

Disadvantaged Community Involvement Program: Status Report

Rick Whetsel, Senior Watershed Manager

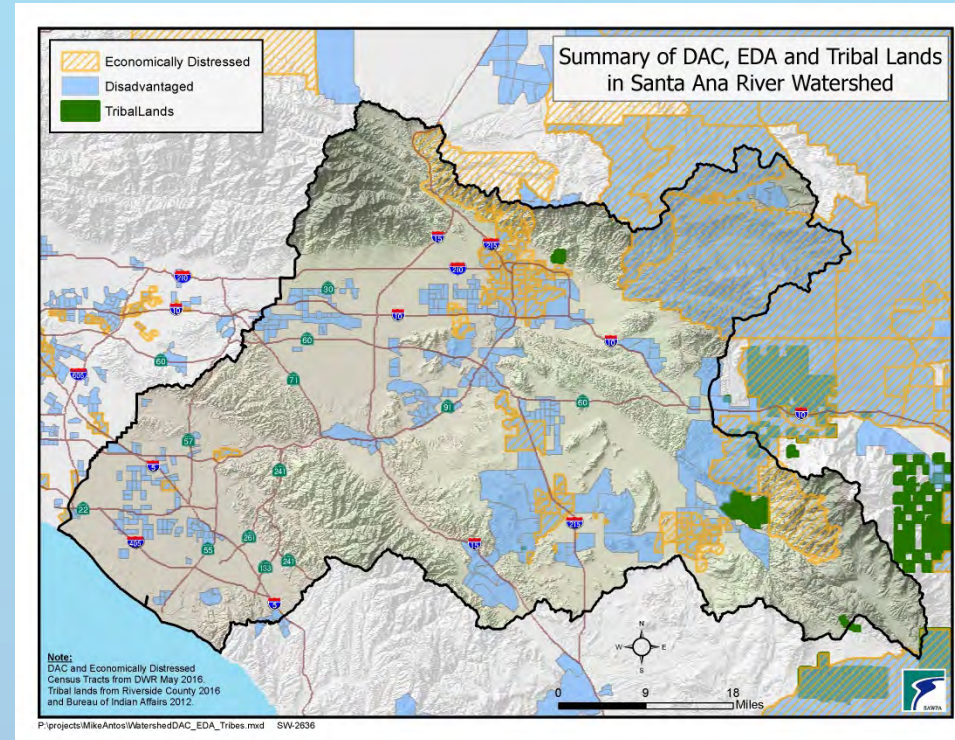


OWOW Steering Committee
September 26, 2019



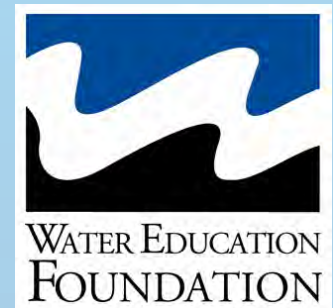
Program Elements

1. Strengths and Needs Assessment
2. Education and Engagement
3. Project Development
4. Administration



Program Partners

- California State University, San Bernardino
- University of California, Irvine
- Local Government Commission
- California Rural Water Association
- Water Education Foundation
- OWOW Steering Committee
- SAWPA



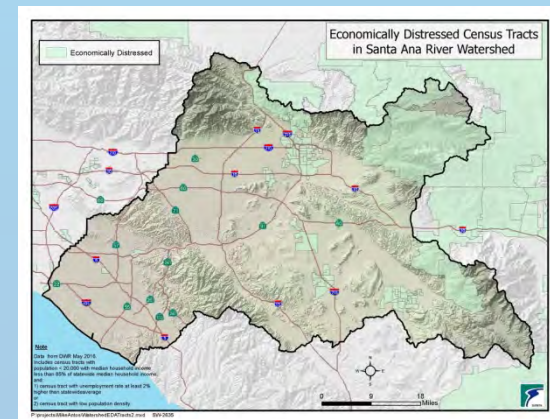
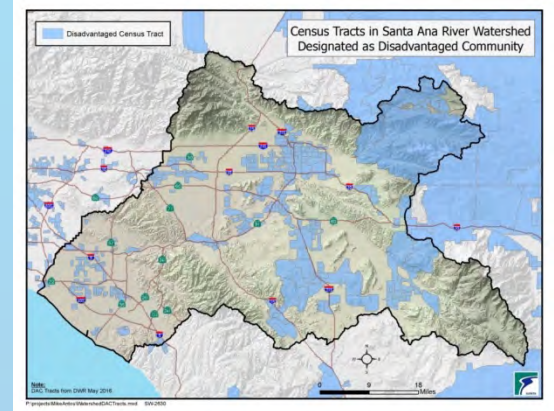
Program Budget

Program Element	Budget Estimate
Strength & Needs Assessment	\$699,000
Engagement & Education	\$1,845,000
Project Development	\$3,441,000
Grant Administration	\$315,000
Total:	\$6,300,000



1. Strengths & Needs Assessment

Activity #	
1	DACI Technical Advisory Committee
2	DAC / Tribal Pillar
3	Engage Local Elected Leaders
4	Engage Mutual Water Companies
5	Engage Water Agencies
6	Community Listening Sessions
7	Community Water Ethnography
8	Homelessness & Water Convening



Activity 7: Community Water Ethnography

- Objective: Strengths and needs assessment designed by SAWPA and its partner agencies to take the next step in integrated and inclusive watershed planning.
- Lead Author: Valerie Olson, Ph.D.
Department of Anthropology
University of California, Irvine
- Current Status: Internal Draft Review by TAC
- Final Report: October 1, 2019



2. Education & Engagement

Activity #	
9	Tribal Consultation
10	Trust the Tap Campaign
11	Translation Services
12	Engagement Best Practices Publication
13	State of the Watershed Conferences
14	Community Water Education
15	Water Agency Engagement Training
16	Local Elected Leader Training
17	Community Engagement Interns Program



Activity 9: Tribal Consultation

- Objective: Establish a Tribal Advisory Committee (Tribal AC) with California Native American Indian Tribes and agency staff to provide opportunities for collaboration.
- Activity Lead: CRWA
- Current Status: development of Charter



Activity 11: Translation Services

- Objective: Translation services for documents and meetings are available.
- Foreign languages include, but are not limited to, Spanish, Vietnamese, Korean, Chinese, and Tagalog.
- American Sign Language interpretation available for simultaneous translation.
- Activity Lead: SAWPA / CivicSparks
- Current Status: Ongoing



Activity 12: Engagement Best Practices Publication

- Objective: Publication to look at the engagement of disadvantaged communities with water management, with case studies from around the state.
- Activity lead: WEF
- Current Status: Internal Draft Publication



Activity 14: Community Water Education

- Objective: host community water education events, distributed appropriately to serve local communities throughout the watershed using information garnered during the Strengths & Needs Assessment program element.
-
- Activity Lead: LGC supported by UCI and CRWA
-
- Current Status: LGC working on a proposal to SAWPA



Community Water Conversations

Big Bear Lake, CA

- Big Bear Community
September 9th
- Quail Valley
September 24th
- Orange County
(City and Time TBD)



Activity 15: Water Agency Engagement Training

- Objective: to provide training to water agency staff in the watershed.
-
- Activity Lead: CRWA
-
- Current Status: CRWA working on a proposal to SAWPA



Activity 16: Local Elected Leader Training

- Objective: Provide trainings for local elected leaders and their staff in the watershed. These training sessions will relay the findings of the Strengths & Needs Assessment program element, basic information on water management topics, and best practices for helping the communities they serve interact with water planning.
- Activity Lead: LGC
- Current Status: LGC has completed the first of three rounds of workshops.



