Prop 1 Round 2 IRWM Project Approvals

Ian Achimore, Senior Watershed Manager

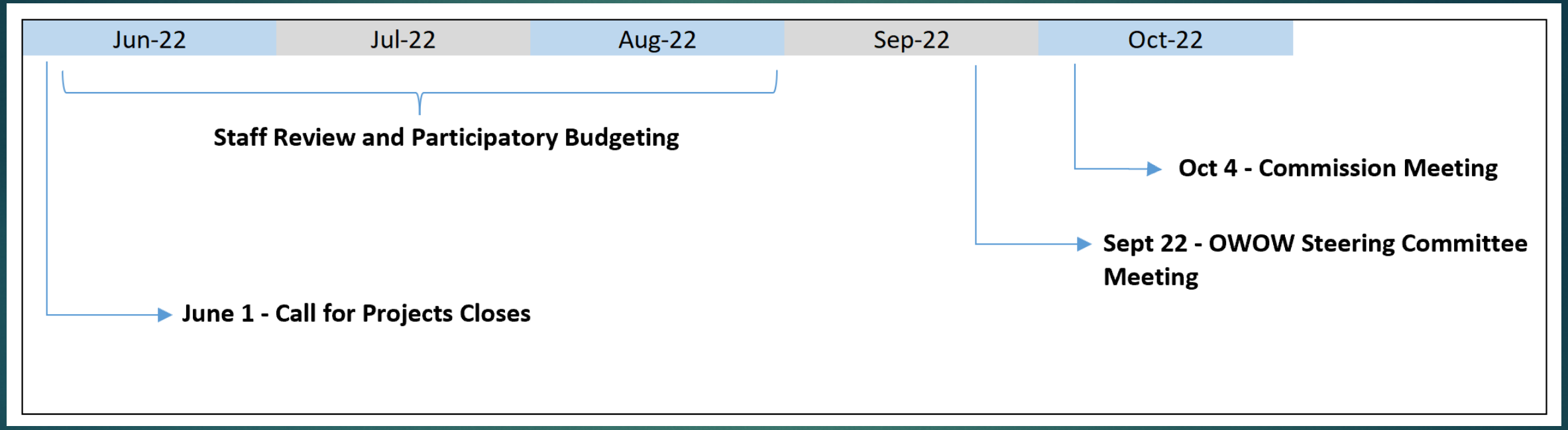
OWOW Steering Committee | September 22, 2022

Agenda Item 4.A

Recommendation

- The OWOW portfolio of ten projects be recommended to the SAWPA Commission in order to receive Proposition 1 IRWM Round 2 grant funding, and
- Confirm that the three North Orange County IRWM projects meet State requirements and thus be included in the Round 2 list of projects to receive grant funding.

Prop 1 Round 2 Schedule



Notes:

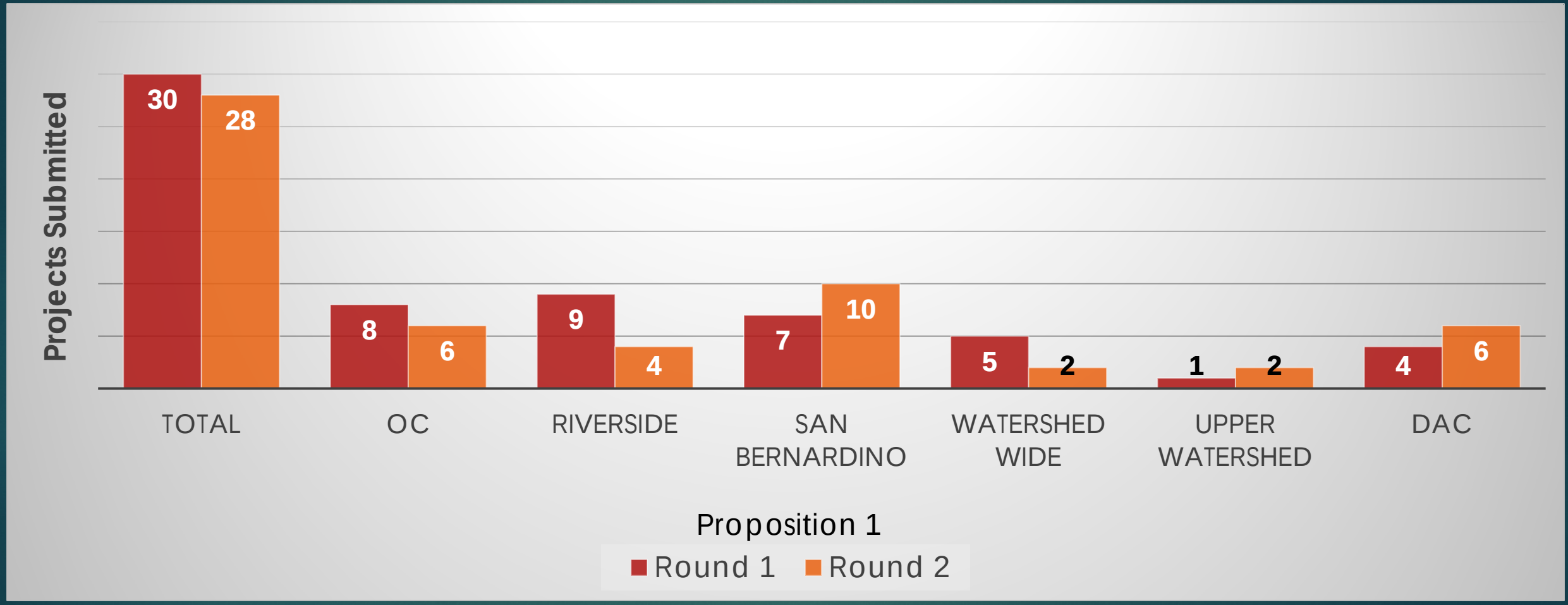
- Application to Department of Water Resources (DWR)due February 1, 2023.
- DWR/SAWPA grant agreement likely executed October 2023.

Prop 1 Round 2 Grant Funding Available for OWOW Process

Category	Project Applications	Grant Requested	Grant Available
Disadvantaged Community	6	$13,116,020	$4,095,000
OWOW General Implementation	18	$54,700,206	$14,435,100
North OC - General Implementation	4	NA	$7,175,543
SAWPA - Grant Administration (4.7% of total grant available)	NA	NA	$1,352,929
Rollover available from Prop 1 Round 1	NA	NA	$2,000,000
Total	**28**	**$67,816,226**	**$29,058,572**

26 projects also submitted applicants in order to be included in the Santa Ana River Watershed IRWM OWOW Plan. Entities often take this action In order to be eligible for other State grant opportunities.

Projects Submitted by County/Region



Note: Includes projects submitted through the North OC IRWM process.

OWOW Ranking Formulas

General Implementation:

$$\left(\sum_{6\ \text{categories}} \left(\frac{x\ benefit}{X\ Benefit} \times \text{WF}\right)\right) + \text{x 10\% of } \sum \text{in ( )}\ (\textbf{If Tribe Lead}) + \text{x 15\% of } \sum \text{in ( )}\ (\textbf{If Regional}) + \text{x 5\% of } \sum \text{in ( )}\ (\textbf{If New and Innovative}) + \text{x 5\% of } \sum \text{in ( )}\ (\textbf{If Non-Profit Partner})$$

DAC:

$$\left(\sum_{3\ \text{categories}} \left(\frac{x\ benefit}{X\ Benefit} \times \text{WF}\right)\right) + \text{x 10\% of } \sum \text{in ( )}\ (\textbf{If Tribe Lead}) + \text{x 5\% of } \sum \text{in ( )}\ (\textbf{If Non-Profit Partner or Lead*})$$

WF = Weighting Factor

*If Non-Profit is the lead, the percentage increases to 10%.

