

- CALL TO ORDER | PLEDGE OF ALLEGIANCE (Brenda Dennstedt, Vice Chair)**
- 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).
- ELECTION OF COMMITTEE CHAIR AND VICE CHAIR (PA23#2021.1)..... 5**
Presenter: Rich Haller

4. **APPROVAL OF MEETING MINUTES: October 6, 2020** 11

Recommendation: Approve as posted.

5. **INFORMATIONAL REPORTS**

Recommendation: Receive and file the following oral/written reports/updates.

A. **SARCCUP Project Updates** 15

Presenter: SAWPA Member Agencies and SAWPA

B. **SARCCUP Detailed Schedule** 41

Presenter: Woodard & Curran

C. **SARCCUP Grant Payment Updates** 51

Presenter: SAWPA

D. **Metropolitan Water District of Southern California (MWDSC) Agreements | Update**

1. Operating Agreement

Presenter: EMWD

2. Cooperating Agreement

Presenter: SBVMWD

E. **Update on Sub-Agreement Amendments Between SAWPA and SAWPA Member Agencies**

Presenter: SAWPA

6. **COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS**

7. **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, Kelly Berry, CMC, Clerk of the Board of the Santa Ana Watershed Project Authority declare that on Wednesday, January 27, 2021, a copy of this agenda has been uploaded to the SAWPA website at www.sawpa.org and posted at SAWPA's office, 11615 Sterling Avenue, Riverside, California.

2021 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 2/2/21 Regular Committee Meeting	April 4/6/21 Regular Committee Meeting
June 6/1/21 Regular Committee Meeting	August 8/3/21 Regular Committee Meeting
October 10/5/21 Regular Committee Meeting	December 12/7/21 Regular Committee Meeting

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PA 23 COMMITTEE MEMORANDUM NO. 2021.1

DATE: February 2, 2021
TO: SAWPA Project Agreement 23 Committee
SUBJECT: Election of Committee Chair and Vice Chair
PREPARED BY: Rich Haller, General Manager

RECOMMENDATION

It is recommended that the Committee elect a Committee Chair and Vice Chair.

DISCUSSION

On February 5, 2019, the Project Agreement (PA) 23 Committee elected Kati Parker as Committee Chair and Brenda Dennstedt as Committee Vice Chair (Agenda Item No. 3 of the attached meeting minutes). Jasmin A. Hall has replaced Kati Parker as the IEUA representative. Staff accordingly recommends the Committee elect a Committee Chair and Vice Chair.

RESOURCE IMPACTS

None.

Attachment:

1. PA 23 Committee Meeting Minutes, February 5, 2019



PROJECT AGREEMENT 23 COMMITTEE
Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)
REGULAR MEETING MINUTES
February 5, 2019

COMMITTEE MEMBERS PRESENT

Kati Parker, Chair, Inland Empire Utilities Agency Board Governing Board
Brenda Dennstedt, Vice Chair, Western Municipal Water District Board Governing Board (8:25 a.m.)
Susan Lien Longville, San Bernardino Valley Municipal Water District Governing Board
Paul D. Jones, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]

None.

COMMITTEE MEMBERS ABSENT

None.

MEMBER AGENCY STAFF PRESENT

Eastern Municipal Water District
Brian Powell

Inland Empire Utilities Agency
Jason Pivovaroff
Joshua Aguilar

Orange County Water District
None

San Bernardino Valley Municipal Water District
Bob Tincher

Western Municipal Water District
Craig Miller
Ryan Shaw

Santa Ana Watershed Project Authority
Mark Norton
Karen Williams
Larry McKenney
Dean Unger
Ian Achimore
Kelly Berry

OTHERS PRESENT

Woodard & Curran: Brian Dietrick | Scott Goldman

1. CALL TO ORDER

The regular meeting of the PA 23 Committee was called to order at 8:34 a.m. by Acting Chair Parker at the Santa Ana Watershed Project Authority, 11615 Sterling Avenue, Riverside, California.

2. PUBLIC COMMENTS

There were no public comments.

3. ELECTION OF CHAIR AND VICE CHAIR

Committee Member Longville nominated Kati Parker to serve as Chair of the PA 23 Committee, which was seconded by Committee Member Markus.

MOVED, appoint Kati Parker Chair of the PA 23 Committee.

Result:	Adopted (Unanimously)
Motion/Second:	Longville/Markus
Ayes	Dennstedt, Parker, Longville, Jones, Markus
Nays:	None
Abstentions:	None
Absent:	None

Committee Member Jones nominated Brenda Dennstedt to serve as Vice Chair of the PA 23 Committee, which was seconded by Chair Parker.

MOVED, appoint Brenda Dennstedt Vice Parker Chair of the PA 23 Committee.

Result:	Adopted (Unanimously)
Motion/Second:	Jones/Parker
Ayes	Dennstedt, Parker, Longville, Jones, Markus
Nays:	None
Abstentions:	None
Absent:	None

4. APPROVAL OF MEETING MINUTES: December 4, 2018

Chair Parker and Committee Members Longville and Dennstedt stated they were not present at the on December 4, 2018 would accordingly abstain from voting. Chair Parker inquired of legal counsel if committee members not present at the meeting could vote to approve the meeting minutes. Larry McKenney advised that a committee member can vote on the meeting minutes whether or not they were in attendance; a vote approving is simply confirming review of the minutes and affirming that they accurately reflect what occurred at the meeting. Committee Member Jones affirmed the accuracy of the meeting minutes. Vice Chair Dennstedt noted confirmation of accuracy from WMWD staff in the audience who were present December 4, 2018.

MOVED, approve the December 4, 2018 meeting minutes.

Result:	Adopted (Unanimously)
Motion/Second:	Markus/Jones
Ayes	Dennstedt, Parker, Longville, Jones, Markus
Nays:	None
Abstentions:	None
Absent:	None

5. INFORMATIONAL REPORTS

A. SARCCUP OVERVIEW AND CURRENT STATUS UPDATE FOR NEW COMMITTEE MEMBERS

Bob Tincher, SBVMWD, provided a PowerPoint presentation with an overview and current status of SARCCUP. There are three elements of SARCCUP: habitat improvement, water use efficiency, and groundwater banking. Total project cost is \$162,313,632; \$55,000,000 is Proposition 84 grant funding and \$107,313,632 is local matching funds. Local matching funds are proportioned based on the project partner's benefit/use of the facilities. SARCCUP storage volume will be greater than Lake Perris, Big Bear Lake, or Lake Silverwood.

PA 23 Committee governs the conjunctive use and habitat restoration aspects of SARCCUP and the PA 22 Committee governs water use efficiency through the construction phase. Following construction, an operations committee comprised of SAWPA member agency representatives will govern operation of the facilities.

The final SARCCUP project will be brought before the Committee in spring or summer of 2019 – final projects, storage volume and locations, and a breakdown of grant funding and matching funds.

Committee Member Longville requested additional information on the Smartscape program – when the services will be available and how they can be acquired. Ian Achimore noted he would provide a list of participating agencies within SBVMWD. Vice Chair Dennstedt asked what is planted in place of the removed Arundo to deter erosion and was advised native vegetation is abundant in these areas and quickly overgrows the areas.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.A.

B. SARCCUP DETAILED SCHEDULE

Brian Dietrick, Woodard & Curran referenced the SARCCUP detailed schedule contained in the agenda packet (pages 7-14). There was no discussion.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.B.

C. SARCCUP CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) STATUS

Joshua Aguilar, IEUA, provided an oral report on the joint Environmental Impact Report (EIR). The draft EIR was published in November 2018; the public review period closed December 2018. They are on schedule for consideration by IEUA in February and then by OCWD and WMWD in March.

Bob Tincher, SBVMWD, advised their draft EIR will be released in March with the final expected in June.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.C.

D. METROPOLITAN WATER DISTRICT AGREEMENT STATUS

Brian Powell, EMWD, noted they are in the process of developing a term sheet and will be meeting with MWD in the future; the term sheet will be the basis of an agreement when the parties are in concurrence.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.D.

E. SARCCUP PROPOSITION 84 GRANT AGREEMENT AMENDMENT AND SUB-AGREEMENTS

Mark Norton provided an oral report. Amendment No. 1. was prepared and submitted to DWR for consideration; DWR is in the process of signing. Staff is now working on Amendment No. 2.

WMWD adopted their sub-agreement in November 2018 and it incorporates this latest DWR amendment. SBVMWD adopted their sub-agreement in April 2017, and they are currently updating the grant funding portion and removing certain conjunctive use facilities. EMWD adopted in March 2017, and they are currently updating the grant funding portion which is under review by their legal counsel. OCWD and IEUA adoption is scheduled for April 2019, as they await conclusion of the joint CEQA process. Orange County Coastkeeper adopted their sub-agreement in November 2017.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 5.E.

6. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

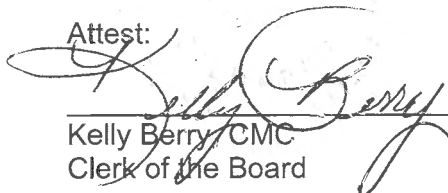
Committee Member Jones requested for next meeting and as we move forward with the MWD term sheet/agreement that we have an overview of the terms and conditions for the committee members given its importance in the overall SARCCUP process. He stressed the importance of a status update and briefing before the full agreement is brought before the committee for consideration.

7. ADJOURNMENT

There being no further business for review, Chair Parker adjourned the meeting at 9:16 a.m.

Approved at a Regular Meeting of the Project Agreement 23 Committee on Tuesday, April 2, 2019.


Kati Parker, Chair

Attest:

Kelly Berry, CMC
Clerk of the Board

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PROJECT AGREEMENT 23 COMMITTEE
Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)
REGULAR MEETING MINUTES
October 6, 2020

COMMITTEE MEMBERS PRESENT

Kati Parker, Chair, Inland Empire Utilities Agency Governing Board
Brenda Dennstedt, Vice Chair, Western Municipal Water District Governing Board
Paul D. Jones, Eastern Municipal Water District General Manager
Michael Markus, Orange County Water District General Manager

ALTERNATE COMMITTEE MEMBERS PRESENT [Non-Voting]

None.

COMMITTEE MEMBERS ABSENT

Susan Lien Longville, San Bernardino Valley Municipal Water District Governing Board

MEMBER AGENCY STAFF PRESENT

Eastern Municipal Water District
Brian Powell

San Bernardino Valley Municipal Water District
Bob Tincher
Chris Jones
Matthew Howard

Inland Empire Utilities Agency
Shivaji Deshmukh
Joshua Aguilar

Western Municipal Water District
Craig Miller
Ryan Shaw
Jason Pivovaroff

Orange County Water District
Greg Woodside
Adam Hutchinson

Santa Ana Watershed Project Authority
Rich Haller
Karen Williams
Mark Norton
Dean Unger
Carlos Quintero
David Ruhl
Ian Achimore
Kelly Berry

OTHERS PRESENT

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

1. CALL TO ORDER

The regular meeting of the PA 23 Committee was called to order at 8:34 a.m. by Chair Parker. Pursuant to the provisions of Governor Newsom's Executive Order N-29-30, this meeting was conducted virtually. Members of the public who were unable to participate by teleconference or virtually were invited to submit comments and questions in writing via email for the Committee's consideration. All votes taken during this meeting were conducted via oral roll call.

2. **PUBLIC COMMENTS**

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

3. **APPROVAL OF MEETING MINUTES: August 4, 2020**

MOVED, approve the August 4, 2020 meeting minutes.

