

SARCCUP Schedule

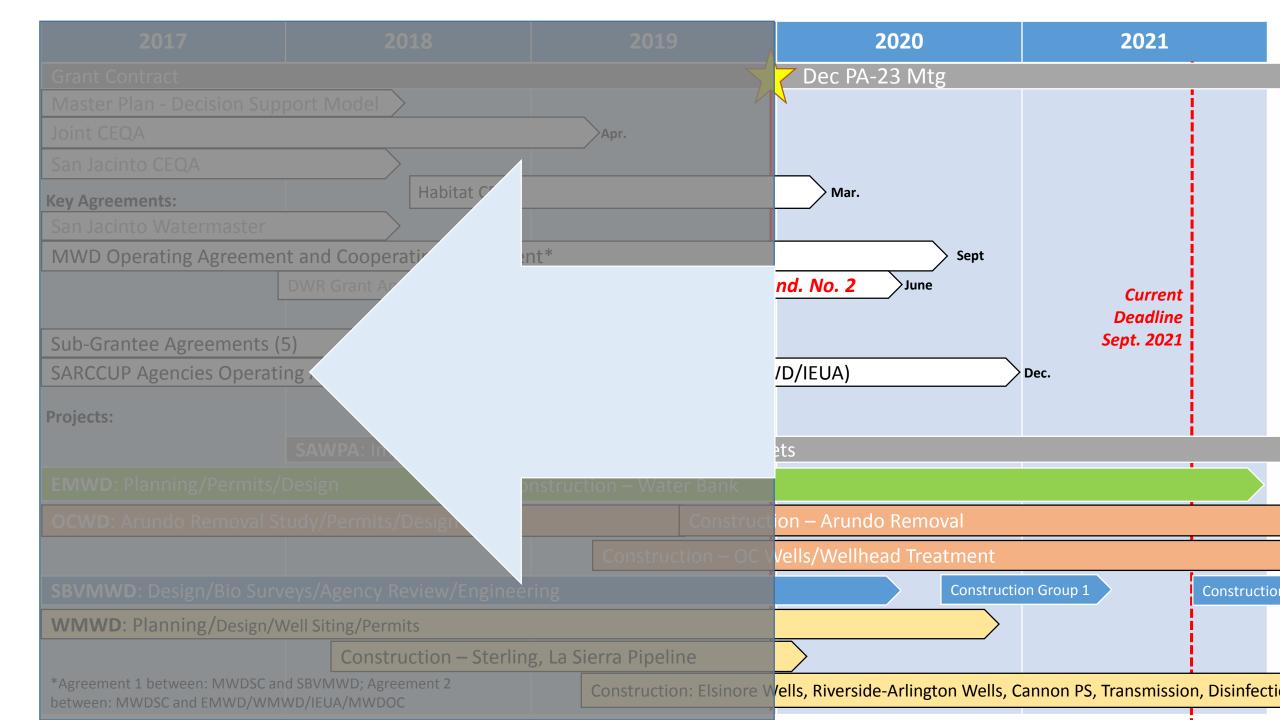
Brian Dietrick, Woodard & Curran

PA 23 Committee | December 17, 2019

Item No. 4.A.



2017	2018	2019	2020	2021	
Grant Contract			Z Dec PA-23 Mtg		
Master Plan - Decision Sup	port Model				
Joint CEQA		Apr.			
San Jacinto CEQA					
Key Agreements:	Habitat CEQA		Mar.		
San Jacinto Watermaster					
MWD Operating Agreemen	it and Cooperating Agreeme	nt*	Sept		
	DWR Grant Amendment No. 1	Ame	end. No. 2 June	Current	
				Deadline	
Sub-Grantee Agreements (5)			Sept. 2021	
SARCCUP Agencies Operati	ng Agreement (Between SB)	/MWD/OCWD/EMWD/WMV	VD/IEUA)	> Dec.	
Projects:					
	SAWPA: Implementation –	Smartscape and Water Budg	ets		
EMWD : Planning/Permits/	Design Co	onstruction – Water Bank			
OCWD: Arundo Removal St	udy/Permits/Design	Construct	ion – Arundo Removal		
		Construction – OC V	Wells/Wellhead Treatment		
SBVMWD: Design/Bio Surv	eys/Agency Review/Enginee	ring	Constructi	on Group 1	Constructio
WMWD: Planning/Design/W	Vell Siting/Permits				
	Construction – Sterlin	ig, La Sierra Pipeline			
*Agreement 1 between: MWDSC an between: MWDSC and EMWD/WM	d SBVMWD; Agreement 2		Vells, Riverside-Arlington Wells, C	Cannon PS, Transmissio	n, Disinfecti