OWOW Grant Funding Allocation Formula

- Purpose is to allocate funding to those top projects based on those top projects share of the sum of the weighted scores, and
- Include any State priority projects near threshold (if applicable).

Project ID	Weighted Score
1	699.90
2	643.89
3	526.26
4	424.44
5	401.53
6	298.39
7	246.87
8	244.25
9	170.26
10	143.83
11	101.49
12	93.87

Top project threshold.

OWOW - Staff Review and Participatory Budgeting

- Staff provided comments to project proponents on June 24,
- There was an opportunity for stakeholders to comment on all projects (comment period from June 29 to July 18),
- Four participatory budgeting workshops held with the lead applicants for them to:
  - Explain/defend their benefits claimed and the geographic areas benefiting, and
  - Come to consensus on the final recommended funding list of DAC and General Implementation projects.
- Consensus was reached with the ranked list and grant funding allocation.

North Orange County IRWM Cooperative Agreement

- In 2018, North OC requested 38% of available Proposition 1 IRWM grant funds to projects in Orange County as selected by their ranking process in the OC IRWM Plan.
- In February 2019, SAWPA Commission adopted the agreement which agreed to the following allocation:
  - North Orange County ranked projects: 30%
  - OWOW ranked projects located in San Bernardino/Riverside counties: 60%
  - OWOW ranked projects that have watershed-wide benefits: 10%
  - There is also a formula in the agreement that allocates any of the unused watershed-wide 10% funding
- Note: DAC Implementation category not allocated by county.

OCSAN

OC Public Works

ORANGE COUNTY WATER DISTRICT

(North OC IRWM Group)

SAWPA's Role in North OC IRWM Projects

- OC Public Works administers process and has a thorough ranking process,
- Per the 2019 agreement, SAWPA to ensure all projects are eligible per Prop 1 requirements released by the State,
  - Agreement states - "projects will be reviewed by the Committee only for compliance with the requirements of the applicable DWR project solicitation."
- These eligibility requirements include:
  - Project to be completed by December 2027,
  - Sufficient local match (at least 50%) provided, and
  - Project has a "useful life" consistent with Government Code 16727.

OC Public Works

Funding Categories

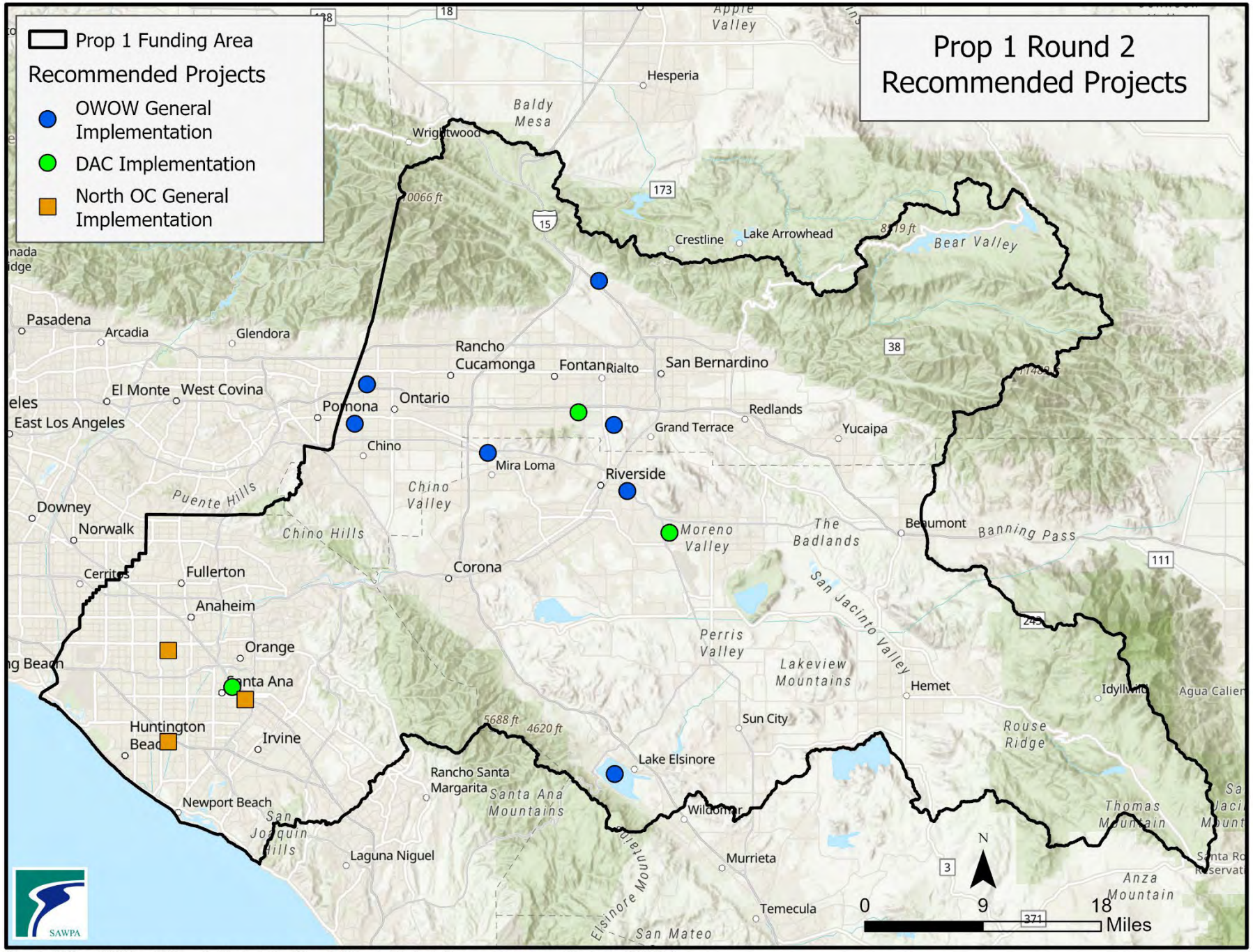
Competition Pools	Grant Amount
DAC	$4,095,000
General Implementation	$14,435,100
Upper Watershed*	$12,372,943
Watershed Wide*	$2,062,157
[redacted]	[redacted]
Watershed Wide Not Utilized	$2,062,157 - $861,400 = $1,200,757

*Not a competition pool, funding gets distributed after projects are submitted and highest scoring projects are determined.

How Non-Utilized Funding Gets Dispersed

- Language included in the North OC Cooperative Agreement:
  - "In the event that selected projects that benefit both the upper and the lower watersheds do not expend any portion of the 10% allocation, any unexpended funds shall be allocated as follows:
    - Thirty-four percent (34%) …. through the OC Plan…., and
    - Sixty-six percent (66%) …. through the OWOW for the upper watershed (area in San Bernardino County or Riverside County)."