Result:	Adopted by Roll Call Vote (Unanimously)
Motion/Second:	Jones/Dennstedt
Ayes	Dennstedt, Jones, Markus, Parker
Nays:	None
Abstentions:	None
Absent:	Longville

4. **COMMITTEE DISCUSSION ITEMS**

A. **SARCCUP Project Updates**

The SARCCUP Project Updates PowerPoint presentation contained in the agenda packet on pages 11 – 33 was provided as follows:

- Brian Powell, EMWD – Mountain Avenue West Recharge Facility
- Adam Hutchinson, OCWD – Arundo Removal and Orange County Groundwater Wells
- Jason Pivovarov, WMWD – Sterling Pump Station and La Sierra Pipeline
- Chris Jones, SBVMWD – Tributary Restoration Projects
 - Hidden Valley Creek Restoration
 - Anza Creek Restoration
 - Lower Hole Creek Restoration
 - Old Ranch Creek Restoration
 - Santa Ana Tributaries Habitat Structures
- Ian Achimore, SAWPA – Water Use Efficiency Budget Assistance Task

This item was for informational purposes; no action was taken on Agenda Item No. 4.A.

B. **SARCCUP Detailed Schedule**

Brian Dietrick, Woodard & Curran, reviewed the SARCCUP detailed schedule contained in the agenda packet on pages 35 – 43.

This item was for informational purposes; no action was taken on Agenda Item No. 4.B.

C. **SARCCUP Grant Payment Updates**

Ian Achimore provided a PowerPoint presentation contained in the agenda packet on pages 45 – 48.

This item was for informational purposes; no action was taken on Agenda Item No. 4.C.

D. **Metropolitan Water District of Southern California (MWDSC) Agreements | Update**

Brian Powell, EMWD, provided a PowerPoint presentation contained in the agenda packet on pages 49 – 58 with an overview, status, and update of the MWD-SARCCUP Agreement.

Bob Tincher, SBVMWD, provided an oral status report on the Cooperating Operating Agreement which should be finalized within the next month.

This item was for informational purposes; no action was taken on Agenda Item No. 4.D.

E. Update On Sub-Agreement Amendments Between SAWPA and SAWPA Member Agencies

Ian Achimore provided an oral status report on the Sub-Agreement Amendments between SAWPA and SAWPA Member Agencies; anticipated completion by December 2020.

This item was for informational purposes; no action was taken on Agenda Item No. 4.E.

5. COMMITTEE MEMBER REQUESTS FOR FUTURE AGENDA ITEMS

There were no requests for future agenda items.

6. ADJOURNMENT

There being no further business for review, Chair Parker adjourned the meeting at 9:30 a.m.

Approved at a Regular Meeting of the Project Agreement 23 Committee on Tuesday, February 2, 2021.

_____, Chair

Attest:

Kelly Berry, CMC
Clerk of the Board

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SARCCUP

SARCCUP Project Updates

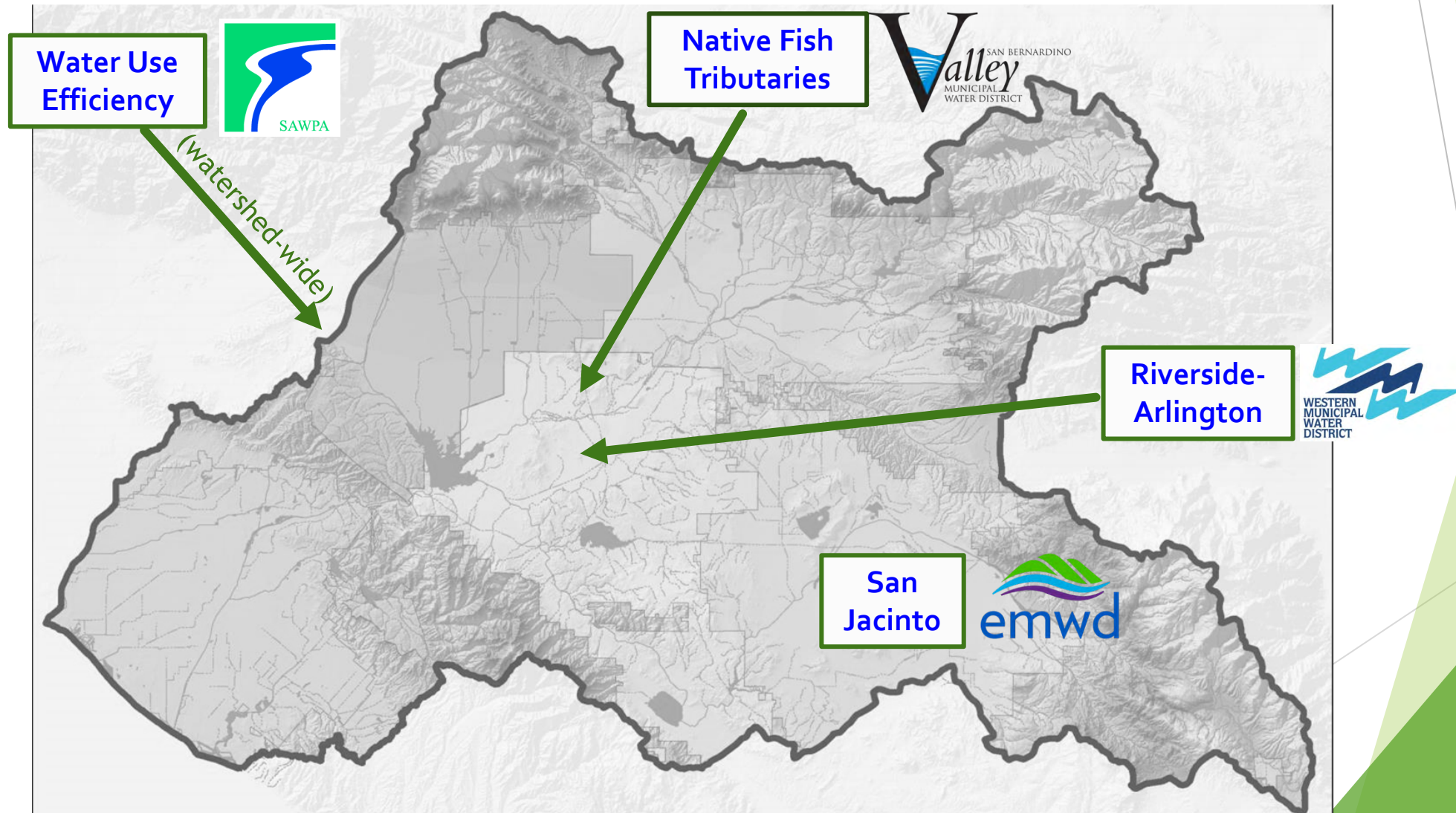
SAWPA Member Agencies & SAWPA

PA 23 Committee | February 2, 2021

Item No. 5.A.



SARCCUP Project Update Locations





EMWD Updates

San Jacinto Groundwater Basin Facilities

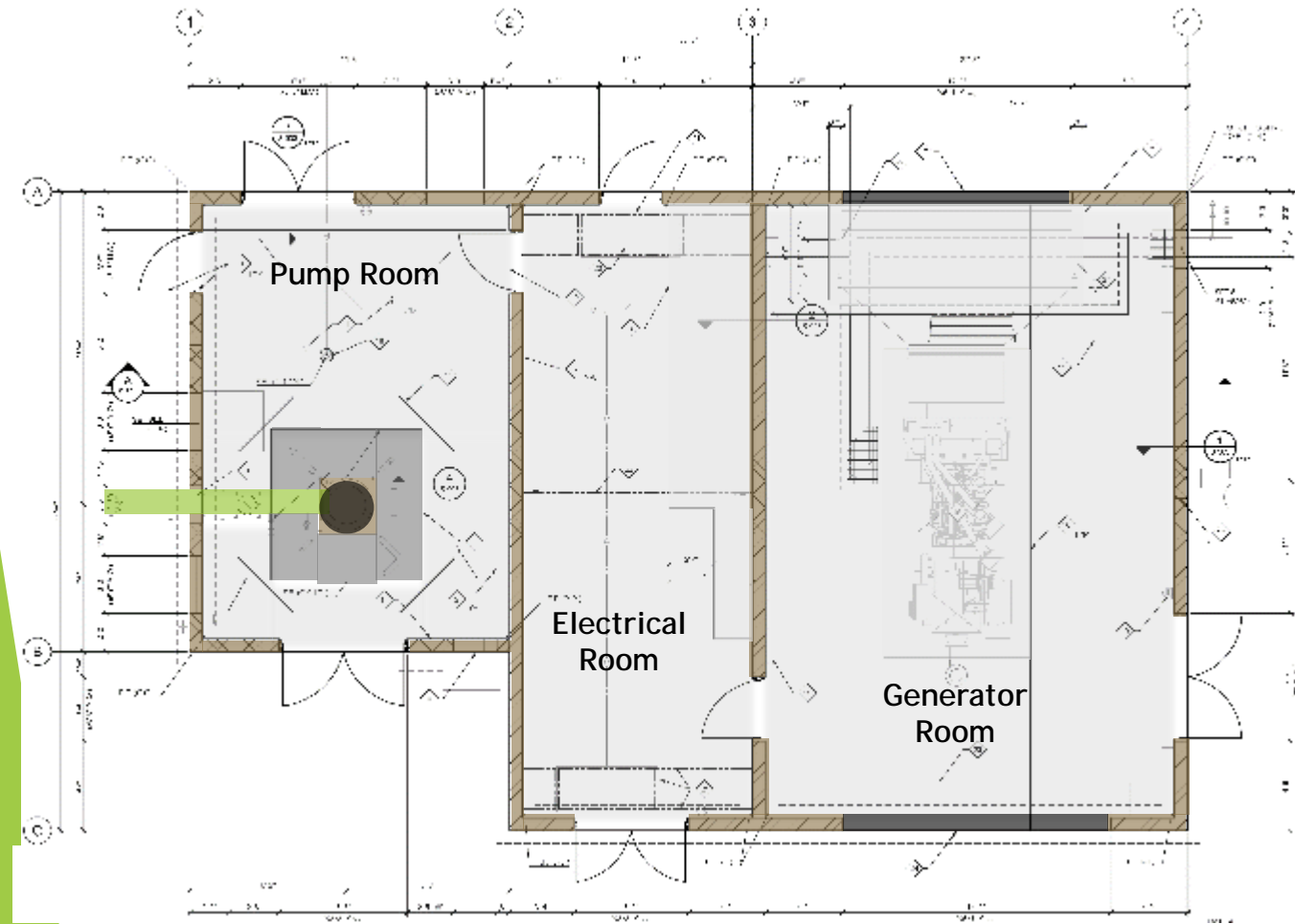
February 2021

Wells 201, 202, & 203 Phase 1B Conveyance Pipelines



- ▶ Board Approved Construction Award on December 2, 2020
- ▶ 1-year construction contract
- ▶ Pre-Construction Meeting held on December 10, 2020
- ▶ Advancing with preliminary submittals.