2020	2021	2022	2023	2024
Grant Contract	<u> </u>	Grant Extension (2 years)		
Habitat CEQA Key Agreements: MWD Agmts. (2)* Amend. No. 2	Current Deadline		NEW Construction	
	Sept. 2021		Deadline Sept. 2023	
SARCCUP Agencies Operating				
Projects:				
SAWPA: Smartscape and W	ater Budgets			
EMWD: Construction – Wat	er Bank			
OCWD : Construction – Arur	ndo Removal			
OCWD: Construction – OC	Wells/Treatment			
SBVMWD: Construction – H	labitat (Groups 1 & 2)			
WMWD: Planning/Design				
WMWD: Construction: Elsinore	Wells, RivArl. Wells, Cannon P	S, Transmission, Disinfection		
*Agreement 1 between: MWDSC and	d SBVMWD; Agreement 2 between: N	IWDSC and EMWD/WMWD/IEUA/MW	VDOC	12/04/2019

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	1	Develop Watershed Computer Model	192 days	Wed 3/5/35	Put 10/2010		-			
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2020-2023 Agency Slides



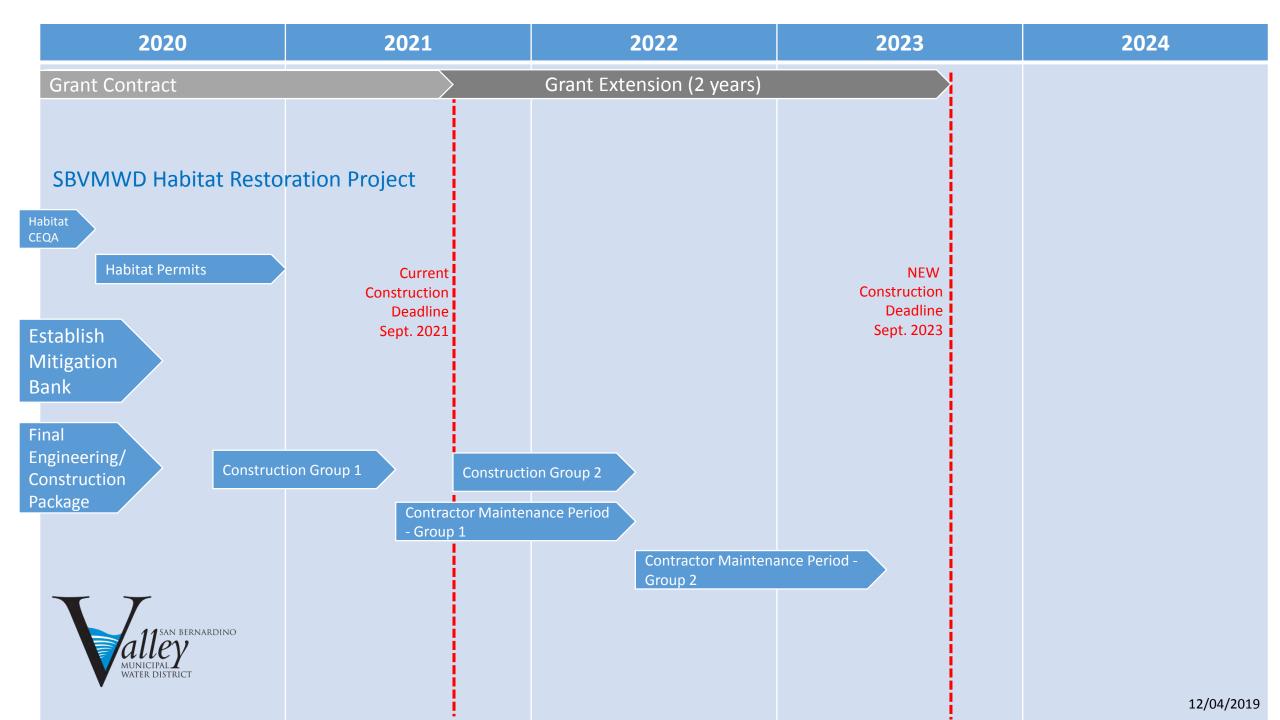


2020	2021	2022	2023	2024
Grant Contract		Grant Extension (2 years)		
Program Management				
Quarterly Reporting	-			
Key Agreements and Grant Del	iverables:			
Amendment No. 2 Project Monitoring Plans SAWPA Water Use Efficient Implementation Water Budgets - Implementation OCCK Smartscape - Implementation			NEW Construction Deadline Sept. 2023	
SAWPA				12/04/2019

2020	2021	2022	2023	2024