Non-Utilized Funds	North OC	OWOW
$1,200,757	$408,257	$792,500
100%	**34%**	**66%**



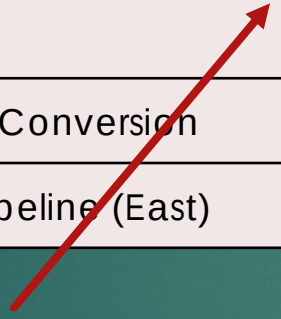
P:\projects\Prop1R2\Prop1R2FundedProjectsMap\Prop1R2FundedProjectsMap.aprx LoProposedProjects SW-3104

General Implementation Project	Applicant	Watershed Wide	Water Supply (AFY)	Water Quality (MGD)	Green-house Gas*	Habitat (Acres)	Flood Protection (Acres)	DAC %	Score	Funding Recom-mendation
Santa Ana River Watershed Weather Modification Pilot	SAWPA	Y	8,200	4.40	6,265	-	-	46%	31.45	$861,400
Etiwanda Intervalley Water Quality and Water Resiliency Phase-1A	JCSD	-	4,355	4.00	3,311	-	-	30%	17.51	$2,954,213
Wellhead Nitrate Treatment for Wells 4 & 27	MVWD	-	4,516	4.03	-	-	-	42%	15.01	$2,533,492
Cable Creek Basin (Upper)	SBCFCD	-	859	-	-	-	390	65%	14.94	$2,521,678
Phase 1 - Lake Elsinore Algae Harvesting and Nutrient Removal	LESJWA	-	-	1.00	-	3,000	-	42%	12.84	$1,500,000
Lake Rialto Habitat Management and Community Open Space	Rialto, City	-	-	5.90	7	10	-	51%	12.74	$2,149,748
Well 2 Replacement	MVWD	-	3,226	2.88	-	-	-	42%	11.89	$2,006,311
City of Rialto Recycled Intertie	IEUA	-	3,500	3.10	-	-	-	25%	10.87	
Santa Ana River Sustainable Parks & Tributaries Water Reuse	SBVMWD	-	5,109	-	-	187	-	38%	10.03	
Calimesa Aquifer Storage and Recovery	YVWD	-	2,890	-	2,197	-	-	37%	9.49	
Well Pump Replacements	MVWD	-	4,194	-	-	-	-	42%	8.90	
Improving Recycled Water Used in Local Groundwater Recharge	WMWD	-	985	3.0	749	-	-	26%	8.81	
Well 4 Replacement	MVWD	-	1,936	1.73	-	-	-	42%	8.76	
Water Well RN #6 Nitrate Removal System	RHWC	-	1,300	1.20	-	-	-	56%	8.22	
Improved Lake Circulation at Prado Regional Park	SBCRP	-	-	4.3	-	62	-	12%	7.47	
Large Landscape Water Efficiency Program	IEUA	-	671	0.04	510	-	-	43%	6.40	
Regional Water Distribution System Leak Detection and Repair	MWDOC	Y	1,338	1.19	1,017	-	-	12%	5.59	
Cactus Basins Connector Pipeline	SBVMWD	-	1,360	-	-	-	-	41%	5.28	

Top project threshold.

*Measured in tons of Greenhouse Gas reduced.

DAC Project	Applicant	Water Supply (AFY)	Water Quality (MGD)	Flood (Acres)	DAC %	Score	Funding Recommendation
New Washington Well	Santa Ana, City	4,000	3.57		85%	17.00	$3,394,743
Lead Service Line Replacements in the Bloomington DAC	WVWD	3,454	3.10		100%	14.72	$315,000
Box Springs Mutual Water Company Well Improvement	California Rural WA	411	0.37		100%	1.93	$1,885,257
Recycled Water Use Expansion	Santa Ana, City	370	-		63%	0.83	
Shamrock and Meridian Septic to Sewer Conversion	Rialto, City	-	0.13		100%	0.29	
Cottonwood Avenue Recycled Water Pipeline (East)	EMWD	90	-		100%	0.20	



Top project threshold.

Notes:

$1.5 million (of $2 million) rolled over from Round 1 to DAC Implementation and the Box Springs Project

$500k (of $2 million) rolled over from Round 1 to General Implementation through the ranking formula.

Further Information on $2 Million Roll Over from Round 1

- Box Springs Mutual Water Company Well Improvement Project (in DAC Implementation competition pool) not able to move forward due to low grant allocation.
- To solve issue, SAWPA moved $1.5 Million (from the $2 Million roll over from Prop 1 Round 1) to Box Springs.
- The other $500,000 (of the $2 Million roll over) was allocated to the top General Implementation projects using the ranking formula.

Justification of $1.5M/$500k Split

- Same question posed in Prop 1 Round 1, but all projects able to move forward in the past with initial amount due to inquires by SAWPA as the Regional Water Management Group (RWMG),
  - We have a unique issue this round due to the low score with the 3rd top DAC project.
- SAWPA/RWMG interested in projects able to move forward with grant provided.
- SAWPA wants to be responsive to comments received in participatory budgeting workshops regarding "per capita" benefits.
- Box Springs's nitrate removal and water quality focused project is consistent with the Prop 1 State requirements and OWOW/IRWM Plan's focus on small water systems.

Requirement for “Back Up” Projects

- Due to DWR’s grant application requirements, we are required to provide “back up” projects that are ranked just below the top projects.
- “Back up” projects are needed in case a selected project cannot proceed forward during the implementation phase from Summer 2023 to December 2027.
- There will be two back up projects – one for DAC and one for OWOW General Implementation.
- The North OC IRWM group prefers to have their funding reallocated between the remaining two projects if one of their three projects cannot move forward.

"Back Up" Project List

Project Name	Project Lead	Grant Request*	Total Cost
Shamrock and Meridian Septic to Sewer Conversion Project (DAC)	City of Rialto	$3,143,400	$3,143,400
City of Rialto Recycled Intertie (General Implementation)	Inland Empire Utilities Agency	$3,000,000	$53,000,000
Grand Totals		**$6,143,400**	**$56,143,400**

*This is the grant request through the OWOW Call for Projects, not the final grant request to DWR. The possible amount granted to the project will depend on the project(s) that drop out during the implementation phase.

OWOW Steering Committee Feedback on Presentation

- Interested in the presentations on each project?
  - Slides 21 through 62 contain information on each of the recommended projects.