Wells 201, 202, 203, & 205 Equipping



- 100% Comments returned to Design Engineer
- Design Amendment for architectural color board and wall profile design
- Awaiting Encroachment Permit Approval - City of San Jacinto
- Temporary construction easements in process for shared walls on P/L
- Well 203 drainage easement in process
- Bid February 2021
- O&E April 2021
- Board May 2021

Mountain Avenue West - Construction Progress

- Drilling and development of all eight small monitoring wells and three large multipoint monitoring wells is complete.
- Construction of well completion monuments is ongoing.
- Mechanical piping construction is ongoing.
- Soil cement placement on basin sides
- Driveways, perimeter fencing, and SCE enclosure construction



Raw Water Inlet Piping

Mountain Avenue West - Construction Progress

Play video

Mountain Avenue West - Construction Progress



Aerial Site View

Mountain Avenue West - Construction Progress



Distribution Basin and Outlet Control Facilities

Monitoring Wells Installation



Drill Rig and Sound Walls



Monitoring Well MP-01

Monitoring Wells Installation



Shallow Monitoring Well



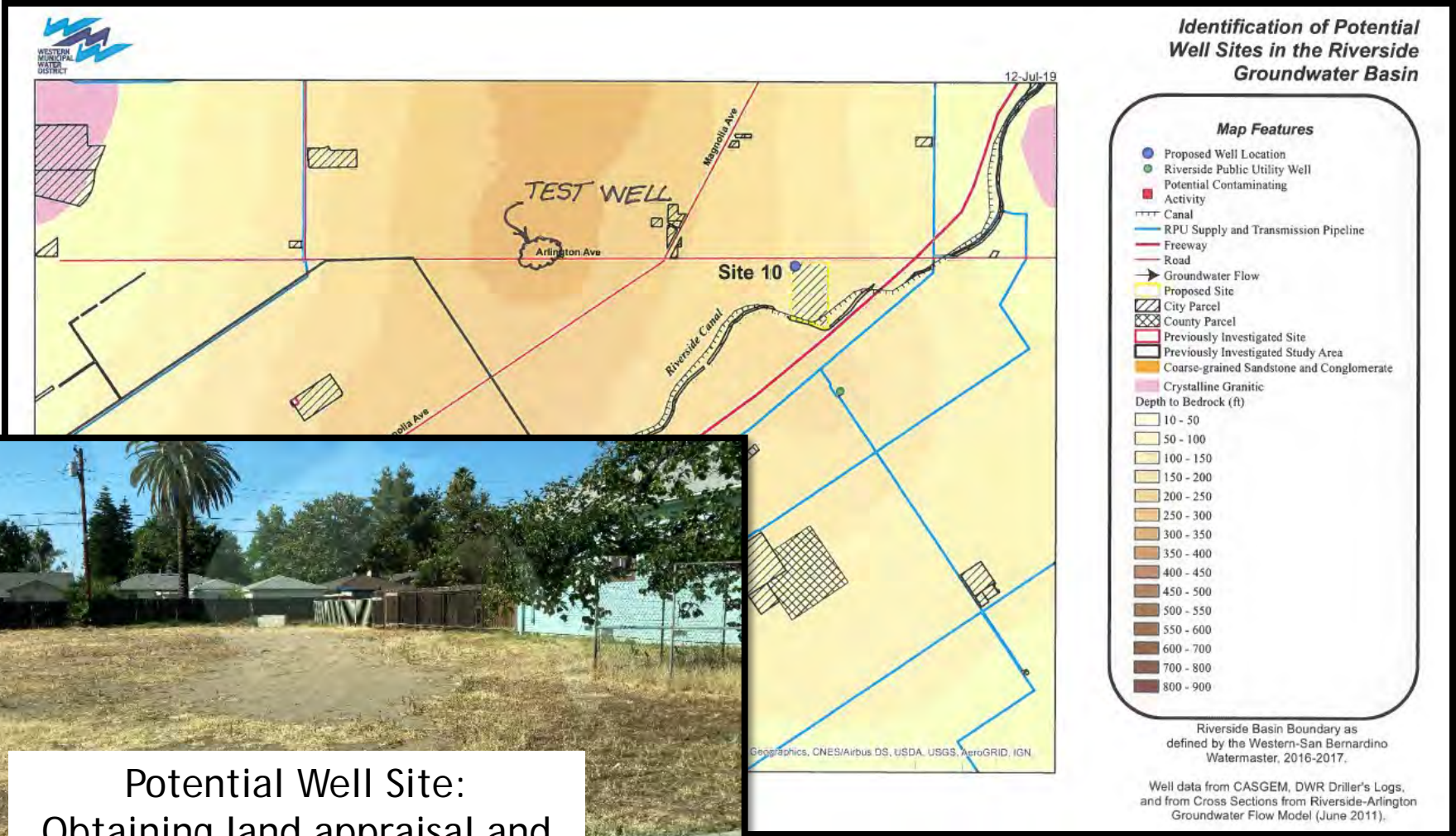
Monitoring Well MP-03

WMWD Updates



Sterling Pump Station, Cannon Pump Station and Riverside-Arlington Basin Well

Riverside-Arlington Basin Well

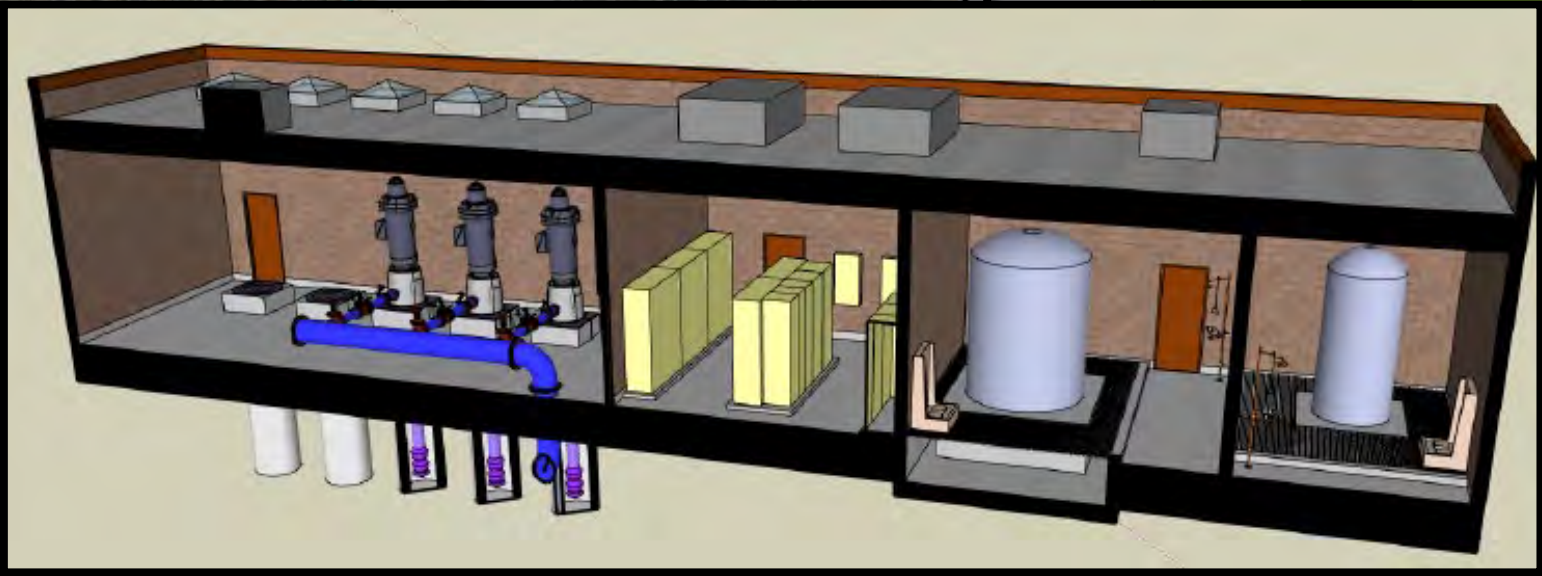


Potential Well Site:
Obtaining land appraisal and drafting scope for test drilling

Cannon Campbell Pump Station



Design report submitted and under review



Sterling Pump Station



Startup and testing underway, along with repairs to faulty equipment



SBVMWD Updates

Native Fish Habitat Tributaries



Tributary Restoration Projects

▶ Phased Implementation

- ▶ Phase 1: Hidden Valley and Anza Creeks
 - ▶ Working towards 90% Design Package
 - ▶ Land Appraisals Underway
 - ▶ Site Preparation Underway
 - ▶ Seed Collection and Plant Propagation Underway
 - ▶ Construction: Fall 2021 - Fall 2022
 - ▶ Start Monitoring and Adaptive Management: Fall 2022
- ▶ Phase 2: Lower Hole and Old Ranch Creeks
 - ▶ 30% Designs
 - ▶ Construction: Fall 2022 - Fall 2023
 - ▶ Start Monitoring and Adaptive Management: Fall 2023

- CEQA
 - Completed for all four restoration sites
- Permitting
 - Phase 1 Sites
 - LSAA (CDFW): Operation of Law (Op Law)
 - Section 401 Compliance (RWQCB)
 - Anza: Complete
 - Hidden Valley: In progress
 - CWA Section 404 Compliance (USACE)
 - Section 7 Federal ESA Consultation Initiated with USFWS
 - Phase 2 Sites
 - After Phase 1 Site permits are obtained

Tributary Restoration Projects



Anza Creek Site in need of restoration
(Nov 29, 2018)



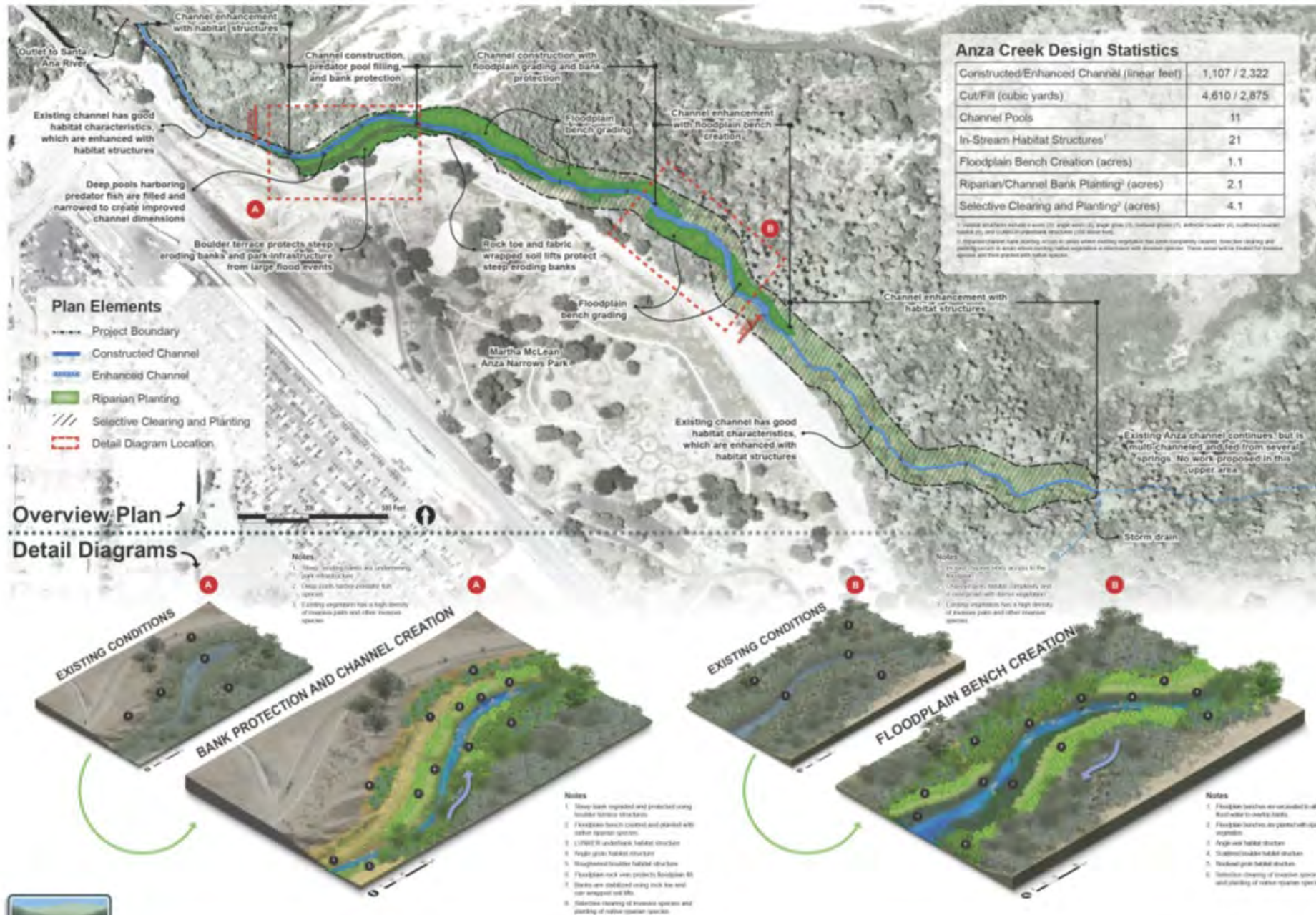
Old Ranch Creek Site after recent fire
(Feb 2, 2020)