Grant Contract		Grant Extension (2 years)		
EMWD Conjunctive Use	Project Current Construction Deadline Sept. 2021		NEW Construction Deadline Sept. 2023	
Construction Mountain Avenue West				
Well Equipping, Discharge Pipelines		>		
emwd				
				12/04/2019

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2020	2021	2022	2023	2024
Grant Contract		Grant Extension (2 years)		
OCWD Arundo Remova	al Project			
	Current Construction		NEW Construction	
	Deadline Sept. 2021		Deadline Sept. 2023	
Construction – Arundo Remo	val			
Construction – OC Wells/Well	head Treatment			
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				12/04/2019



2020	2021	2022	2023	2024
Grant Contract		Grant Extension (2 years)		
WMWD Conjunctive Us	e Project			
Land Purchase Permitting Design Equipping – Prelim Equipping - Final Riverside-Arlington Basin – Wells/Transmission, Cannon Campbell Pump Station & Disinfection	Current Construction Deadline Sept. 2021		NEW Construction Deadline Sept. 2023	
Construction Elsinore Basin - Well Drilling	Elsinore Basin - Well			
Elsinore Basin - Wells	Equipping			
Ster) ng PS	Riverside-Arlington Basin – Wells/Transmiss	ion		
WESTERN MUNICIPAL WATER DISTRICT	Riverside-Arlington Basin – Cannon Campbe	ell PS & Disinfection		12/04/2019

SARCCUP Project Updates

SARCCUP Project Proponents PA 23 Committee | December 17, 2019 Item No. 4.B.