OWOW Projects

General Implementation

Santa Ana River Watershed Weather Modification Pilot Project

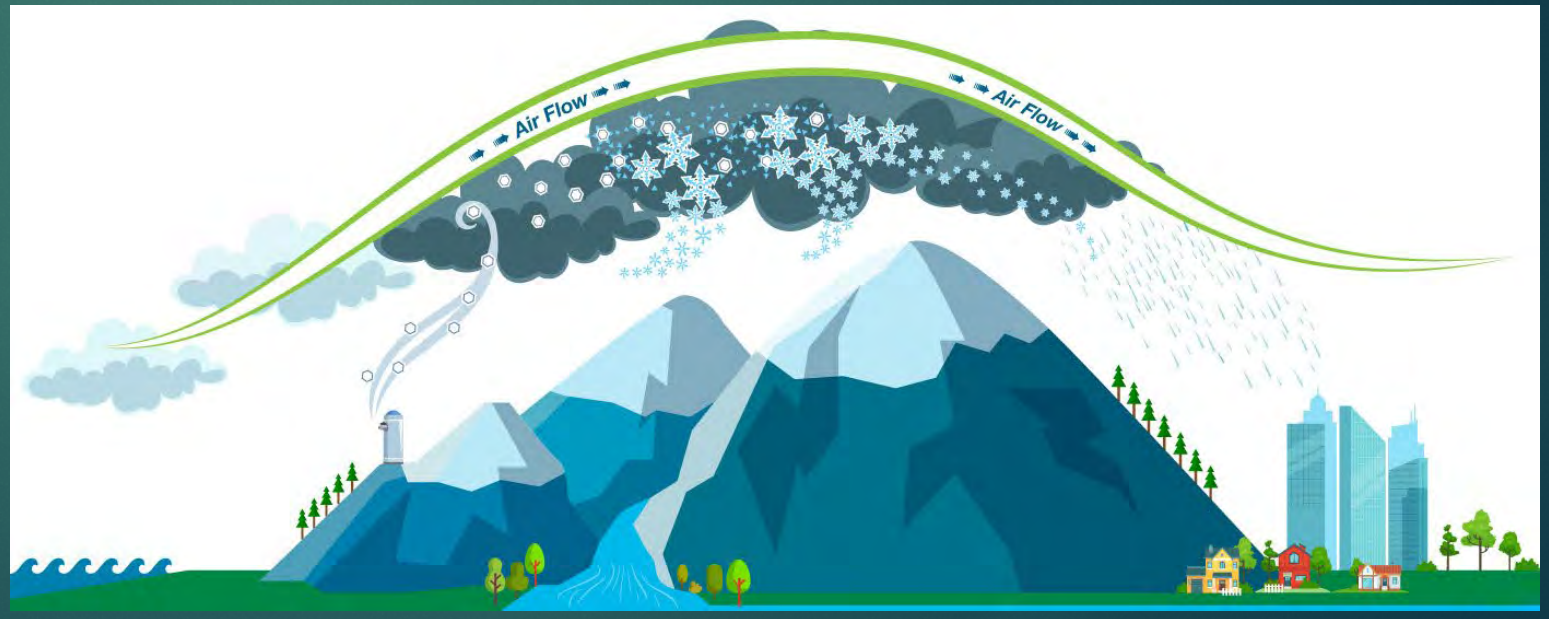
Santa Ana Watershed Project Authority

Issue to be Solved

- Project is to use its results for the potential implementation of a full-scale weather modification for the Santa Ana River Watershed, and serve as a model for other regions to support local water management strategies that address climate change impacts such as droughts.
- Feasibility study indicated a potential 8% increase in watershed streamflow at a 10 to 1 benefit to cost ratio.
- Project will benefit all disadvantaged communities and associated organizations by creating clean local water supply allowing lower water rates and no harm to the watershed.

Scope of the Project

- Project will utilize cloud seeding or precipitation enhancement technology to increase the amount of precipitation in high altitude areas in the Watershed.
- An annual survey will be conducted to validate the model projections and evaluate the amount of capture and recharge of streamflow runoff.



Etiwanda Intervalley Water Quality and Water Resiliency Project Phase-1A

Jurupa Community Services District (JCSD)

Issue to be Solved

- There are water quality issues in JCSD's well fields. 43% of the production capacity (23,100 AFY) are inactivate, another 15% rely solely on blending.
- JCSD needs to secure an additional 12,500 AFY; the Project will provide 20,000 AFY with up to 10,485 AFY observed in Phase 1A
- Project will also provide emergency water to Cucamonga Valley Water District (CVWD) to respond to drought, fire, earthquake, or other disasters

Scope of the Project

- This project will provide surplus groundwater (from CVWDs service area to JCSD), this water is available in the upper portion of Chino Basin.
  - The water will be supplied from one of CVWD's surface water treatment plants (that ties into the Rialto Feeder imported water pipeline) and the wells in the upper portion of Chino Basin.
- The Etiwanda pipeline will flow in both directions (JCSD↔CVWD).
  - This pipeline also serves as a regional backbone with water supply coordination capabilities with WMWD, City of Fontana, RCSD, CDA, and future CBP pipelines.

Wellhead Nitrate Treatment for Wells 4 and 27

Monte Vista Water District

Issue to be Solved

- Wells currently exceed nitrate-related water quality regulations and require blending with State Water Project (SWP) water to reduce the nitrates to meet limits.
  - These wells will not be able to supply water if Metropolitan Water District (MWD) cannot supply sufficient water to MVWD for blending purposes.
- Project will increase the local and reliable water supply to disadvantaged communities making the District less reliant on the SWP for its imported water supplies

Scope of the Project

- Project would provide wellhead nitrate treatment for wells 4 and 27 in MVWD's pressure zone 1.
- This supply will be available on an on-going basis to two water agencies, MVWD and the City of Chino Hills.

Cable Creek Basin (Upper)

San Bernardino County Flood Control District

Issue to be Solved

- The communities within the feasibility study area in the City of San Bernardino include some which are disadvantaged in nature and can experience significant flash flooding from varied terrain.
- The downstream Devils Creek Diversion Channel is designed to accept only 8,600 cubic feet per second (CFS) and 100-year flood events are estimated to be larger.
  - This new basin and the Devils Creek Diversion Channel eventually connect to the Santa Ana River.
- Benefits also include pollutant load reduction, including bacteria.

Scope of the Project

- The proposed basin project will allow for stormwater recharge of up to 859 AFY, which will create new supply for the San Bernardino groundwater basin (near the City of San Bernardino).
- Construction will consist of basin excavation, outlet structure construction, embankment fill, compaction, rock slope protection, spillway construction, access road construction, fencing, demobilization, etc.

Phase 1 - Lake Elsinore Algae Harvesting and Nutrient Removal Project

Lake Elsinore and San Jacinto Watersheds Authority

Issue to be Solved

- Widespread harmful algal blooms (HABs) occur in the lake due to ongoing and legacy nutrient loads and these are exacerbated by persistent drought and heatwaves. Since the last major drought in 2016, monitoring by City of Lake Elsinore and State has shown the ongoing occurrence of toxic HABs throughout the year.
- As a result, the City has been forced to post public health warnings and to close the lake for recreational activities, which has negative impacts on local businesses and tourism.
- The draft revised Total Maximum Daily Load (TMDL) report for Lake Elsinore recognizes that innovative, in-lake remediation projects are needed.

Scope of the Project

- Project includes implementation of innovative algae harvesting technology to address impacts of HABs.
- Project will include use of Hydronucleation Flotation Technology (HFT), an advanced liquid/solid separation process that has been optimized to operate at a high hydraulic rate.

Lake Rialto Habitat Management and Community Open Space Project

City of Rialto

Issue to be Solved

- Project will lead to water quality improvements - both water temperature, nutrient management, and other water quality benefits such as nitrogen and phosphorus bioremediation, and salt uptake by wetland vegetation, and removal of microplastics.
- Project will hold effluent for several days to reduce the temperature, and enable future management actions that currently cannot occur, including the complete dewatering of Rialto Channel to eradicate non-native aquatic predators and providing high flow pulses into the channel to remove sediment,

Scope of the Project

- Project will construct approximately 10 acres of wetlands/vegetation, with an estimated 41 acre-feet of total seasonal storage,
- The lake will be created using recycled water from the City's adjacent water treatment plant. The City currently discharges tertiary treated effluent into a concrete-lined flood control channel that flows into the unlined Rialto Channel,
- An existing dry pit will be reengineered to create a shallow marsh wetland (3 to 4 acres) that receives tertiary treated effluent, and a deeper lake (6 acres) that receives cleaned effluent once it has passed through bio-filtration, providing water temperature and nutrient management benefits.

Well 2 Replacement

Monte Vista Water District

Issue to be Solved

- The current well is out of service due to water quality issues and casing failure.
- MVWD does not have any active groundwater supplies in this area and relies on water from the agency's pressure zone 2 or imported water to feed this zone.
- Project would utilize nitrate treatment infrastructure to comply with drinking water standards to ensure health and safety standards are met.