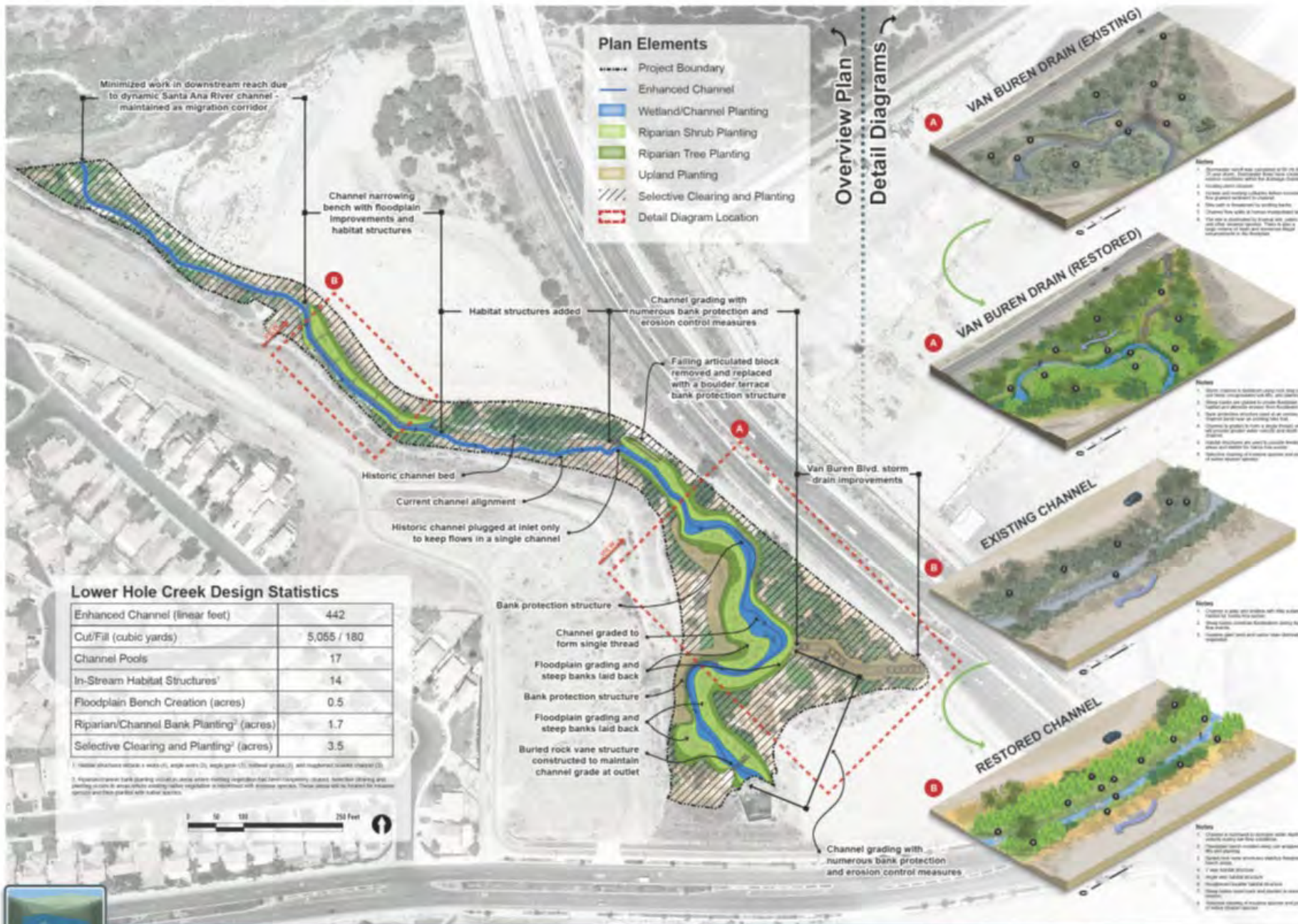


Overview Plan
Detail Diagrams



Hidden Valley Creek Restoration
San Bernardino Valley Municipal Water District





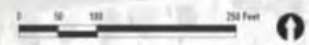
- Plan Elements**
- Project Boundary
 - Enhanced Channel
 - Wetland/Channel Planting
 - Riparian Shrub Planting
 - Riparian Tree Planting
 - Upland Planting
 - /// Selective Clearing and Planting
 - Detail Diagram Location

Overview Plan
Detail Diagrams

Lower Hole Creek Design Statistics

Enhanced Channel (linear feet)	442
Cut/Fill (cubic yards)	5,055 / 180
Channel Pools	17
In-Stream Habitat Structures ¹	14
Floodplain Bench Creation (acres)	0.5
Riparian/Channel Bank Planting ² (acres)	1.7
Selective Clearing and Planting ² (acres)	3.5

¹ Habitat structures include: weirs (1), single weirs (2), single gate (3), ballast gates (4), and megalotank weirs (5).
² Riparian bank planting includes: shrub areas (including vegetation that have naturally colonized, natural clearing and planting) as well as areas where existing native vegetation is supplemented with native species. These areas will be treated for erosion control and fire protection with rubber mulch.



Lower Hole Creek Restoration
San Bernardino Valley Municipal Water District



Old Ranch Creek Design Statistics

Constructed/Enhanced Channel (linear feet)	3,870 / 3,144
Cut/Fill (cubic yards)	6,320 / 963
Channel Pools	28
In-Stream Habitat Structures ¹	84
Floodplain Bench Creation (acres)	0.6
Riparian/Channel Bank Planting ² (acres)	2.5
Selective Clearing and Planting ² (acres)	12.2

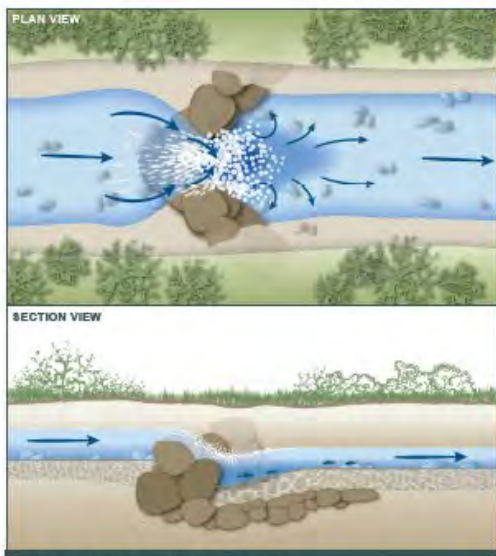
¹ Habitat structure includes: 1) rock weirs, 2) log weirs, 3) log racks, 4) log bridges, 5) brush piles, 6) brush dams, 7) brush structures, 8) brush structures, 9) brush structures, 10) brush structures, 11) brush structures, 12) brush structures, 13) brush structures, 14) brush structures, 15) brush structures, 16) brush structures, 17) brush structures, 18) brush structures, 19) brush structures, 20) brush structures, 21) brush structures, 22) brush structures, 23) brush structures, 24) brush structures, 25) brush structures, 26) brush structures, 27) brush structures, 28) brush structures, 29) brush structures, 30) brush structures, 31) brush structures, 32) brush structures, 33) brush structures, 34) brush structures, 35) brush structures, 36) brush structures, 37) brush structures, 38) brush structures, 39) brush structures, 40) brush structures, 41) brush structures, 42) brush structures, 43) brush structures, 44) brush structures, 45) brush structures, 46) brush structures, 47) brush structures, 48) brush structures, 49) brush structures, 50) brush structures, 51) brush structures, 52) brush structures, 53) brush structures, 54) brush structures, 55) brush structures, 56) brush structures, 57) brush structures, 58) brush structures, 59) brush structures, 60) brush structures, 61) brush structures, 62) brush structures, 63) brush structures, 64) brush structures, 65) brush structures, 66) brush structures, 67) brush structures, 68) brush structures, 69) brush structures, 70) brush structures, 71) brush structures, 72) brush structures, 73) brush structures, 74) brush structures, 75) brush structures, 76) brush structures, 77) brush structures, 78) brush structures, 79) brush structures, 80) brush structures, 81) brush structures, 82) brush structures, 83) brush structures, 84) brush structures, 85) brush structures, 86) brush structures, 87) brush structures, 88) brush structures, 89) brush structures, 90) brush structures, 91) brush structures, 92) brush structures, 93) brush structures, 94) brush structures, 95) brush structures, 96) brush structures, 97) brush structures, 98) brush structures, 99) brush structures, 100) brush structures.

² Riparian/Channel Bank Planting includes: 1) native riparian species, 2) native riparian species, 3) native riparian species, 4) native riparian species, 5) native riparian species, 6) native riparian species, 7) native riparian species, 8) native riparian species, 9) native riparian species, 10) native riparian species, 11) native riparian species, 12) native riparian species, 13) native riparian species, 14) native riparian species, 15) native riparian species, 16) native riparian species, 17) native riparian species, 18) native riparian species, 19) native riparian species, 20) native riparian species, 21) native riparian species, 22) native riparian species, 23) native riparian species, 24) native riparian species, 25) native riparian species, 26) native riparian species, 27) native riparian species, 28) native riparian species, 29) native riparian species, 30) native riparian species, 31) native riparian species, 32) native riparian species, 33) native riparian species, 34) native riparian species, 35) native riparian species, 36) native riparian species, 37) native riparian species, 38) native riparian species, 39) native riparian species, 40) native riparian species, 41) native riparian species, 42) native riparian species, 43) native riparian species, 44) native riparian species, 45) native riparian species, 46) native riparian species, 47) native riparian species, 48) native riparian species, 49) native riparian species, 50) native riparian species, 51) native riparian species, 52) native riparian species, 53) native riparian species, 54) native riparian species, 55) native riparian species, 56) native riparian species, 57) native riparian species, 58) native riparian species, 59) native riparian species, 60) native riparian species, 61) native riparian species, 62) native riparian species, 63) native riparian species, 64) native riparian species, 65) native riparian species, 66) native riparian species, 67) native riparian species, 68) native riparian species, 69) native riparian species, 70) native riparian species, 71) native riparian species, 72) native riparian species, 73) native riparian species, 74) native riparian species, 75) native riparian species, 76) native riparian species, 77) native riparian species, 78) native riparian species, 79) native riparian species, 80) native riparian species, 81) native riparian species, 82) native riparian species, 83) native riparian species, 84) native riparian species, 85) native riparian species, 86) native riparian species, 87) native riparian species, 88) native riparian species, 89) native riparian species, 90) native riparian species, 91) native riparian species, 92) native riparian species, 93) native riparian species, 94) native riparian species, 95) native riparian species, 96) native riparian species, 97) native riparian species, 98) native riparian species, 99) native riparian species, 100) native riparian species.