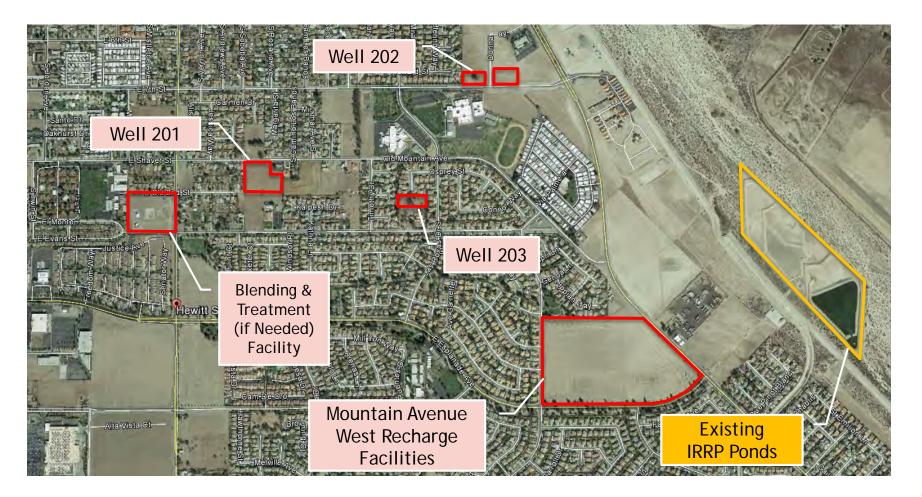


EMWD Project Update - San Jacinto Basin





EMWD Project Update





EMWD Project Update - Wells 201, 202 & 203



Well 201 - Photo Shows Well Head, Equipping Phase Next



EMWD Project Update - Wells 201, 202 & 203



Well 202 - Drilling Complete, Photo Shows Casing Being Installed



Well 202 - Grading Complete, Photo Shows Well Head, Equipping Phase Next

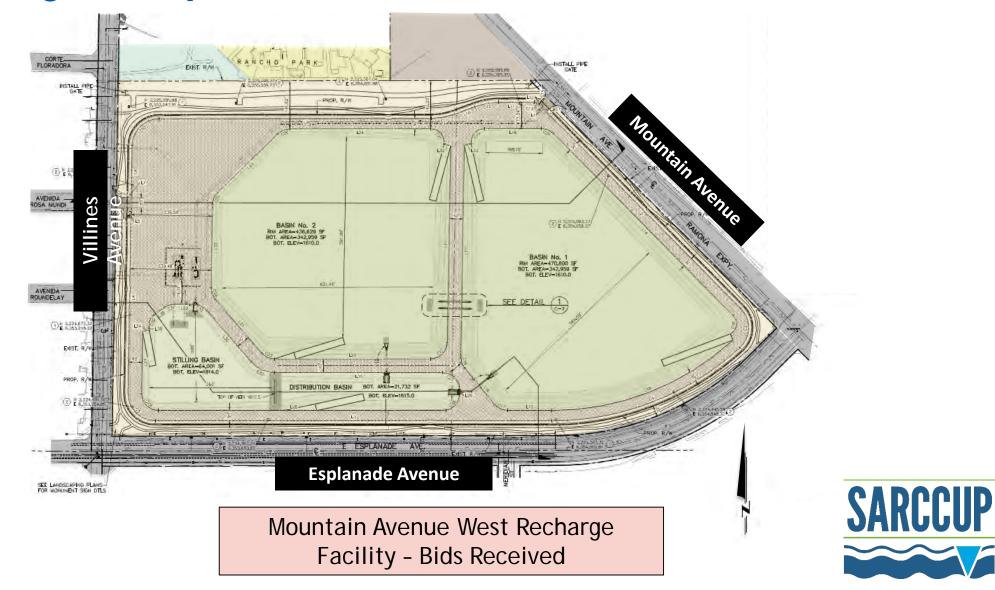


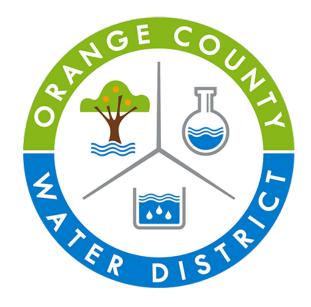
EMWD Project Update - Wells 201, 202 & 203





EMWD Project Update - Mountain Avenue West

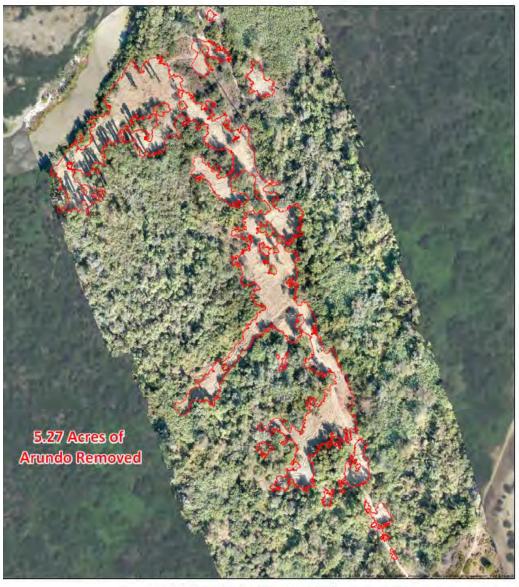




OCWD Project Update -Arundo Removal



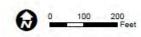




SAWA Arundo Donax Removal Exhibit: Progress Report - 11/01/2019



Arundo Removed (5.27 Acres)









WMWD Projects Update





Sterling Pump Station and La Sierra Pipeline



Installation of Pipe B into Sterling Avenue / Connection of Pipes B and C

Cannon Campbell Pump Station

Western Municipal Water District REQUEST FOR PROPOSAL:

New Pump Station and Interconnection with Riverside Public Utilities (RPU)