Scope of the Project

- Project would replace the District's Well 2 with a new production well and a packaged ion exchange system to reduce nitrate contamination.
- Project will also recoat the adjacent tank and upgrade the booster station to deliver water into the District's pressure zone 3.

OWOW Projects

DAC Implementation

New Washington Well Project

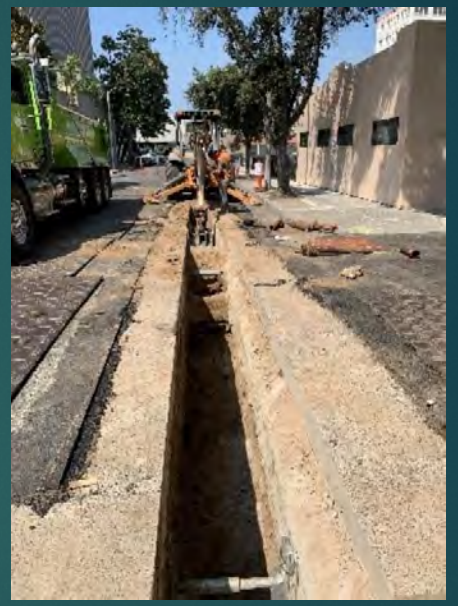
City of Santa Ana

Issue to be Solved

- The project offers a local supply to help to build long term resilience and close the projected gap between future demand and available supply, consistent with both City of Santa Ana and Metropolitan Water District drought management policies.
- The great significance of the benefits of this project is reflected in the Orange County Water District's (OCWD) action to execute an agreement with the City to remove pumping limits and partially exempt the City from Basin Equity Assessment fees including for the proposed project.

Scope of the Project

- Like the City's other wells, the well is to be drilled to a depth of approximately 1,300 feet and be installed with minimum of an 18-inch diameter casing.
- The design capacity of the well will be about a 2,500 to 3,000 gallons per minute well pump flow range.
- The water produced will be disinfected using sodium hypochlorite before it is discharged into the water distribution system.



Water Quality: Lead Service Line Replacements in the Bloomington DAC

West Valley Water District

Issue to be Solved

- The recently updated national lead and copper water quality regulations require removing lead from drinking water systems and better protecting communities especially schools and childcare facilities.
- The rule will require community water systems to inventory water service lines from the water main to the building inlet,
  - This must be done even if that portion of the service line is owned by the property owner.

Scope of the Work

- The project entails eliminating sources of lead by removing lead service lines and fittings, even on the portion's owned by the property owner and replacing them at no cost to the owner.
  - Funding provided directly to the community need.
- The number of water services in the Bloomington DAC is 4,161, which had a consumption demand of 3,454 acre-feet in calendar year 2021

Box Springs Mutual Water Company Well Improvement Project

California Rural Water Association

Issue to be Solved

- The Mutual Company's sole production well does not meet State standards for water quality (nitrates) or sanitary seal.
- Drilling to lower water bearing zones will decrease the susceptibility of nitrate contamination and secure a source even if the water table declines.
- The well will allow the system to avoid purchasing water from the neighboring system which will decrease its costs as well as free up storage space currently used for water blending.

Scope of the Project

- The new 1,050 GPM well will be drilled to identify low nitrate water zones and secure a low nitrate source for the system.
- A diesel, pad mounted generator and automatic transfer switch will be installed to provide emergency standby power.
- The new well is to become the primary source for the entire system.

North Orange County Projects

Project Name	Project Lead	Grant Award	Total Cost
Orange County Regional PFAS Groundwater Treatment Program in Santa Ana and Garden Grove	Orange Count Water District	$4,200,000	$11,100,000
Santa Ana Zoo Stormwater Capture and Diversion Project	City of Santa Ana	$2,603,525	$5,000,000
Making Conservation an Orange County Way of Life	Municipal Water District of Orange County	$780,275	$2,783,200
Grand Totals		**$7,583,800**	**$18,883,200**

Presenter: Christy Suppes
Senior Environmental Resources Specialist
OC Public Works

ORANGE COUNTY REGIONAL PFAS GROUNDWATER TREATMENT PROGRAM IN THE CITIES OF GARDEN GROVE AND SANTA ANA

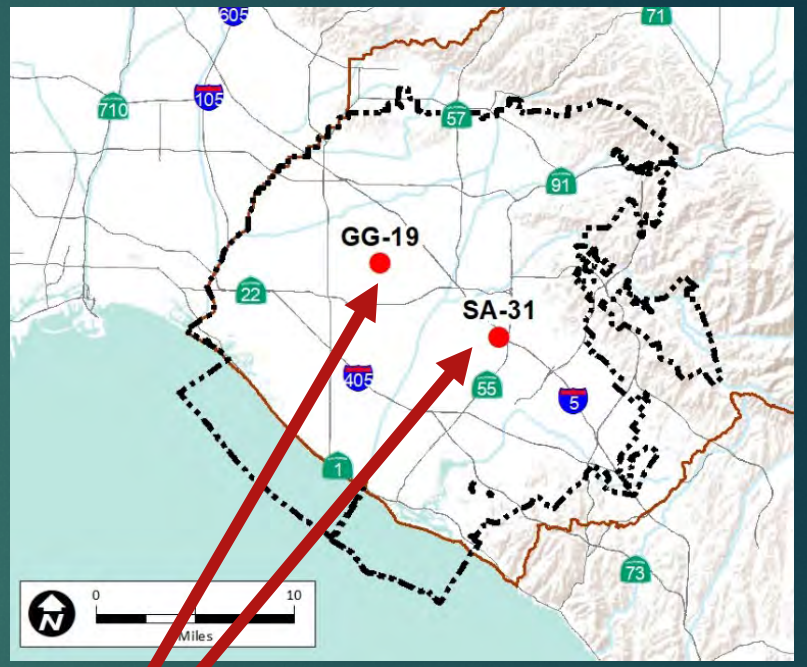
Orange County Water District

Issue to be Solved

- 59 groundwater production wells (within 10 retail water agency service areas) in OCWD's basin are shutdown due to Pre and Polyfluoroalkyl Substances (PFAS) contamination.
  - PFAS are a group of manmade chemicals that are used to make carpets, clothing, fabrics for furniture, food packaging, cookware, and other materials to make them non-stick and/or resistant to water, oil, and stains.
  - They are also used in several industrial processes and firefighting activities.
- Affected groundwater producer is forced to purchase imported water supply ($1,143/AF) to replace PFAS-contaminated groundwater supply ($558/AF)

Scope of the Project

- OCWD provides technical and financial assistances to groundwater producers (i.e. Garden Grove and Santa Ana) in order to recover groundwater supply lost to PFAS contamination
  - OCWD pays 100% of capital construction costs and 50% of annual operation and maintenance (O&M) cost for 30 years
- Project benefit includes 2,000 AF of local groundwater supply which will be treated through new ion exchange facilities to remove of PFAS
  - Ion exchange resins are “like tiny powerful magnets that attract and hold the contaminated materials from passing through the water system.” (EPA Website, August 23, 2018)



Project locations

Santa Ana Zoo Stormwater Capture and Diversion Project

City of Santa Ana

Issue to be Solved

- Water quality protection of downstream water bodies
  - Preliminary pollutant load analysis: 165 lbs of Nitrates and 11,382 lbs of sediment removed from Newport Bay per year.
- Provide locate water source
  - 67 AFY of stormwater and dry-weather runoff infiltration via subsurface stormwater capture/drywell system,
- Project partners:
  - The City is currently working with Caltrans to partner on the Project via a Cooperative Implementation Agreement ($1.25 million) and has received letters of support for the Project from Caltrans, Orange County Coastkeeper, and the Santa Ana Regional Water Quality Control Board