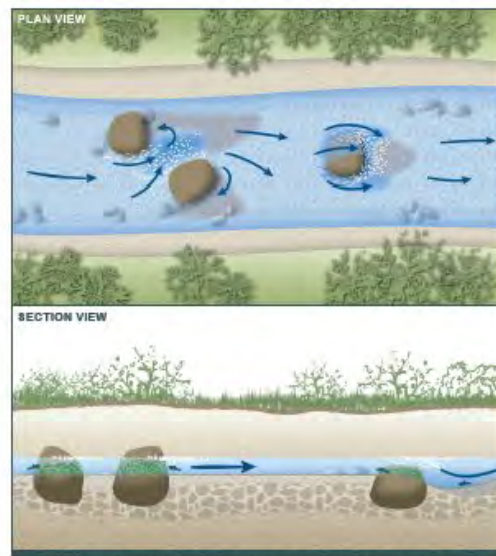
Overview Plan

Detail Diagrams

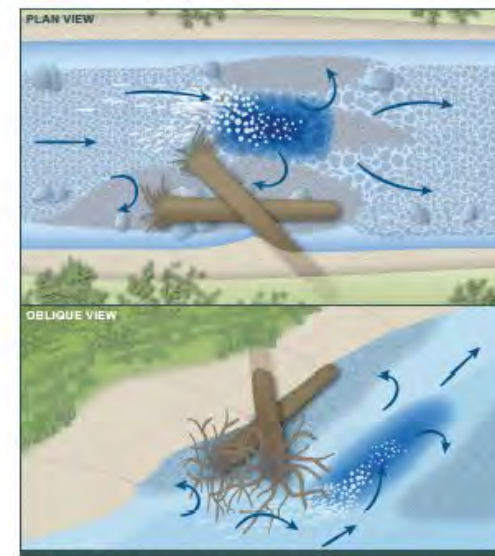




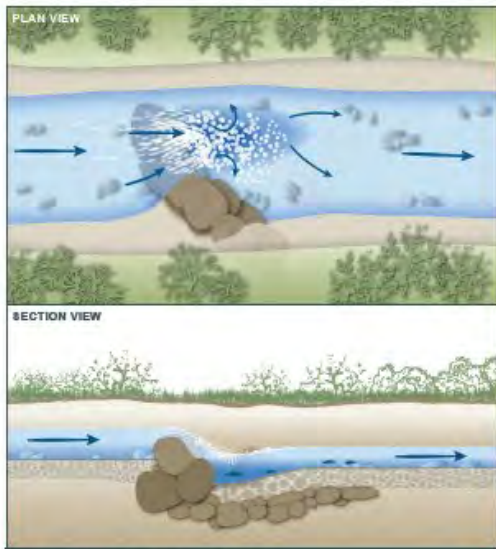
CENTER WEIR PLUNGE POOL



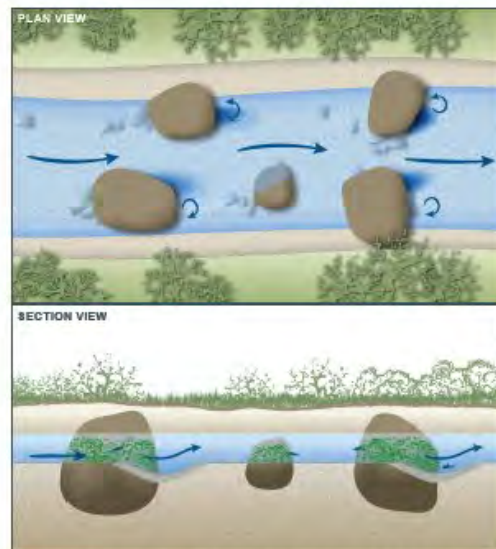
BOULDER-ROUGHENED RIFFLE/RUN HABITAT



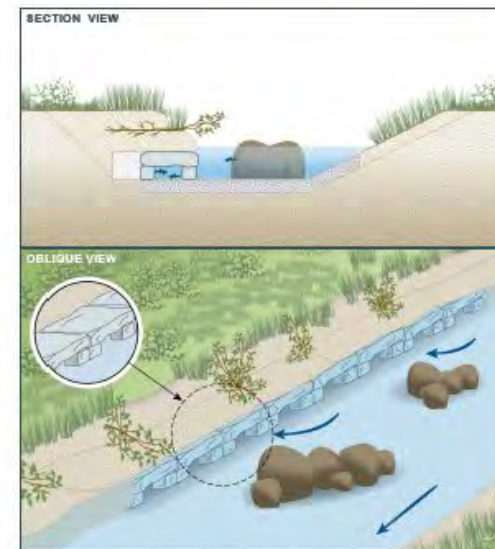
ROOT WAD GROIN SCOUR POOL



ANGLE WEIR PLUNGE POOL



SCATTERED BOULDERS IN SLACKWATER POOLS



LUNKER UNDERBANK HABITAT STRUCTURE



SAWPA Updates



Water Use Efficiency Budget Assistance Task

Purpose of Task

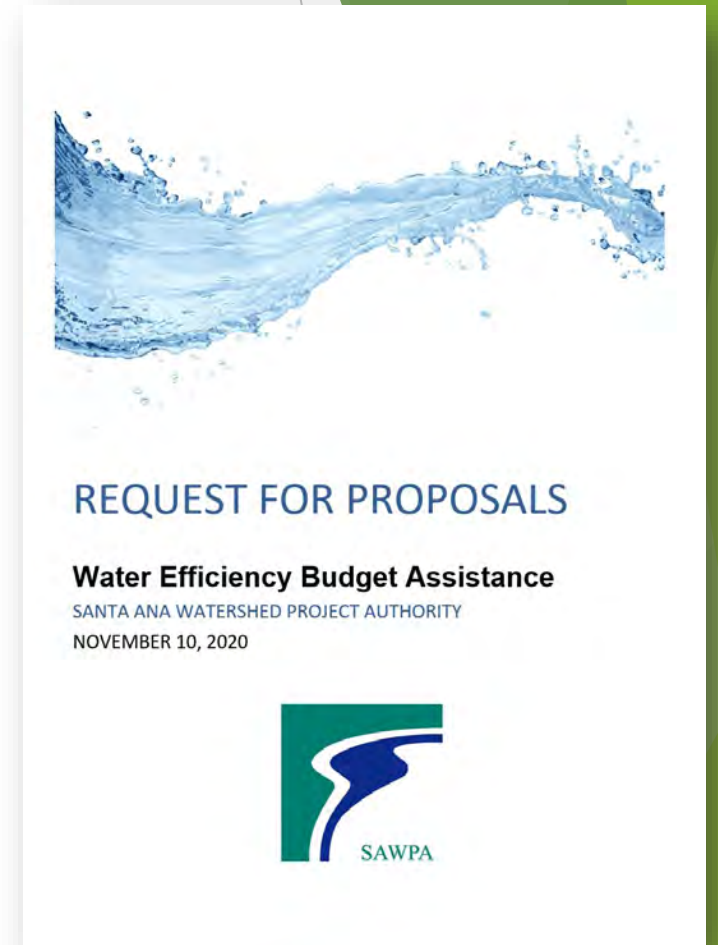
1. Help 5 to 10 retail agencies comply with State regulations that require water agencies to adhere to agency-wide water budgets (Senate Bill 606 and Assembly Bill 1668);
2. Provide 5 to 10 retail agencies with budgets to prepare them to eventually study/adopt conservation-based rates; and
3. Provide 5 to 10 retail agencies with information to target other water use efficiency programs to inefficient water users.

SARCCUP
Water Budget
Assistance
Task



Latest Progress

- ▶ November 2020: Request for Proposals (RFP) for consultant contract,
- ▶ January 2021: Negotiating with consultant,
- ▶ February 2021: Recommended consultant contract to PA 22 Committee,
- ▶ February/March 2021: Begin formal recruiting of up to 10 retail water agencies.