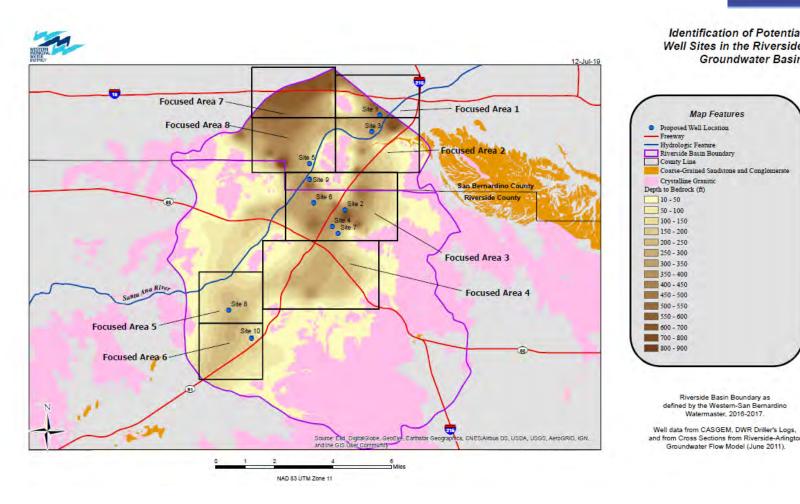
SUBMIT PROPOSAL TO:

Western Municipal Water District Attn: Ronald Palacios, P.E. 14205 Meridian Parkway Riverside, CA 92518

Event	Target Date
RFP Release Date	December 2019
Deadline to Submit Written Questions	December 2019
Proposal Deadline – Proposal DUE BY 2:00 p.m.	January 2020



Riverside-Arlington Wells

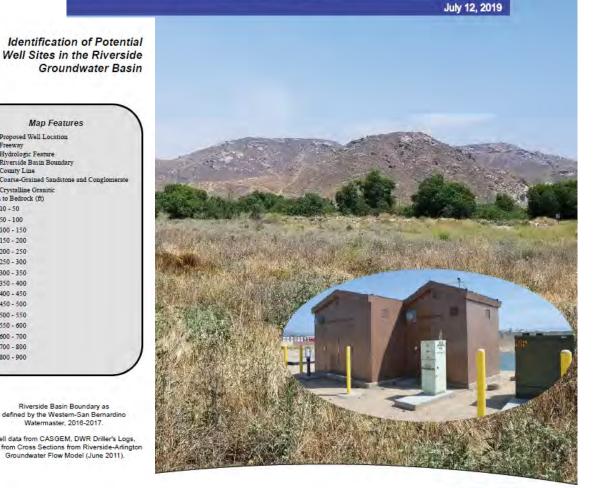


Identification of Potential Well Sites in the **Riverside Groundwater Basin**

Map Features

Riverside Basin Boundary as defined by the Western-San Bernardino Watermaster, 2016-2017.

Groundwater Flow Model (June 2011).





Chino Basin Storage - JCSD

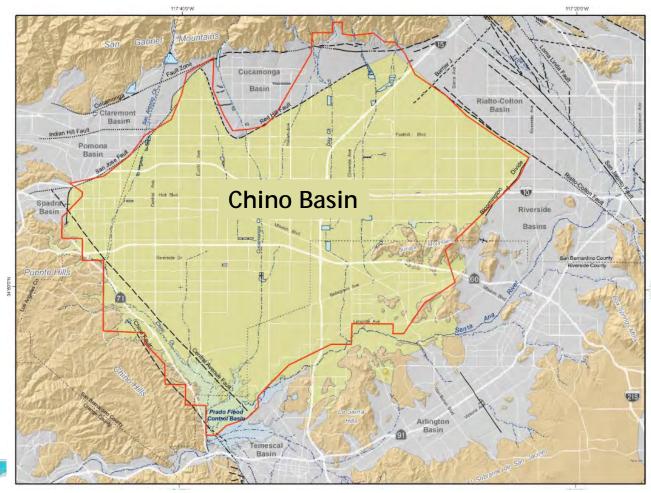
Application filed and approved 11/21/19 by Chino Basin Watermaster

▶ 7,000 AF









Questions



DWR Grant Agreement Amendment No. 2 Update

Ian Achimore, Senior Watershed Manager PA 23 Committee | December 17, 2019 Item No. 4.C.