Scope of the Project

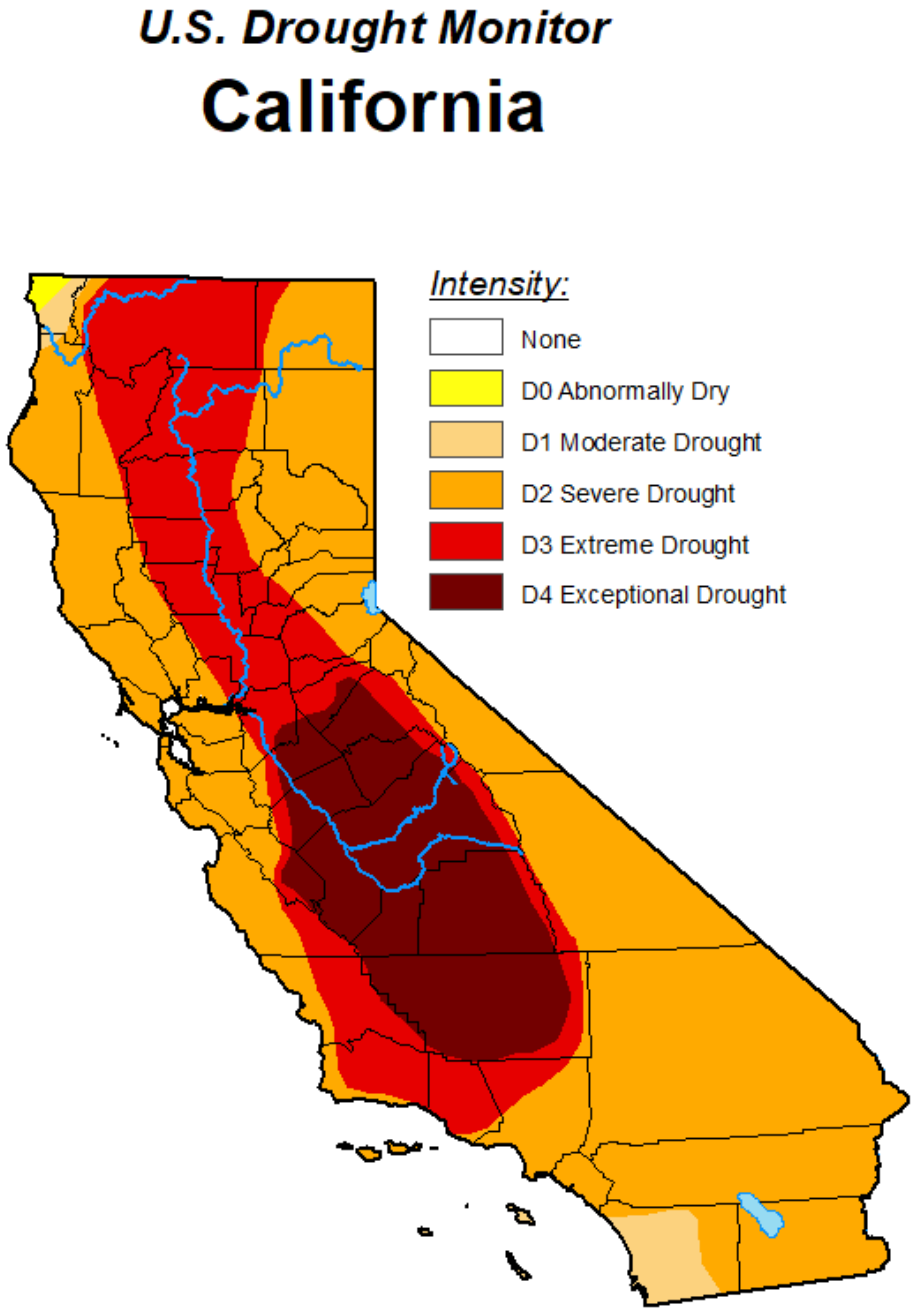
- Construction of a large subsurface stormwater infiltration system and a smaller subsurface stormwater infiltration system
- Implement a Hydrodynamic Separation Device to remove trash from the drainage area.
- Construct new 15,000 sq-ft urban green space area, diversion structure, flow meter system, bioswales, picnic areas, drought tolerant landscaping and shade trees, and interpretive signage promoting watershed and water quality education to the 250,000 annual Zoo visitors.

Making Conservation an OC Way of Life

Municipal Water District of Orange County

Issue to be Solved

- "Making Water Conservation a California Way of Life" law/regulations that require water agencies to adhere to water use efficiency budgets.
- Current drought conditions that affect Southern California.
- The Governor's recent call for water conservation.



(August 30, 2022)

Scope of Work

- Convert 14-acres of grass to drought tolerant landscapes incorporated with stormwater capture features.
- Install approximately 3,200 smart irrigation timers, 1,450 high efficiency nozzles, and 250 rain barrels.
- Transform up to 6 acres of landscape from spray to drip irrigation.
- Create 150 publicly available water efficient landscape designs.
- Install up to 3,850 low-flush toilets and 3,600 water efficient clothes washers.
- Update industrial water using processes at approximately 3 facilities.

OWOW Projects Recom-mended for Funding

Project Name	Project Lead	Grant Award	Total Cost
One Water One Watershed – General Implementation Projects			
Santa Ana River Watershed Weather Modification Pilot Project	Santa Ana Watershed Project Authority	$861,400	$1,722,800
Etiwanda Intervalley Water Quality and Water Resiliency Project Phase-1A	Jurupa Community Services District	$2,954,213	$28,505,400
Wellhead Nitrate Treatment for Wells 4 & 27	Monte Vista Water District	$2,533,492	$6,950,000
Cable Creek Basin Upper	San Bernardino County Flood Control District	$2,521,678	$20,000,000
Phase 1 - Lake Elsinore Algae Harvesting and Nutrient Removal Project	Lake Elsinore and San Jacinto Watersheds Authority	$1,500,000	$3,000,000
Lake Rialto Habitat Management and Community Open Space Project	City of Rialto	$2,149,748	$8,000,000
Well 2 Replacement	Monte Vista Water District	$2,006,311	$8,675,000
Disadvantaged Community Implementation Projects			
New Washington Well Project	City of Santa Ana	$3,394,743	$7,387,555
Water Quality: Lead Service Line Replacements in the Bloomington DAC	West Valley Water District	$315,000	$390,000
Box Springs Mutual Water Company Well Improvement Project	California Rural Water Association	$1,885,257	$1,893,000
Grand Totals		**$20,121,843**	**$86,523,755**

Final Grant Funding With Changes from Slide 4

Category	Projects Recommended	Grant Available
Disadvantaged Community	3	$5,595,000*
OWOW - General Implementation	7	$14,526,843**
North OC - General Implementation	3	$7,583,800***
SAWPA - Grant Administration (4.7% of total grant available)	NA	$1,352,929
Grand Total	13	$29,058,572

*Reflects an increase of $1.5 million (from $2 million available from Round 1).
**Reflects an increase of $500k (from $2 million available from Round 1), and a reduction of $408,257 due to transferring a portion of the unutilized watershed-wide amount to North Orange County IRWM.
***Reflects an increase of $408,257 due to the transferring of a portion of the unutilized watershed-wide amount.