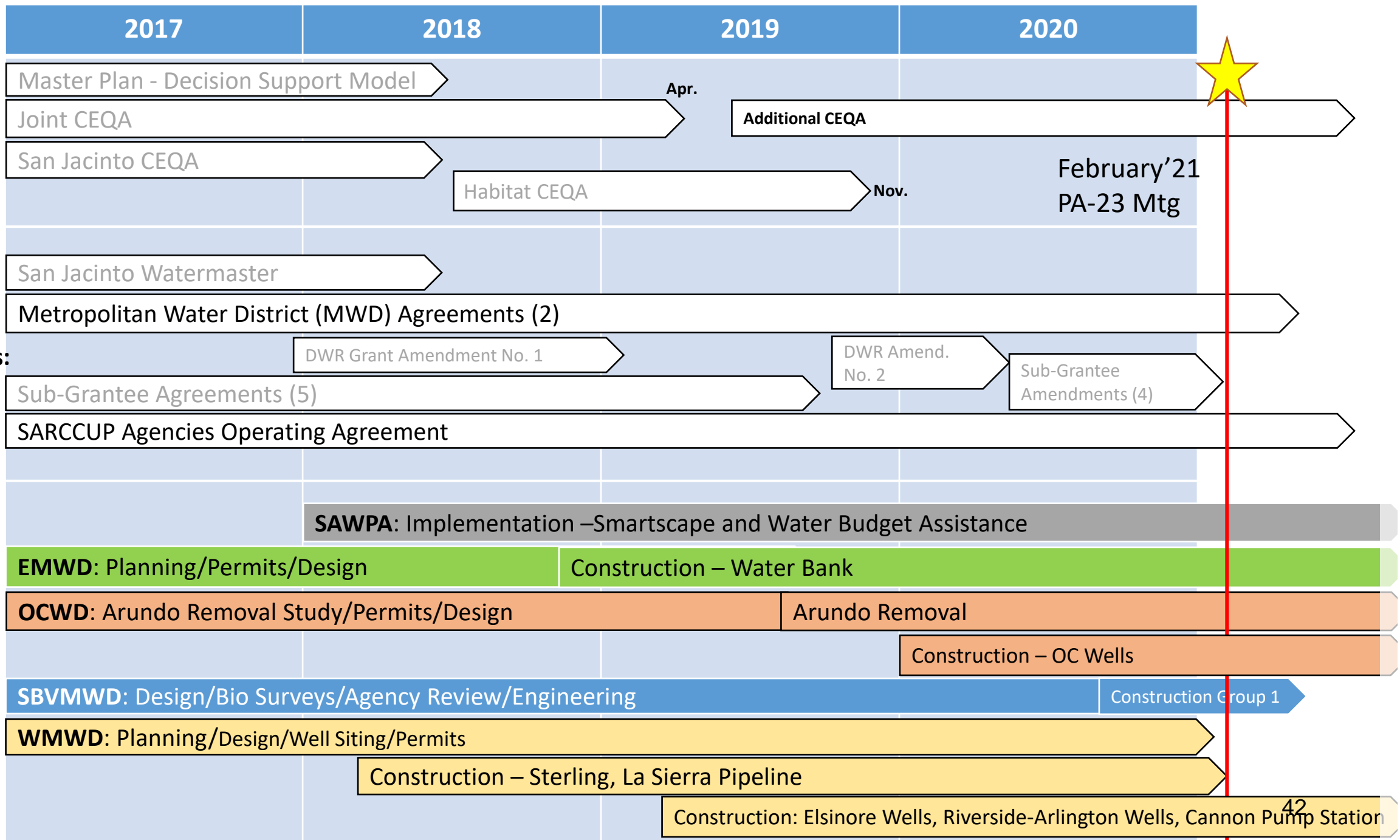


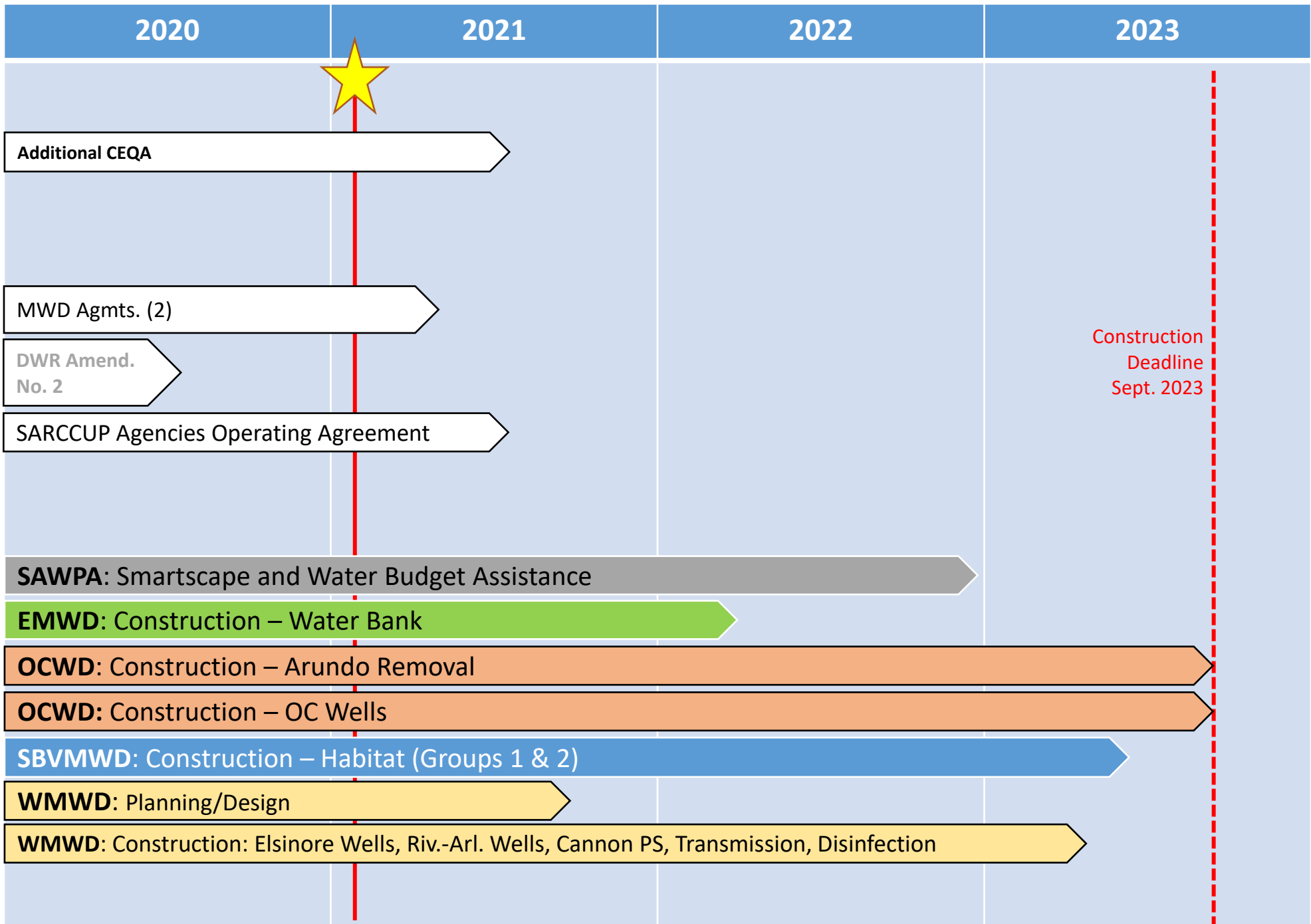


SARCCUP Schedule

Brian Dietrick, Woodard & Curran
PA 23 Committee | February 2, 2021
Item No. 5.B.

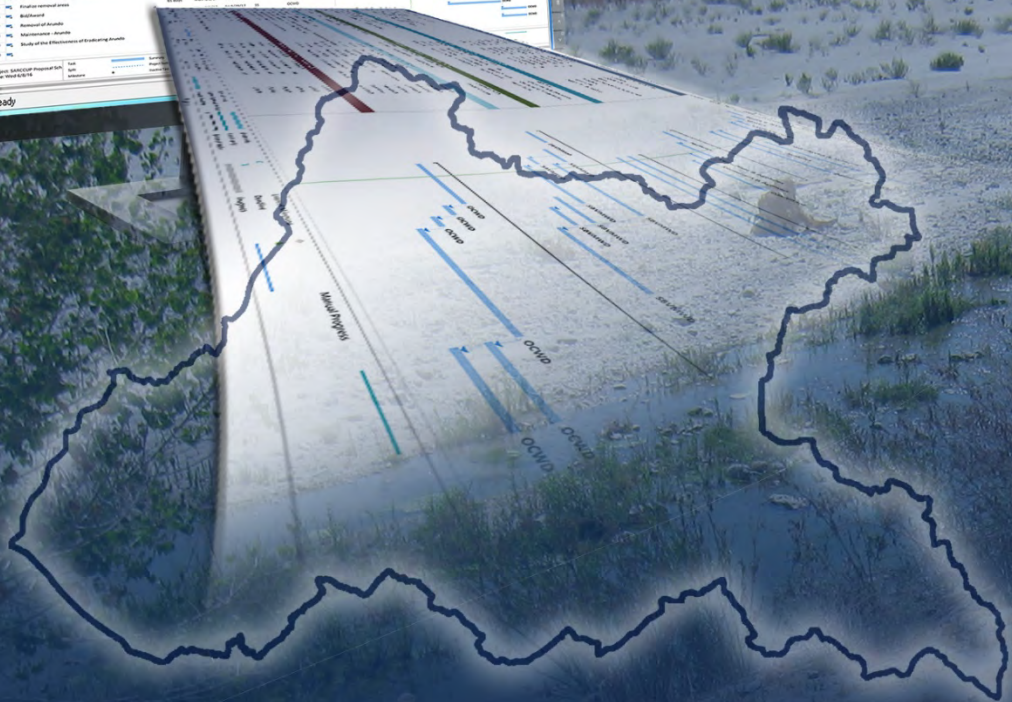
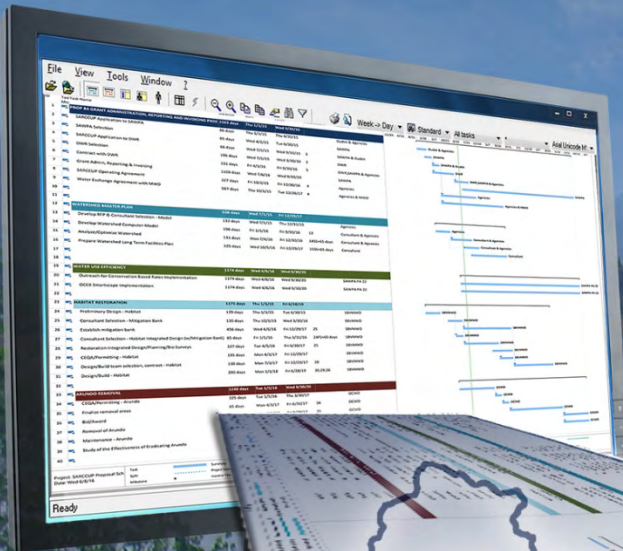


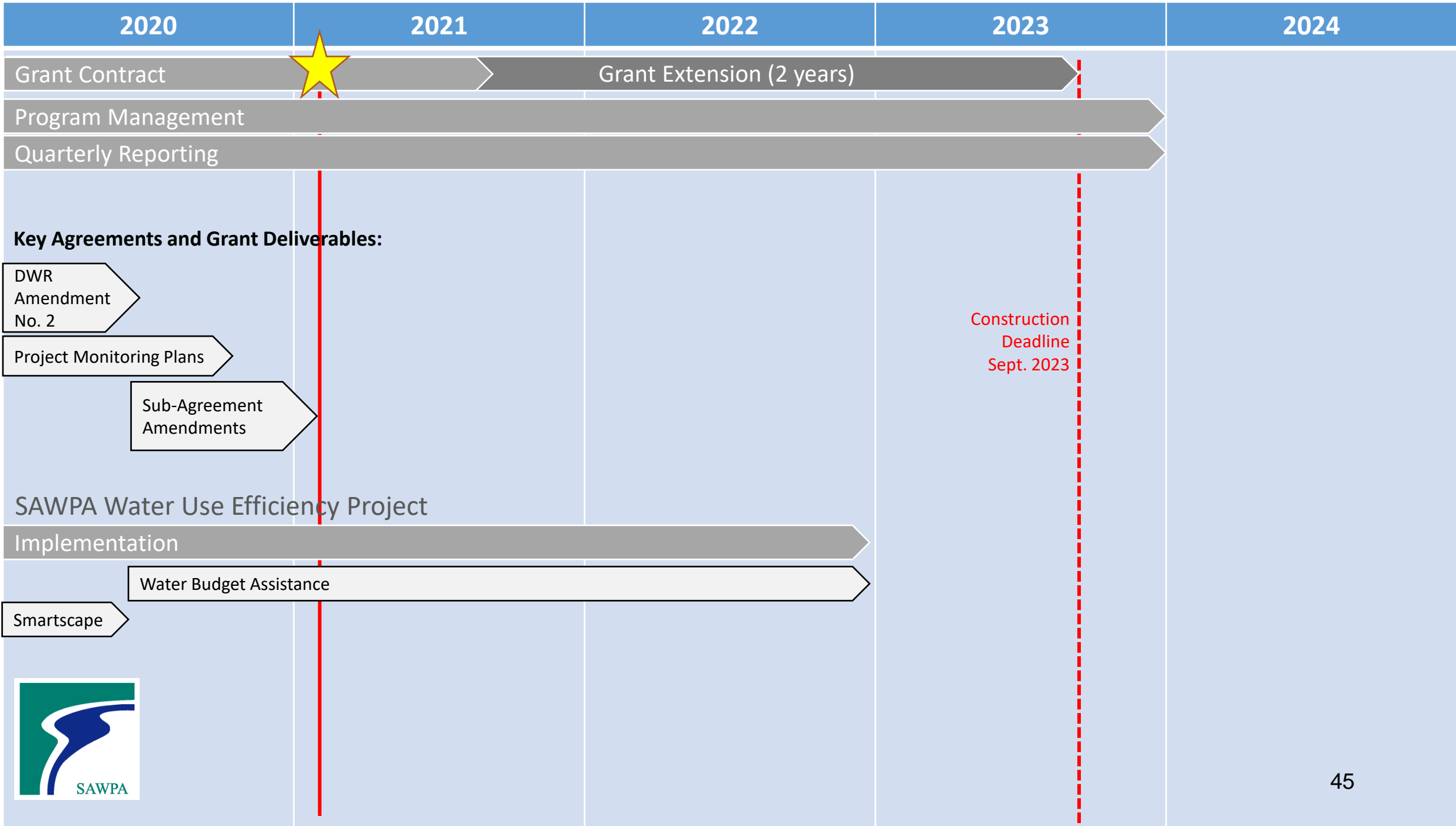




Construction
Deadline
Sept. 2023

2020-2023 Agency Slides





DWR Amendment No. 2

Project Monitoring Plans

Sub-Agreement Amendments

Construction Deadline Sept. 2023

SAWPA Water Use Efficiency Project

Implementation

Water Budget Assistance

Smartscape



2020	2021	2022	2023	2024
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Grant Contract → Grant Extension (2 years)