Santa Ana Watershed Ambassador Program for Local Policymakers

Round 1: Getting to Know Your Watershed (September 2019)

San Bernardino County: September 10, 2019,
Pomona College, Claremont, CA

Riverside County: September 12, 2019,
Eastern Municipal Water District

Orange County: September 16, 2019, Orange
County Water District



Round 2: Collaborative Planning in the Face of Uncertainty (January 2020)

Round 3: Communicating the Value of Water to Your Constituents (April 2020)



Round 1: Getting to Know Your Watershed

Pomona College, Claremont, CA

September 10th



Activity 17: Community Engagement Interns Program

- Objective: Provide internships for students from the CSU, UC and community college campuses of the watershed.
- Activity Lead: CSUSB / Civic Sparks
- Current Status: Ongoing



3. Project Development

Activity #	
18	Technical Assistance / Project Implementation
19	OWOW Plan Update 2018
20	CivicSpark Water Fellows



Activity 18: Technical Assistance / Project Implementation

- Objective: Technical Assistance (TA) funding to support the development of projects and programs that address the needs of disadvantaged and underrepresented communities.
- Available funding: \$ 2.9M
- DCI TAC recommends projects for approval by the OWOW Steering Committee and the SAWPA Commission
- Initial Application Review: September 27, 2019



List of pre-Approved Projects

Technical Assistance / Project Implementation	
Tribal Advisory Committee	\$ 125,000.00
Assessment of Homelessness Impacts	\$ 74,441.00
Soboba Asbestos Pipes	\$ 500,000.00
Replenish Big Bear	\$ 500,000.00
Total Budget	\$ 2,991,588.00

Remaining Funds to be Allocated	\$ 1,792,147.00
---------------------------------	-----------------



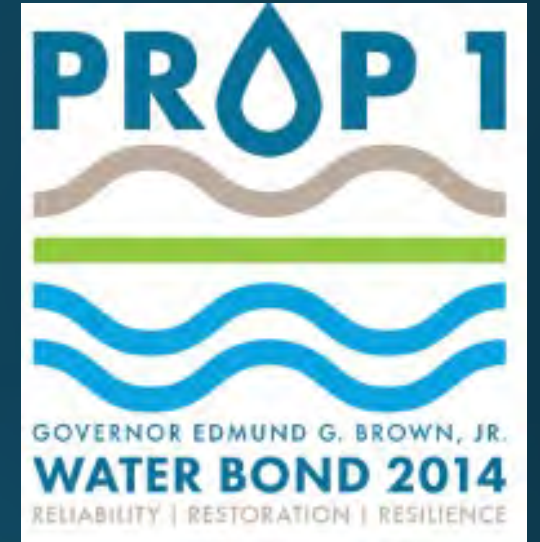
Demo of DCI Program Webpage on SAWPA Website



Questions



OWOW Proposition 1 Round 1 Integrated Regional Water Management Project Grant Application and Related Agreements

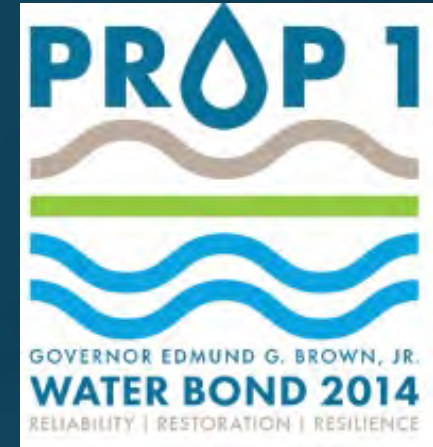


OWOW Steering Committee
September 26, 2019



Round 1 Funding Allocation

Funding Area	Round 1 General Grant	Round 1 DAC Grant	Round 2 General Grant	Round 2 DAC Grant
Santa Ana	\$21,925,000	\$2,205,000	\$21,925,000	\$4,095,000
	50%	35%	50%	65%



- Total Round 1 funding allocation = \$24.1 Million
- All overall project proposals must:
 - Respond to climate change, and
 - Contribute to regional water self-reliance.
- All individual projects must:
 - Address the most critical needs of the IRWM region,
 - Be consistent with Statewide Priorities,
 - Have an expected useful life, and
 - Have CEQA/permits acquired within 12 months of final grant award.

Prop 1 IRWM Funding Allocation Per the North Orange County MOU

Funding Area	Round 1 General Grant	Round 1 DAC Grant	Round 2 General Grant	Round 2 DAC Grant
Santa Ana	\$21,925,000	\$2,205,000	\$21,925,000	\$4,095,000
	50%	35%	50%	65%