Recap of Recent SARCCUP Milestones

- SARCCUP team has determined storage locations in the watershed with the finalization of the Decision Support Model (feasibility study);
- PA 23 Committee approved contents of Amendment No. 2 request to Department of Water Resources (DWR);
 - Approvals occurred during April and October 2019 Committee meetings.
- SAWPA has met with DWR on amendment request items such as the two-year schedule increase; and
- SARCCUP Team to conclude details of the final Amendment No.
 2 package for December 2019 submittal to DWR.



Updates Since October PA 23 Committee Meeting



Jurupa Community Services District Chino Basin storage application on WMWD's behalf;



Producer wells in the Orange County Groundwater Basin; and



SAWPA meeting with Department of Water Resources on two-year schedule.

Jurupa Community Services District (JCSD) Update

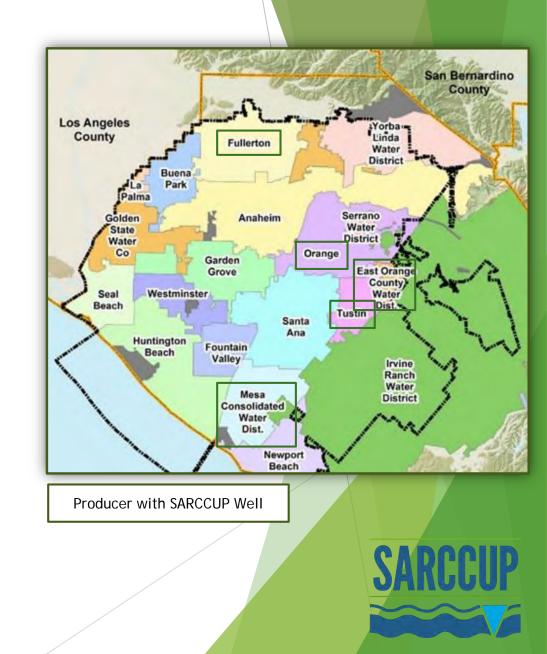
- JCSD's 7,000 AF Chino Basin groundwater recharge application approved by Chino Basin Watermaster Board on November 21, 2019.
- No new facilities needed to recharge (or extract) SARCCUP water in Chino Basin
 - 7,000 AF can be provided to the SARCCUP agencies, via WMWD, as an in-lieu transfer or direct delivery.
- Next steps: Per PA 23 request at October Committee meeting, SARCCUP Team is to provide the MOU between JCSD and WMWD.





OC Wells Update

- OCWD selected five Groundwater Producers to construct five new wells.
 - The wells will be used to increase production during dry years to extract SARCCUP water banked in OC basin.
- Cost estimates and work plans from five producers have been incorporated into the DWR amendment request.



SAWPA/DWR Meeting on Amendment No. 2

- SAWPA discussed the two-year schedule increase with DWR management on November 5, 2019 after receiving approval from PA 23;
- DWR staff initially had concerns, but management was okay with the change as it will allow the SARCCUP Team to expand the project into Orange County; and
- Conversations still underway with DWR about reduced benefit amount.





Overview of Amendment Package

Amendment Item	Basin
Update Chino Basin Storage Amount from 50,000 to 7,000 AF	Chino
Update Total Groundwater Basin Storage Amount from 180,000 to 137,000 AF	All
Budget: \$8M grant funding moved from Chino Basin to Orange County Basin;	Chino/Orange County
Budget: \$5M grant funding moved from Chino Basin (JCSD) to Riverside-Arlington	Chino/Riverside Arlington
Increase schedule from September 2021 to September 2023	All



Storage Volumes by Basin

Groundwater Basin (SARCCUP Agency)	Nov-2016 (Approved Grant Agreement)	Jan-2018 (Approved Amendment 1)	Dec-2019 (Requested Amendment 2)
		<u>Storage (AF)</u>	
San Bernardino (SBVMWD)	60,000	64,000	64,000
Chino (IEUA/WMWD)	96,000	50,000	7,000
San Jacinto (EMWD)	19,500	19,500	19,500
Elsinore (WMWD)	4,500	4,500	4,500
Orange County (OCWD)	0	36,000	36,000
Riverside-Arlington (WMWD)	0	6,000	6,000
TOTAL	180,000	180,000	137,000
			CADCOIL



Questions

SARCCUP