EMWD Conjunctive Use Project

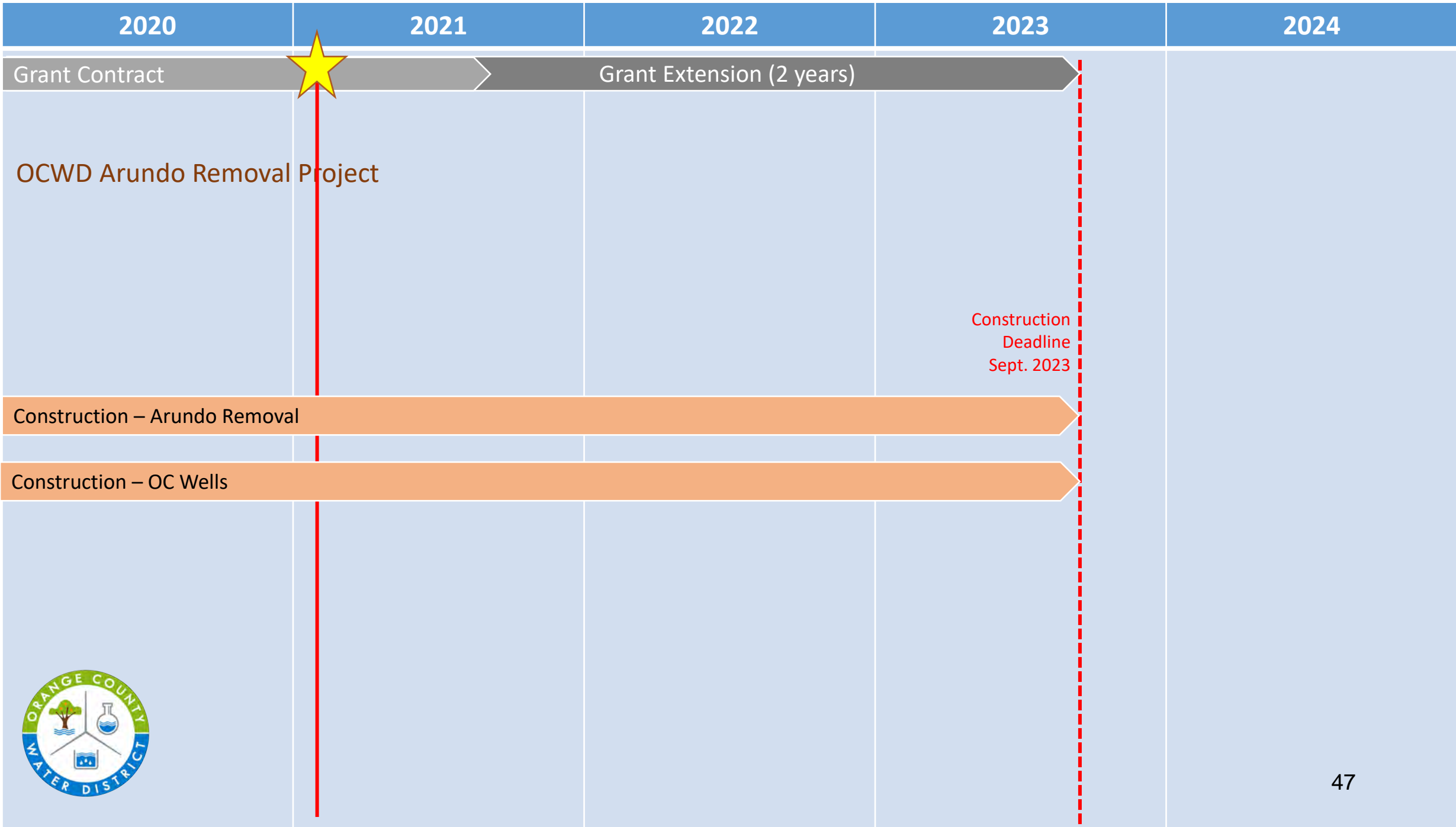
Construction

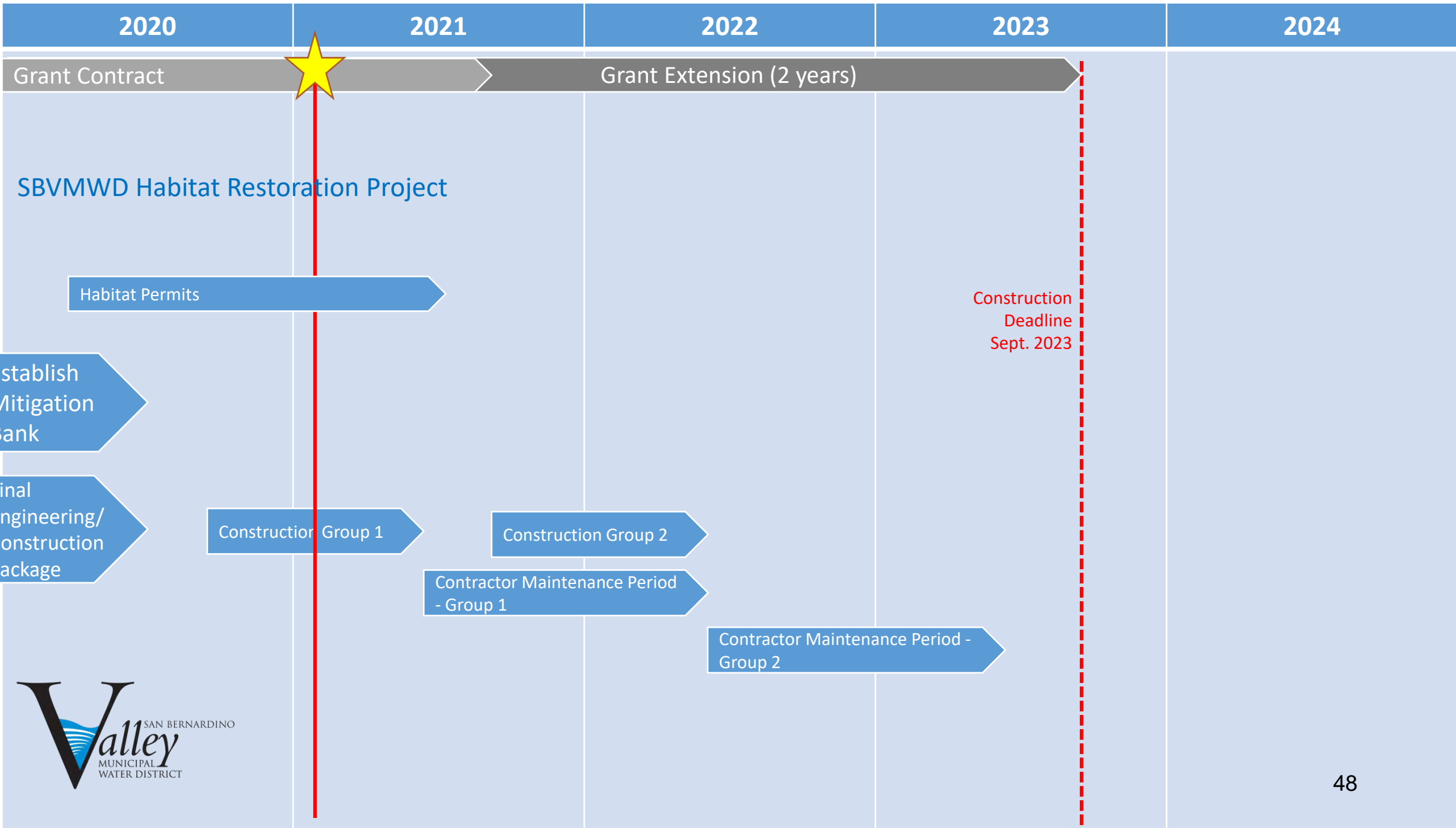
Mountain Avenue West Recharge Fac.

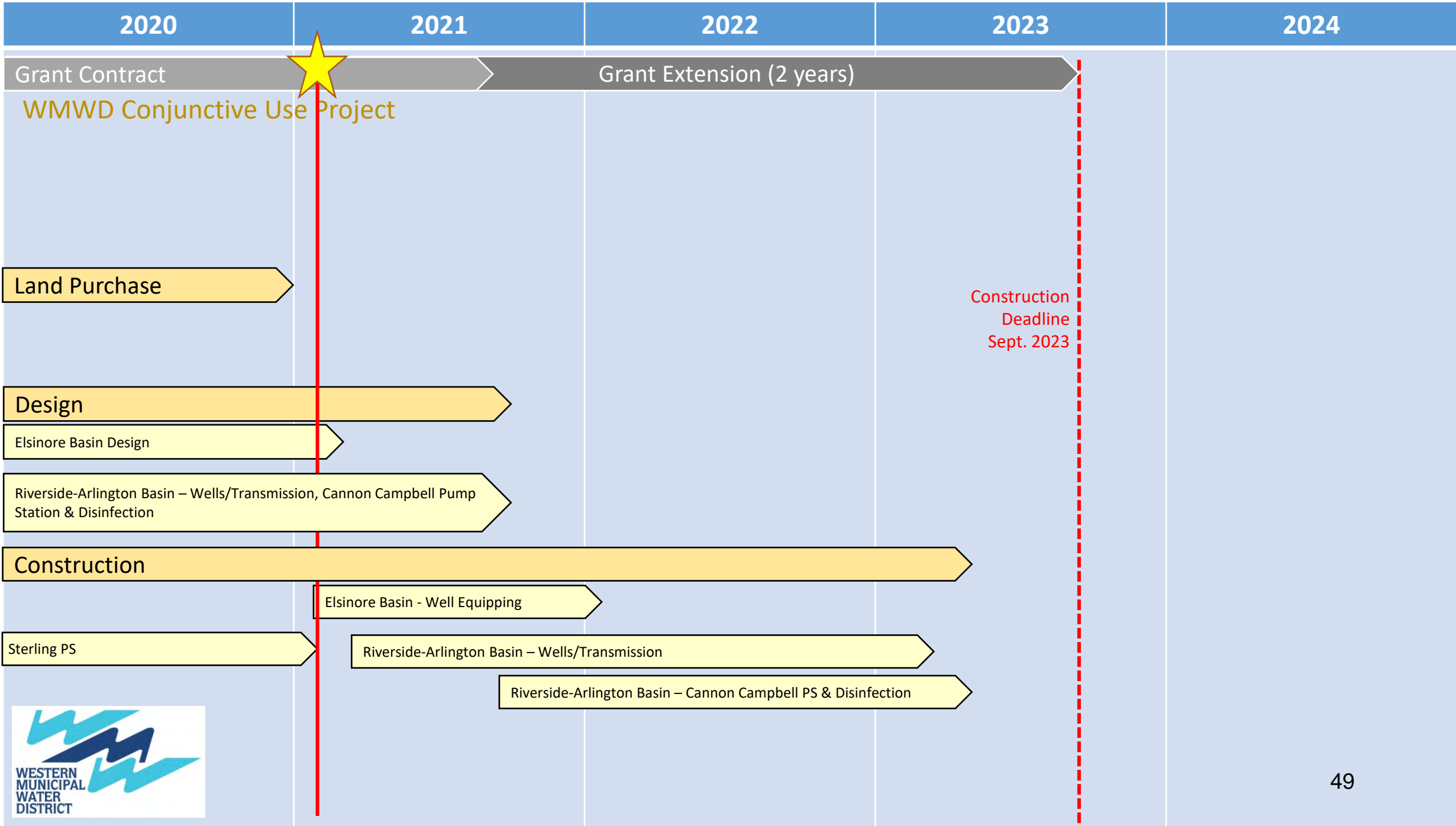
Well Equipping, Discharge Pipelines, Three Wells