50%

35%

50%

65%

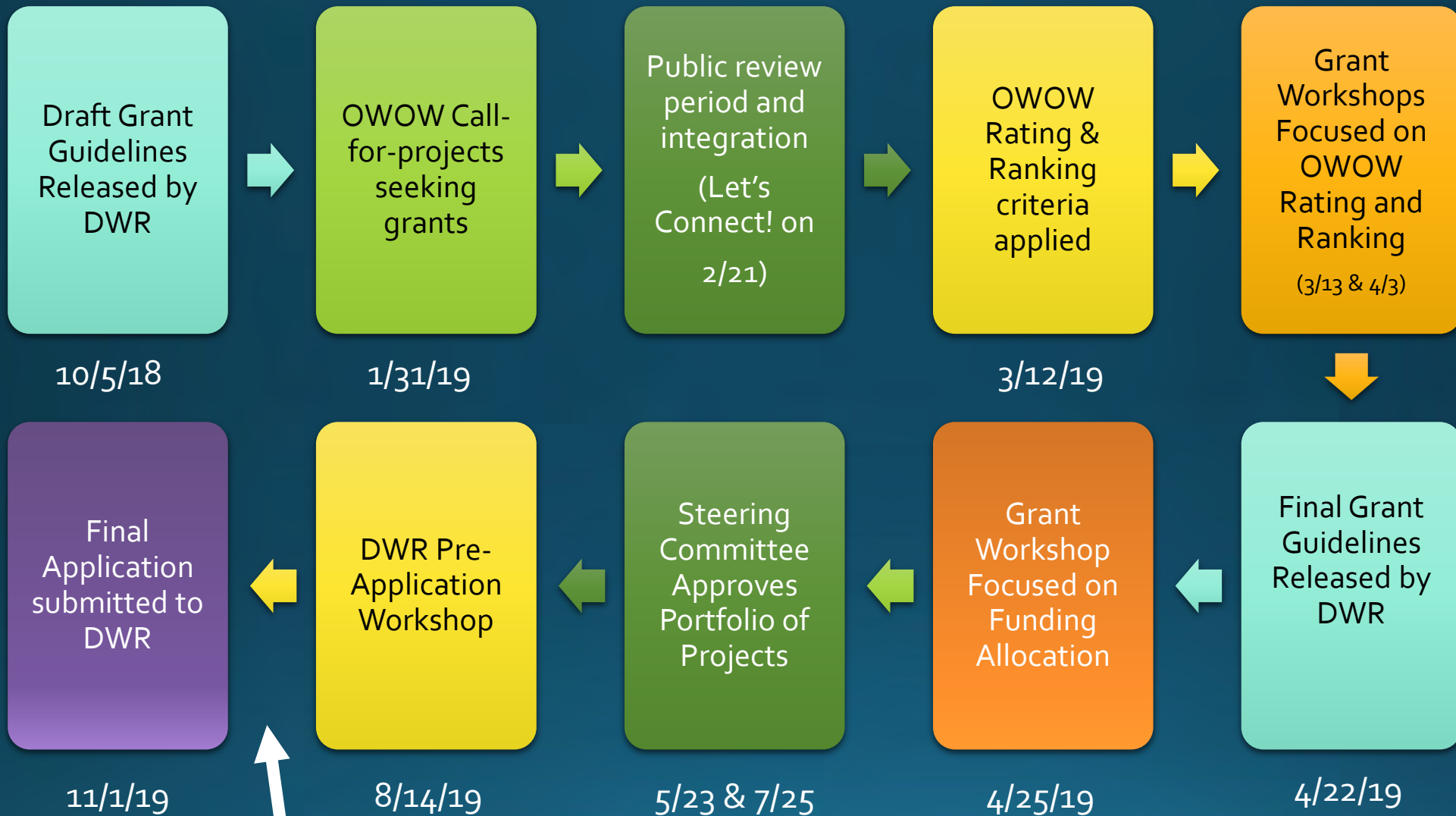
Sub-Region	Allocation	Round 1 General Grant
North OC	30%	\$6,248,625
Upper Watershed	60%	\$12,497,250
Watershed-wide	10%	\$2,082,875
Total	100%	\$21,925,000



Prop 1 Round 1 Projects

IRWM Solicitation	Project	Project Lead	Grant Award
OWOW	Replenish Big Bear	Big Bear Area Regional Wastewater Agency	\$4,563,338
	Evans Lake Tributary Restoration and Camp Evans Recreation	San Bernardino Valley Municipal Water District	\$2,000,000
	Well 30 Wellhead Treatment Project	Monte Vista Water District	\$3,431,225
	Regional Comprehensive Landscape Rebate Program	Project Partners*	\$2,767,344
	Physical Harvesting of Algal Biomass in Lake Elsinore – Pilot Program	City of Lake Elsinore	\$297,000
	Santa Ana Mountains Watershed Protection Project	Cleveland National Forest	\$497,998
	Enhancements to Watershed-Wide Water Budget Decision Support Tool	Santa Ana Watershed Project Authority	\$500,000
	Joint IEUA-JCSD Regional Water Recycling Program	Inland Empire Utilities Agency	\$2,617,971
North OC	Groundwater Replenishment System Final Expansion	Orange County Water District	\$3,589,553
	Raitt & Myrtle Park	City of Santa Ana	\$2,359,072
	OC SmartScape	Orange County Coastkeeper	\$300,000
N/A	Grant Management (5% of Total Grant Award)	Santa Ana Watershed Project Authority	\$1,206,500
Total			\$24,130,000

*MWDOC, EMWD, IEUA, SBVMWD, WMWD and Big Bear Lake Department of Water and Power.



We are here



Example of DWR Comments

General Comments:

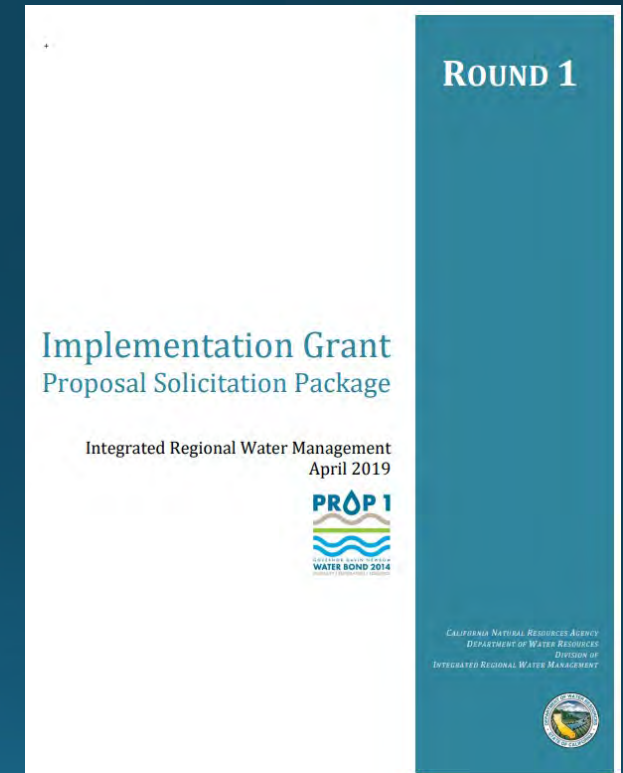
- Need to ensure appropriate coordination has been done with groundwater sustainability agencies.
- Need to ensure costs estimates for all budget categories are included.
- Need to thoroughly describe how project(s) are an example of an innovative technology or practice.