Recommendation

- The OWOW portfolio of ten projects be recommended to the SAWPA Commission in order to receive Proposition 1 IRWM Round 2 grant funding, and
- Confirm that the three North Orange County IRWM projects meet State requirements and thus be included in the Round 2 list of projects to receive grant funding.

OWOW Plan Update 2018 Plan Amendment with Additional Project List

Ian Achimore, Senior Watershed Manager

OWOW Steering Committee | September 22, 2022

Agenda Item 4.B

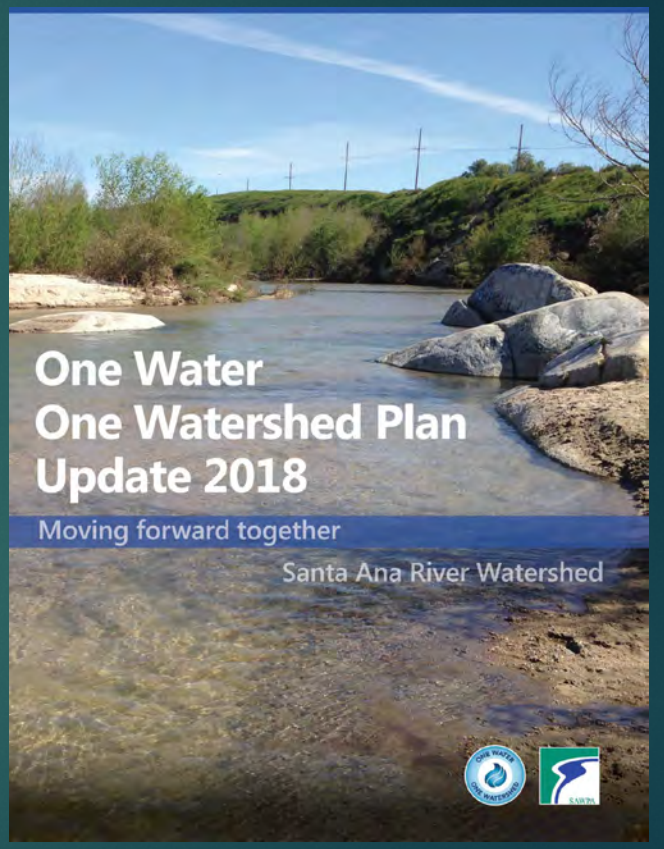
Recommendation

The Steering Committee recommend to the SAWPA Commission that it amend the OWOW Plan Update 2018 with an appendix that includes:

A. 27 “plan only” projects submitted via the 2022 Call for Projects,
B. 24 projects that requested Proposition 1 Round 2 funding via the 2022 Call for Projects, and
C. Three projects from the 2022 North Orange County IRWM Call for Projects.

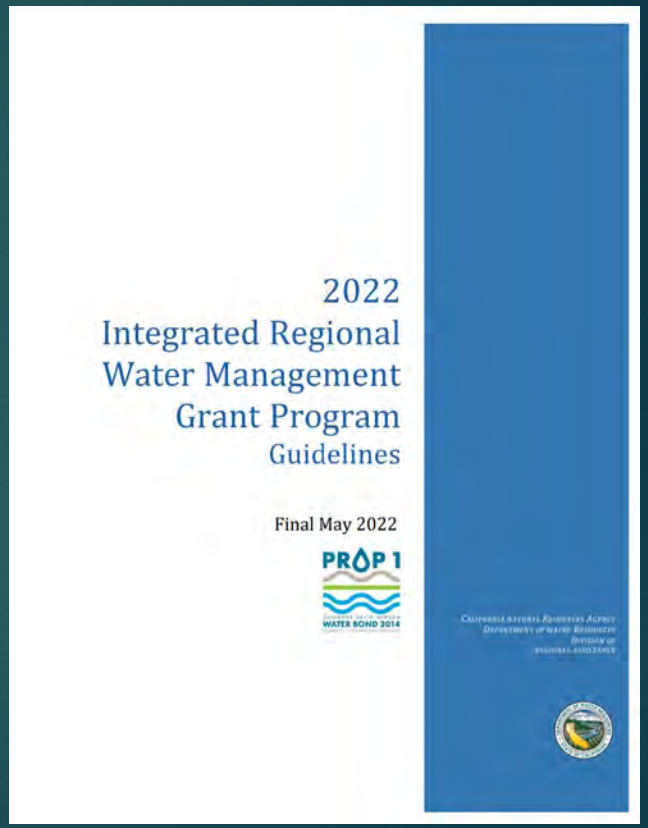
Projects to be Included in Plan Amendment

- The IRWM Plan for the Santa Ana River Watershed, the OWOW Plan Update 2018, has been certified by the DWR for meeting the 2016 IRWM plan standards.
- Through the OWOW Call for Projects, 24 projects were submitted to SAWPA for funding and incorporation into the Plan.
  - 26 were submitted to just be incorporated into the Plan (i.e. “plan only” projects).
- Through the North Orange County IRWM **three projects** were submitted for funding and **one** was submitted to be included in the IRWM Plan from Orange County Public Works.



Connection to DWR Grant Application

- Per the DWR grant guidelines, projects approved for funding need to be included in the OWOW Plan which require formal adoption by this Committee.
- DWR guidelines states: “Projects must be included in an adopted IRWM Plan that is consistent with [plan standards]. The applicant must demonstrate that the project is listed in the IRWM Plan project list.”
  - This action is important for the ten OWOW projects and three North Orange County projects recommended for funding so they are eligible in the grant application SAWPA will submit to the DWR in February 2023.



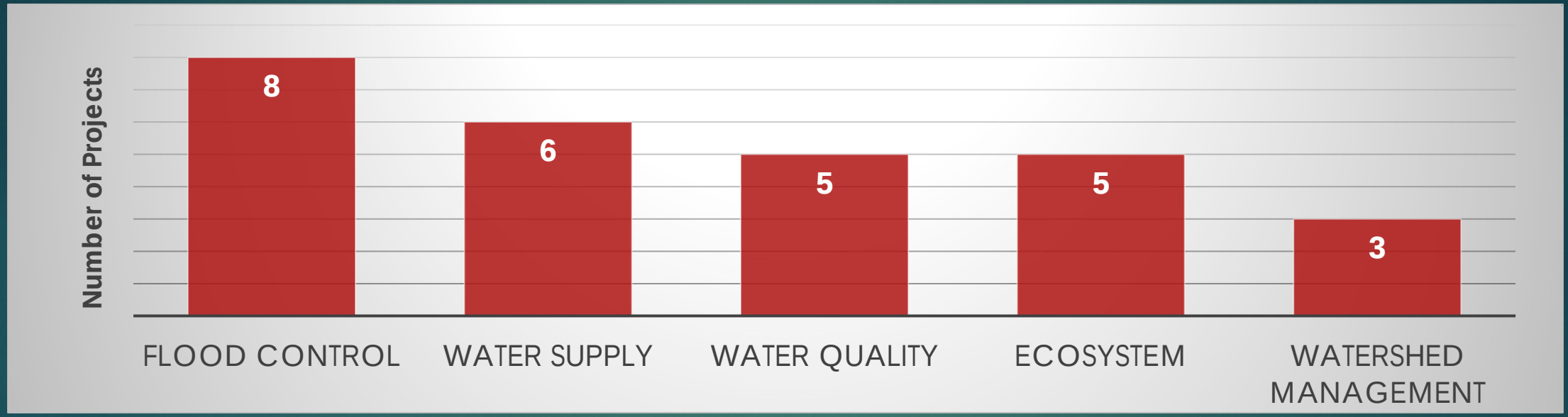
Relationship to OWOW Plan Goals

- The OWOW Plan describes the process for adding new projects.
- Most importantly, the projects must implement the six goals of the OWOW Plan:

  - Achieve **resilient water resources** through innovation and optimization.
  - Ensure **high-quality water** for all people and the environment.
  - Preserve and enhance recreational areas, **open space**, habitat, and natural hydrologic function.
  - Engage with members of **disadvantaged communities** to diminish environmental injustices.
  - **Educate and build trust** between people and organizations.
  - Improve **data integration**, tracking, and reporting to strengthen decision making.