Construction Deadline
Sept. 2023









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SARCCUP Grant Payment Updates

Mark Norton, Water Resources and
Planning Manager

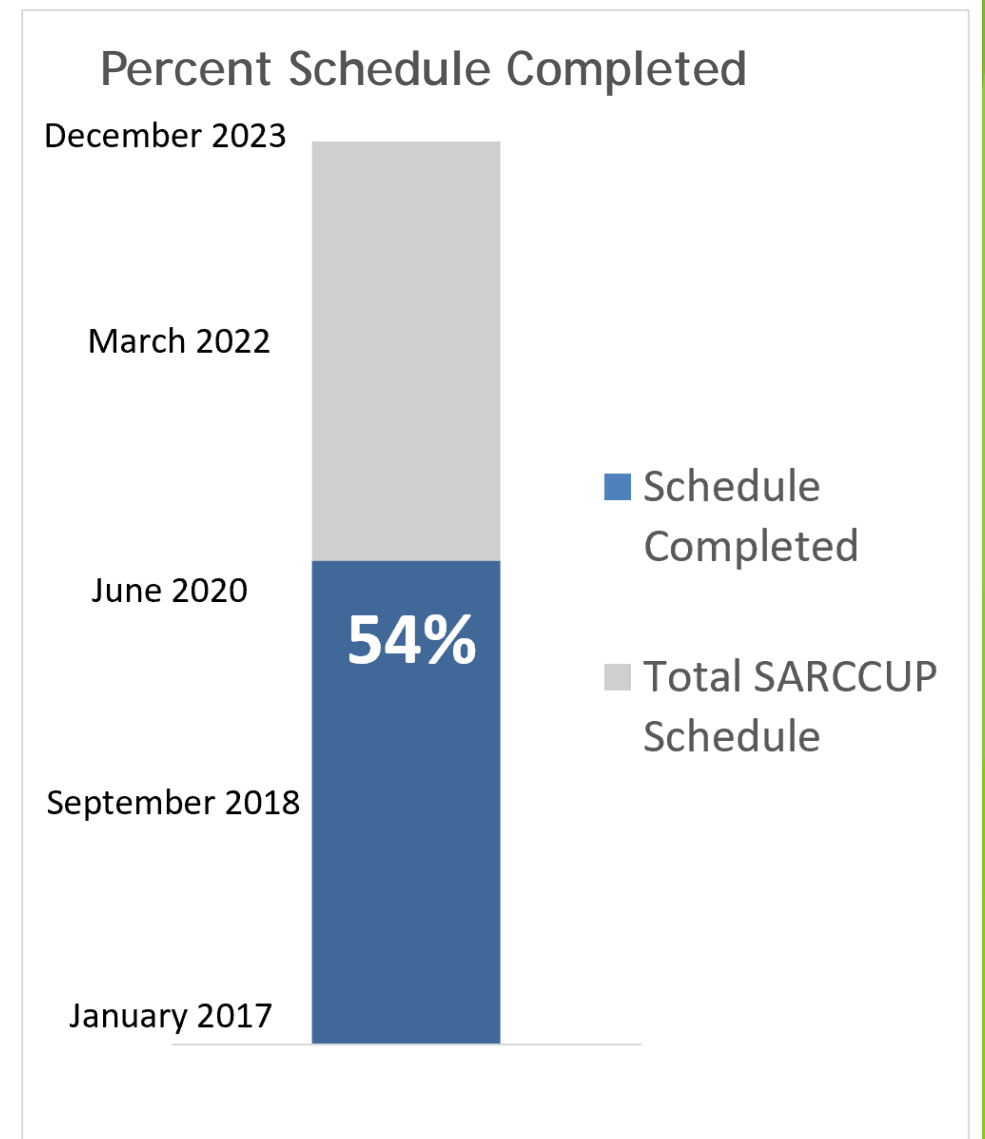
PA 23 Committee | February 2, 2021

Item No. 5.C.

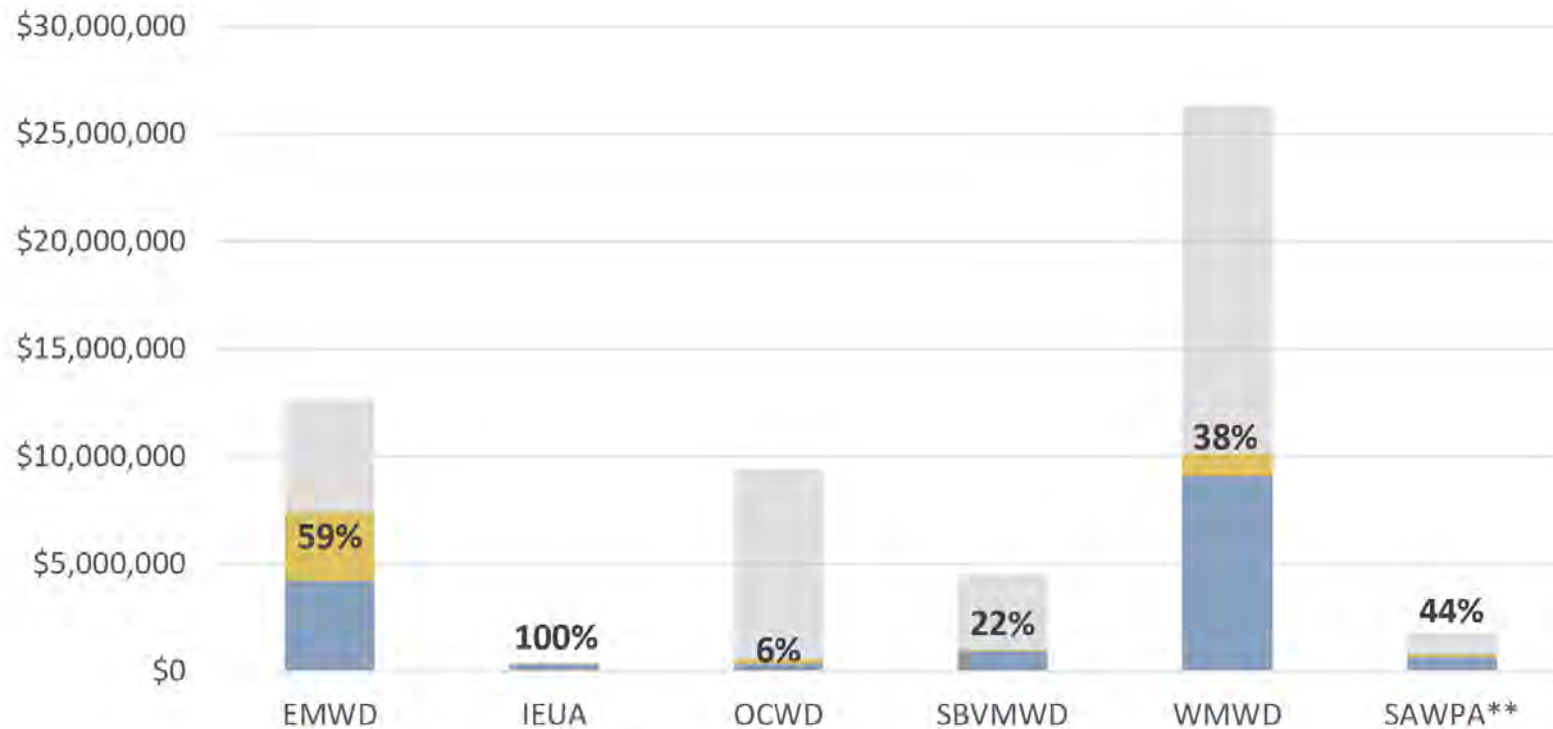


Background on Grant

- ▶ 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 2 and October 1, 2019 Committee meetings, which were incorporated into the amendment with DWR.
- ▶ Amounts shown in this presentation reflect invoices submitted through **September 30, 2020** (latest invoices received at time of publishing this agenda packet).
- ▶ As of September 30, 2020, the amount of grant invoiced is 37% of the total \$55M grant.



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



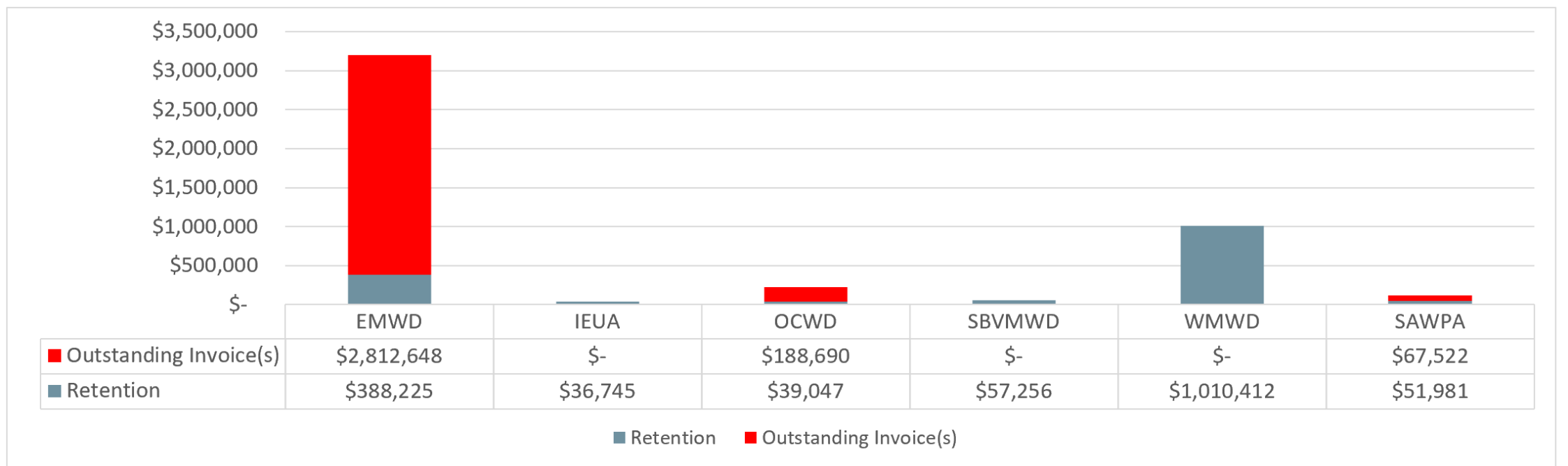
Notes:

*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	\$4,226,531	\$330,706	\$351,425	\$942,516	\$9,101,422	\$667,747
Total Outstanding Grant Payments*	\$3,200,872	\$36,745	\$227,738	\$57,256	\$1,010,412	\$119,503
Total Grant (DWR Amendment No. 2)	\$12,621,835	\$367,968	\$9,368,344	\$4,565,932	\$26,283,723	\$1,792,199

More Detail on Outstanding Grant Payments (Through September 30, 2020)



Notes:

- Retention will be withheld by DWR until complete invoicing of overall SARCCUP Project (scheduled for December 2023).
- Last paid invoice from DWR was for reimbursing expenses incurred by SARCCUP agencies through December 31, 2019.