Project Eligibility:

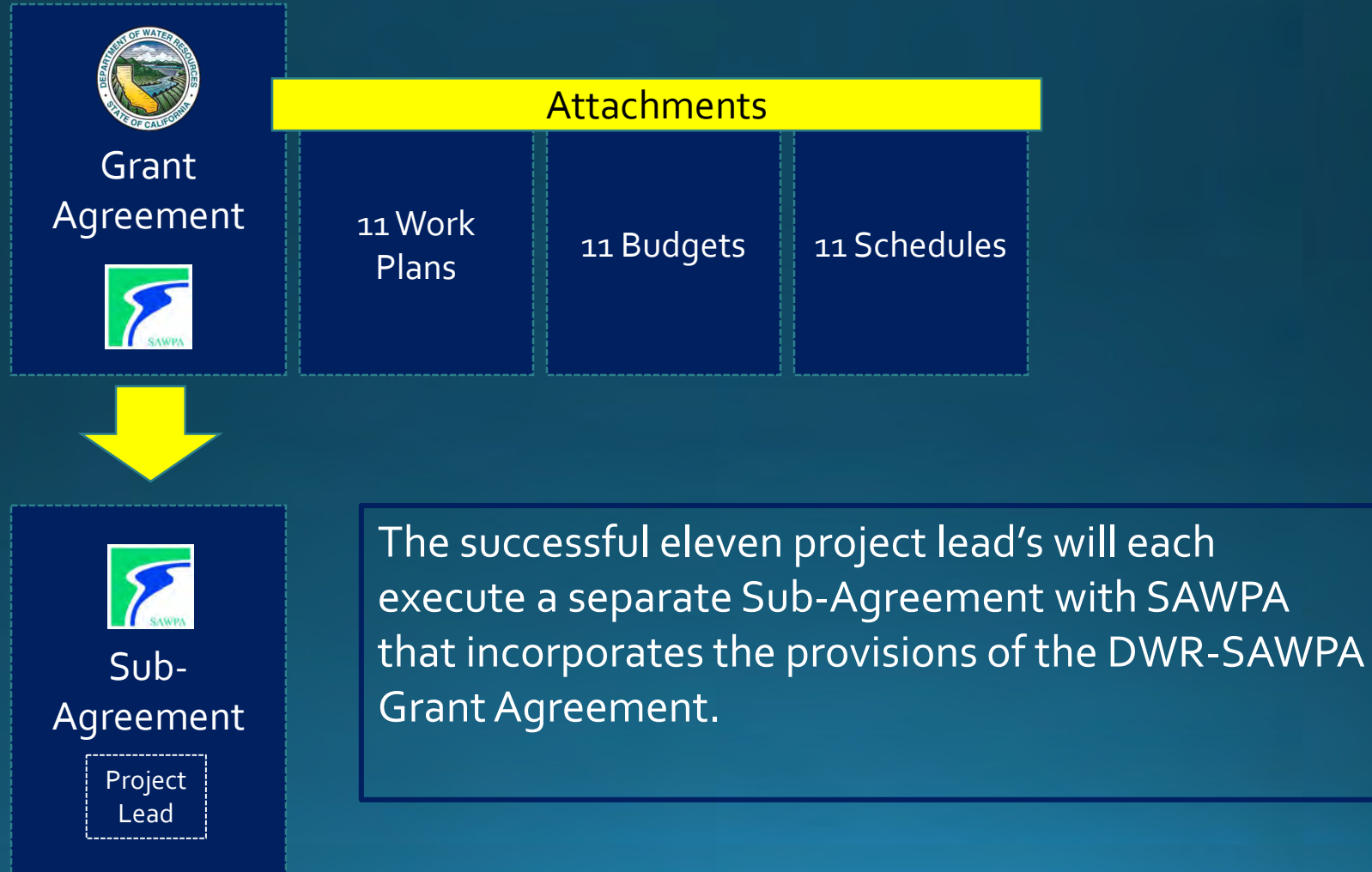
- Several project proponents are making changes to their budgets in order to ensure grant funding is provided to eligible tasks such as construction.
- The non-eligible tasks, such as education and recreation improvements, are being organized as additional cost share items.
- Even considering these comments, no projects were deemed ineligible

Next Steps

- Dudek and SAWPA will compile and submit final application to DWR on November 1.
 - Final application to address DWR's comments from workshop.
- DWR to approve application in early 2020.
- SAWPA-DWR grant agreement and SAWPA agreements with project proponents to be developed in early 2020.



Agreements to Be Executed



Questions

Proposition 84 Rounds 1 & 2 Projects Status Update

September 26, 2019
Steering Committee Meeting



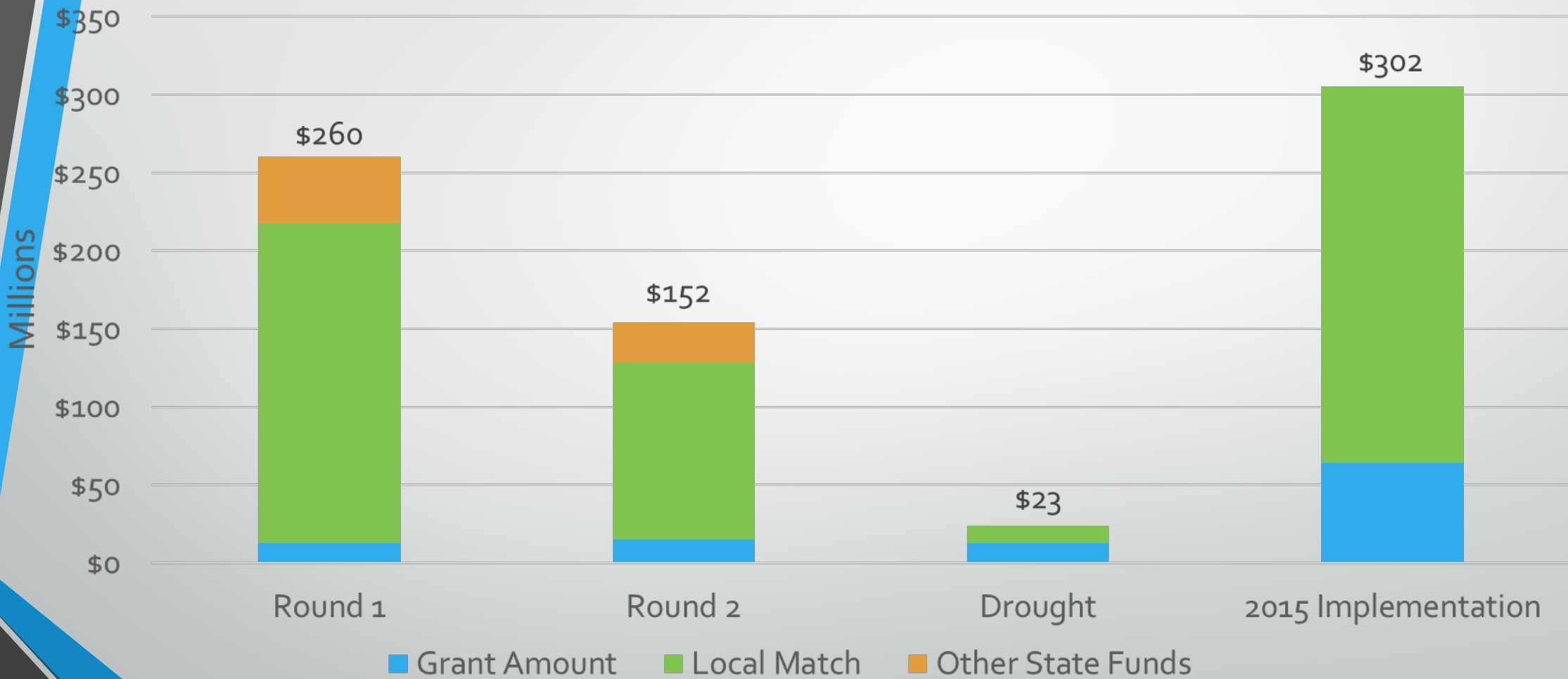
Marie Jauregui
Project Manager

Proposition 84 Project Status

Round	No. of Projects	Projects Complete*	Grant Amount	Grant Invoiced	Total Cost
Round 1	13	13	\$12.0M	\$12.0 M	\$261M
Round 2	18	11	\$14.5M	\$9.3M	\$152M
Drought Round	2	0	\$12.0M	\$7.7M	\$23M
2015 Implementation Round	3	0	\$61.0M	\$20.8M	\$302M
Total	36	24	\$99.5M	\$49.8M	\$737M

*Includes projects that are substantially complete

Total Project Cost Components



Projected Watershed-Wide Benefits of All Four Rounds of OWOW Prop 84 IRWM Projects

- Reduces water demand by 18,000 AFY representing 36,000 households
- Recharges 180,000 AF of additional imported water
- Produces 18,000 AFY of desalted groundwater
- Removes 29,000 tons of salt from groundwater per year
- Creates 11,000 AFY of additional recycled water
- Captures 44,000 AFY of stormwater for beneficial use
- Restores 3,800 acres of environmental habitat
- Reduces nonpoint source pollution by 29,000 pounds per year
- Reduces flood risk damage by \$91 million
- Creates about 11,000 construction related jobs

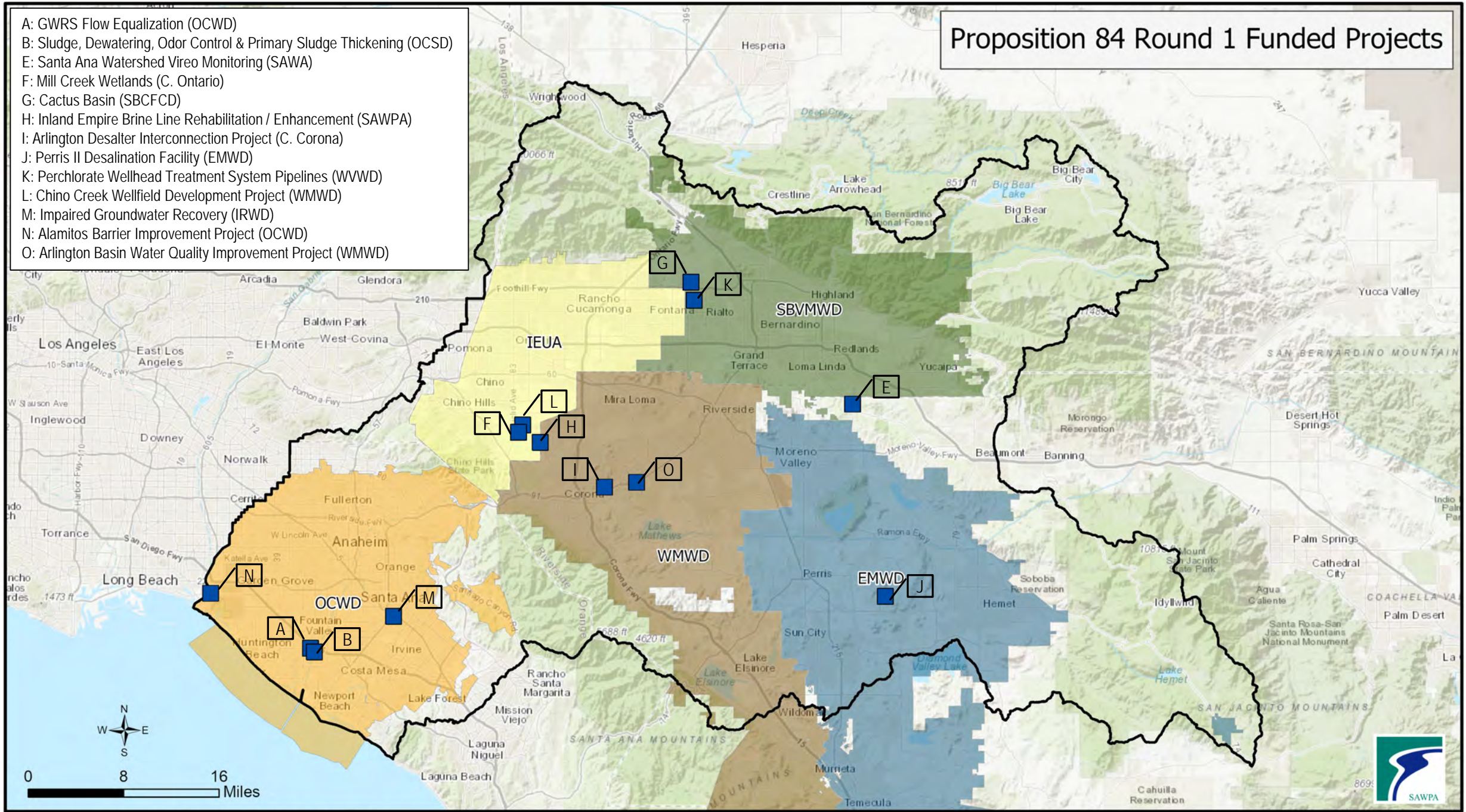


Round 1 Projects

(August 2011 – June 2019)

Proposition 84 Round 1 Funded Projects

- A: GWRS Flow Equalization (OCWD)
- B: Sludge, Dewatering, Odor Control & Primary Sludge Thickening (OCSD)
- E: Santa Ana Watershed Vireo Monitoring (SAWA)
- F: Mill Creek Wetlands (C. Ontario)
- G: Cactus Basin (SBCFCD)
- H: Inland Empire Brine Line Rehabilitation / Enhancement (SAWPA)
- I: Arlington Desalter Interconnection Project (C. Corona)
- J: Perris II Desalination Facility (EMWD)
- K: Perchlorate Wellhead Treatment System Pipelines (WWWD)
- L: Chino Creek Wellfield Development Project (WMWD)
- M: Impaired Groundwater Recovery (IRWD)
- N: Alamitos Barrier Improvement Project (OCWD)
- O: Arlington Basin Water Quality Improvement Project (WMWD)



Proposition 84 Round 1 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Project Complete
Grant Agreement Administration	SAWPA	\$ 660,004	\$ 0 0.00%	\$0	\$ 660,004	98%
GWRS Flow Equalization	OCWD	\$ 1,000,000	\$ 1,180,760 7.67%	\$ 13,218,920 ¹	\$ 15,399,680	100% <i>Retention Released</i>
Sludge, Dewatering, Odor Control & Primary Sludge Thickening	OCSD	\$ 1,000,000	\$ 36,638,218 26.00%	\$ 103,278,005	\$ 140,916,223	99%
Santa Ana Watershed Vireo Monitoring	SAWA	\$ 600,000	\$ 225,994 26.00%	\$ 43,213	\$ 869,207	100% <i>Retention Released</i>
Mill Creek Wetlands	Ontario	\$ 1,000,000	\$ 1,615,000 8.85%	\$ 15,635,000 ²	\$ 18,250,000	100% <i>Retention Released</i>

¹ \$13,218,920 in Other State Funds

² \$15,420,000 in Other State Funds

Proposition 84 Round 1 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Project Complete
Cactus Basin	SBCFCD	\$ 1,000,000	\$ 4,427,155 29.96%	\$ 9,350,026	\$ 14,777,181	100% <i>Retention Released</i>
Inland Empire Brine Line Rehabilitation / Enhancement	SAWPA	\$ 1,000,000	\$ 698,153 10.07%	\$ 5,234,576 ³	\$ 6,932,729	100% <i>Retention Released</i>
Arlington Desalter Interconnection Project	Corona	\$ 400,000	\$ 350,493 26.00%	\$ 597,556	\$ 1,348,049	100% <i>Retention Released</i>
Perris II Desalination Facility	EMWD	\$ 1,000,000	\$ 607,296 26.00%	\$ 728,456	\$ 2,335,752	100% <i>Retention Released</i>
Perchlorate Wellhead Treatment System Pipelines	WVWD	\$ 1,000,000	\$ 368,940 26.00%	\$ 50,060	\$ 1,419,000	100% <i>Retention Released</i>

³ \$5,234,576 in Other State Funds

Proposition 84 Round 1 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Project Complete
Chino Creek Wellfield Development Project	WMWD	\$ 1,000,000	\$ 1,646,091 26.00%	\$ 3,685,027	\$ 6,331,118	100% <i>Retention Release Requested</i>
Impaired Groundwater Recovery	IRWD	\$ 1,000,000	\$ 20,148,848 53.99%	\$ 16,173,122	\$ 37,321,970	100% <i>Retention Released</i>
Alamitos Barrier Improvement Project	OCWD	\$ 1,000,000	\$ 650,600 5.61%	\$ 9,956,000 ⁴	\$ 11,606,600	100% <i>Retention Released</i>
Arlington Basin Water Quality Improvement Project	WMWD	\$ 1,000,000	\$ 900,000 33.21%	\$ 809,670	\$ 2,709,670	97%
Total		\$ 12,660,004	\$ 69,457,548 26.69%	\$ 178,759,631	\$ 260,217,179	

⁴ \$9,956,000 in Other State Funds



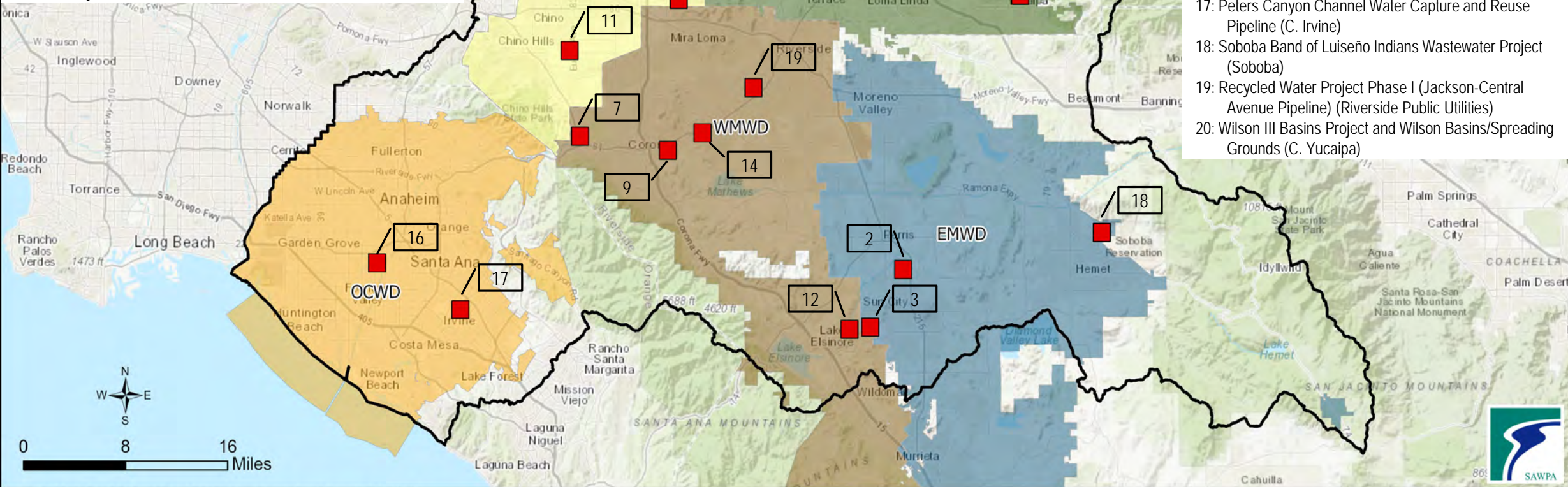
Round 2 Projects

(February 2014 – December 2020)

Proposition 84 Round 2 Funded Projects

- 2: Perris Desalination Program - Brackish Water Well 94 (EMWD)
- 3: Quail Valley Subarea 9 Phase 1 Sewer System Project (EMWD)
- 4: Forest First - Increase Stormwater Capture and Decrease Sediment Loading through Forest Ecological Restoration (US Forest Service)
- 5: Wineville Regional Recycled Water Pipeline and Groundwater Recharge System Upgrades (IEUA)
- 6: Plunge Creek Water Recharge and Habitat Improvement (SBVMWD)
- 7: Prado Basin Sediment Management Demonstration Project (OCWD)
- 8: San Sevaïne Ground Water Recharge Basin (IEUA)
- 9: Corona/Home Gardens Multi-Jurisdictional Water Transmission Line Project (C. Corona)
- 10: Enhanced Stormwater Capture and Recharge along the Santa Ana River (SBVMWD)
- 11: Regional Residential Landscape Retrofit Program (IEUA)
- 12: Canyon Lake Hybrid Treatment Process (LESJWA)
- 14: Customer Handbook to Using Water Efficiently in the Landscape (WMWD)
- 15: Lower Day Basin (IEUA)

- 16: Commercial/Industrial/ Institutional Performance-Based Water Use Efficiency Program (MWDOC)
- 17: Peters Canyon Channel Water Capture and Reuse Pipeline (C. Irvine)
- 18: Soboba Band of Luiseño Indians Wastewater Project (Soboba)
- 19: Recycled Water Project Phase I (Jackson-Central Avenue Pipeline) (Riverside Public Utilities)
- 20: Wilson III Basins Project and Wilson Basins/Spreading Grounds (C. Yucaipa)



Proposition 84 Round 2 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Grant Agreement Administration	SAWPA	\$ 627,405	\$ 0 0.00%	\$ 0	\$ 627,405	78%	N/A	78%
Perris Desalination Program Well 94	EMWD	\$ 1,000,000	\$ 0 0.00%	\$ 9,238,280	\$ 10,238,280	100%	100%	99%
Quail Valley Subarea 9 Phase I Sewer System	EMWD	\$ 1,930,000	\$ 2,960,000 37.00%	\$ 3,110,000	\$ 8,000,000	25%	99%	99%
Forest First	USFS	\$ 1,000,000	\$ 2,055,039 37.00%	\$ 2,499,121	\$ 5,554,160	35%	65%	65%
Wineville Regional Recycled Water Pipeline/GW Recharge System Upgrades	IEUA	\$ 1,000,000	\$ 0 0.00%	\$ 29,500,000 ¹	\$ 30,500,000	100%	100%	99%

¹ \$29,500,000 in Other State Funds

Green – Project on schedule or ahead of schedule
 Yellow/Green – Delay experienced but will finish prior to Grant Completion Date
 Yellow – Delay experienced, not on schedule, unsure if project will complete on time
 Orange/Red – Project behind schedule, unsure if project will complete on time, or requires additional information

Proposition 84 Round 2 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Plunge Creek Water Recharge and Habitat Improvement	SBVWCD	\$ 500,000	\$ 184,731 26.00%	\$ 25,769	\$ 710,500	28%	0%	50%
Prado Basin Sediment Mgmt Demonstration Project	OCWD	\$ 750,000	\$ 1,444,000 37.00%	\$ 1,704,000	\$ 3,898,000	0%	0%	35%
San Sevaine GW Recharge Basin	IEUA	\$ 750,000	\$ 925,001 32.34%	\$ 1,184,999	\$ 2,860,000	100%	90%	99%
Corona/Home Gardens Multi-Jurisdictional Wtr Transmission Line	Corona	\$ 1,300,000	\$ 2,327,494 37.00%	\$ 2,663,031	\$ 6,290,525	100%	100%	100%

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced but will finish prior to Grant Completion Date

Yellow – Delay experienced, not on schedule, unsure if project will complete on time

Orange/Red – Project behind schedule, unsure if project will complete on time, or requires additional information

Proposition 84 Round 2 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Enhanced SW Capture/Recharge Along the SAR	SBVMWD	\$ 1,000,000	\$ 11,581,000 37.00%	\$ 18,719,000	\$ 31,300,000	100%	100%	45%
Regional Residential Landscape Retrofit	IEUA	\$ 500,000	\$ 370,000 37.00%	\$ 130,000	\$ 1,000,000	99%	N/A	99%
Canyon Lake Hybrid Treatment Process	LESJWA	\$ 500,000	\$ 327,635 37.00%	\$ 57,865	\$ 885,500	100%	100%	100% <i>Retention Released</i>
Customer Handbook to Using Water Efficiently	WMWD	\$ 120,000	\$ 42,000 25.93%	\$ 0	\$ 162,000	100%	N/A	100%
Lower Day Basin	IEUA	\$ 750,000	\$ 1,531,171 37.00%	\$ 1,857,130	\$ 4,138,301	0%	0%	75%

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced but will finish prior to Grant Completion Date

Yellow – Delay experienced, not on schedule, unsure if project will complete on time

Orange/Red – Project behind schedule, unsure if project will complete on time, or requires additional information

Proposition 84 Round 2 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
CII Performance Based WUE Program	MWDOC	\$ 500,000	\$ 898,179 37.00%	\$ 1,029,333	\$ 2,427,512	100%	N/A	83%
Peters Canyon Channel Water Capture and Reuse Pipeline	Irvine	\$ 1,000,000	\$ 3,211,086 37.00%	\$ 4,467,523	\$ 8,678,609	100%	100%	100% <i>Retention Released</i>
Soboba Band of Luiseno Indians Wastewater Project	Soboba	\$ 147,905	\$ 53,000 26.38%	\$ 0	\$ 200,905	100%	N/A	100% <i>Retention Released</i>
Recycled Water Project Phase I	Riverside	\$ 1,000,000	\$ 8,030,000 37.00%	\$ 12,670,000	\$ 21,700,000	50%	50%	50%

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced but will finish prior to Grant Completion Date

Yellow – Delay experienced, not on schedule, unsure if project will complete on time

Orange/Red – Project behind schedule, unsure if project will complete on time, or requires additional information

Proposition 84 Round 2 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Wilson III Basins Project and Wilson Basins/ Spreading Grounds	Yucaipa	\$ 750,000	\$ 4,825,807 37.00%	\$ 7,466,914	\$ 13,042,721	0%	0%	58%
Total		\$ 15,125,310	\$ 40,766,143 26.78%	\$ 96,322,965	\$ 152,214,418	65%		81%

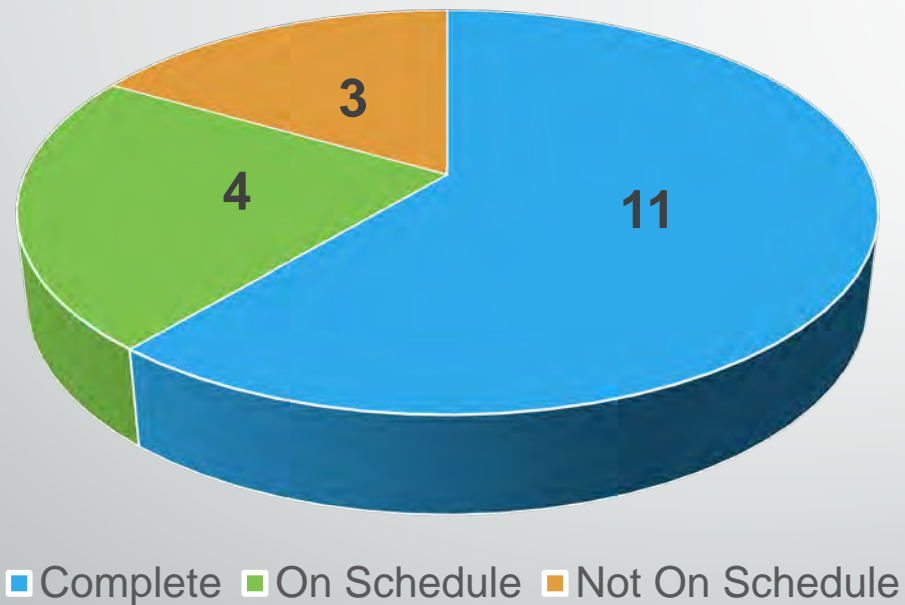
Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced but will finish prior to Grant Completion Date

Yellow – Delay experienced, not on schedule, unsure if project will complete on time

Orange/Red – Project behind schedule, unsure if project will complete on time, or requires additional information

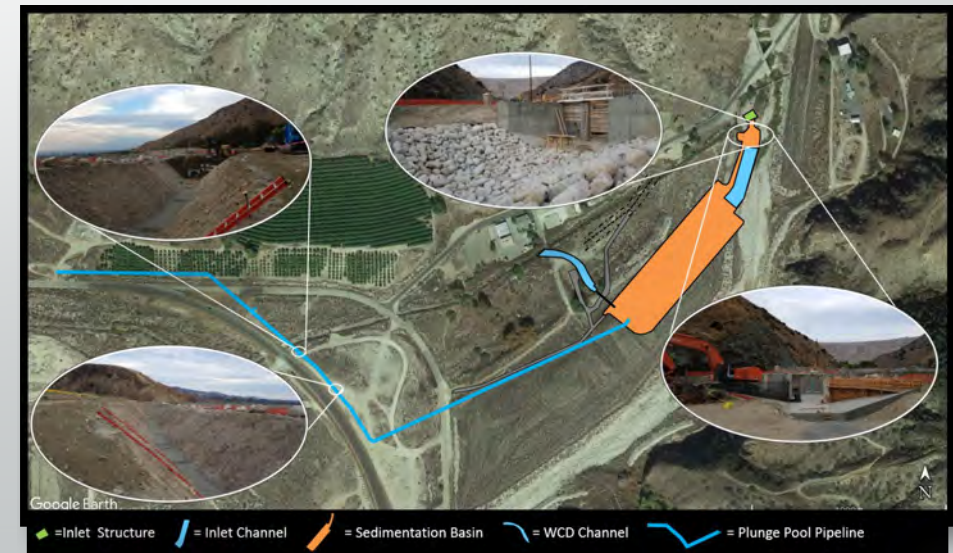
Prop 84 Round 2 Project Status Update



- Plunge Creek Water Recharge and Habitat Improvement (SBVWCD)
- Recycled Water Project Phase I (Riverside Public Utilities)
- Wilson III Basins Project and Wilson Basins/Spreading Grounds (City of Yucaipa)

Proposition 84 Round 2 Amendment Request

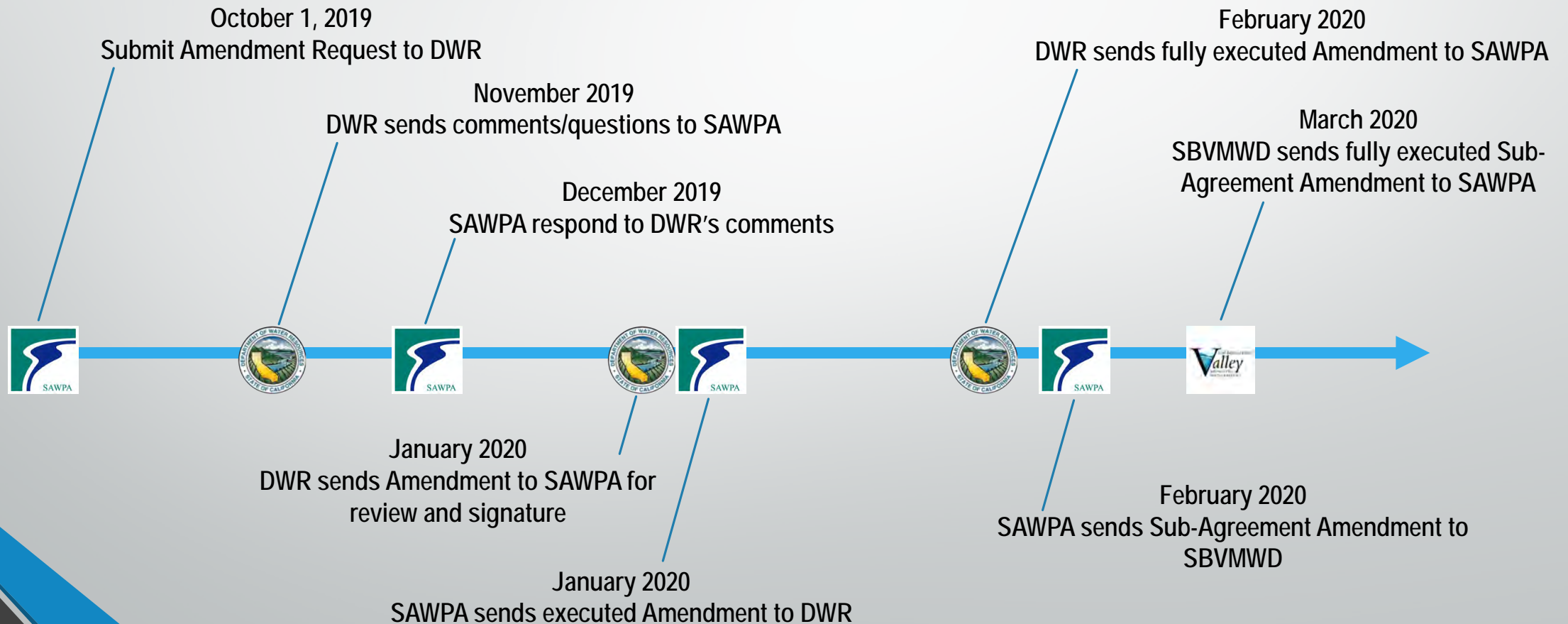
- Enhanced Stormwater Capture / Recharge Along the Santa Ana River
 - 1A (complete)
 - Outside the Wash Plan
 - Diversion and recharge of up to 32,000 AFY and instantaneous flow of 200 cfs



Proposition 84 Round 2 Amendment Request

- Enhanced Stormwater Capture / Recharge Along the Santa Ana River
 - 1B (request to be removed from the scope)
 - Inside the Wash Plan
 - Delayed due to federal land exchange (approved by Congress on March 12, 2019)
 - Requires NEPA
 - Construction delayed until after grant termination date
 - Will still be constructed, but not as part of the grant

Proposition 84 Round 2 Amendment Request



Recommendation

- Receive and file a Proposition 84 Project Status Update