- SAWPA staff has analyzed "plan only" projects and they comply with the OWOW Plan Update 2018.

“Plan Only” Projects Submitted by Major Benefit Category



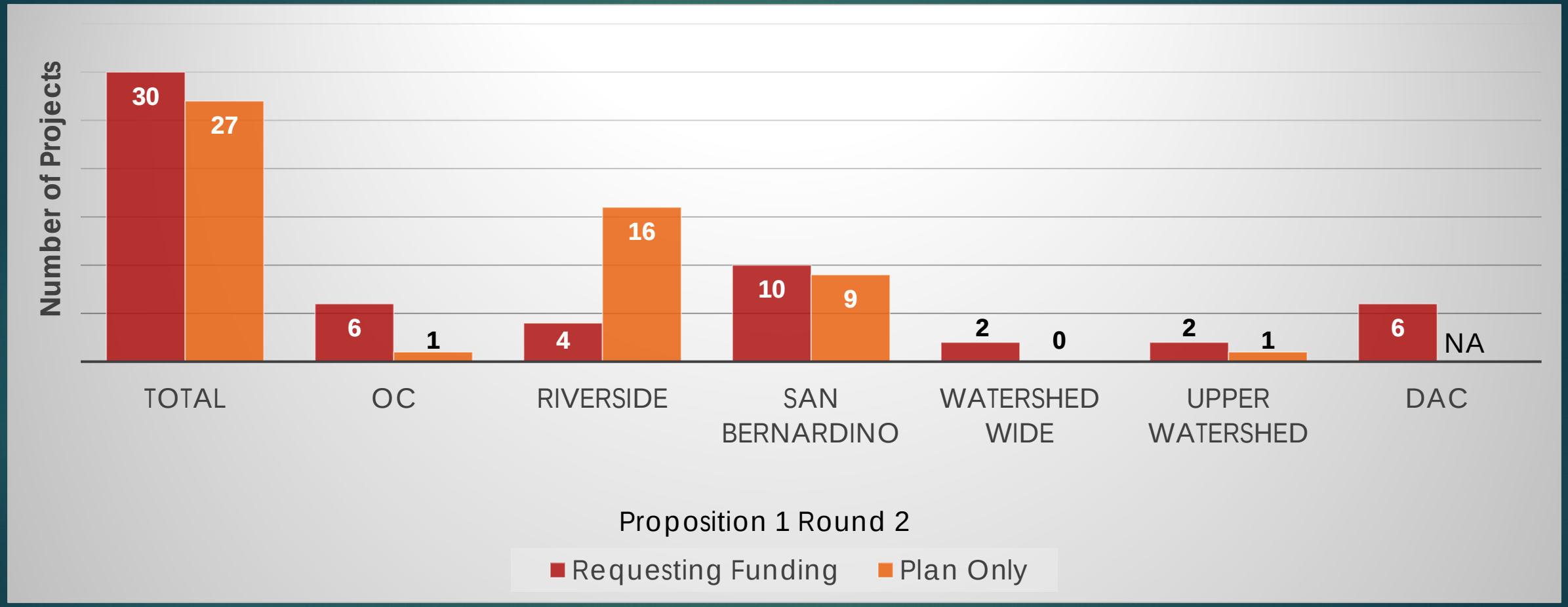
Notes:

- Many projects have more than one benefit category. Just the major category is shown for illustration purposes.
- Includes projects submitted through the North OC IRWM process.

Lead Agency Name	“Plan Only” Project Name	Major Benefit
City of Anaheim	State College Boulevard Stormwater Capture	Water Quality
City of Calimesa	Calimesa Channel Stage 3	Flood Control
City of Corona, Utilities Department	Temescal Basin Stormwater Capture and Recharge	Water Supply
City of Hemet	City of Hemet Salt Creek Mitigation Project	Ecosystem
City of Perris	Bradley Channel Enhancement Project	Water Quality
City of Wildomar	Sedco MDP Line F-2	Flood Control
Eastern Municipal Water District	Lakeview Subbasin Recharge Feasibility Study	Water Supply
Inland Empire Utilities Agency	East-West Pipeline Project	Water Supply
Riverside County Flood Control District	Bedford Canyon Channel, Stage 1	Flood Control
Riverside County Flood Control District	Box Springs Groundwater Recharge at Kansas Basin	Water Supply
Riverside County Flood Control District	Day Creek Channel Water Conservation Restoration	Ecosystem
Riverside County Flood Control District	Eastvale Line D	Water Quality
Riverside County Flood Control District	Eastvale Line E	Water Quality
Riverside County Flood Control District	Good Hope – Olive Avenue Storm Drain, Stages 1,2	Flood Control
Riverside County Flood Control District	Lakeland Village MDP Line H	Flood Control
Riverside County Flood Control District	Marshall Creek, Stage 1	Flood Control
Riverside County Flood Control District	North Norco Channel, Stage 11	Flood Control
San Bernardino Valley Municipal Water District	Foothill Pipeline Protection at City Creek	Flood Control
San Bernardino Valley Municipal Water District	Headwaters Program	Watershed Mgmt
San Bernardino Valley Municipal Water District	Highland Hills Project	Water Supply
San Bernardino Valley Municipal Water District	Lytle Creek/Cajon Creek Mitigation Lands	Ecosystem
San Bernardino Valley Municipal Water District	Rialto Channel Habitat Restoration	Ecosystem
San Bernardino Valley Municipal Water District	South Mesa Water Co. Turnout & Recharge Basin	Water Supply
San Bernardino Valley Municipal Water District	Sunnyslope Creek Water Security & Restoration	Ecosystem
San Bernardino Valley Municipal Water District	Tres Lagos Project	Watershed Mgmt
San Bernardino Valley Municipal Water District	Wildfire Prevention in the Santa Ana River	Watershed Mgmt
UC Riverside - Environmental Health & Safety	UCR Gage Basin Green Infrastructure Restoration	Water Quality

Lead Agency Name	Projects Seeking Funding Name
San Bernardino County Flood Control District	Cable Creek Basin (Upper)
San Bernardino Valley Municipal Water District	Cactus Basins Connector Pipeline
Yucaipa Valley Water District	Calimesa Aquifer Storage and Recovery
Inland Empire Utilities Agency	City of Rialto Recycled Intertie
Jurupa Community Services District	Etiwanda Intervalley Water Quality and Water Resiliency Project Phase-1A
San Bernardino County Regional Parks	Improved Lake Circulation at Prado Regional Park
Western Municipal Water District	Improving Recycled Water Used in Local Groundwater Recharge
City of Rialto	Lake Rialto Habitat Management and Community Open Space Project
Inland Empire Utilities Agency	Large Landscape Water Efficiency Program
Municipal Water District of Orange County	Making Conservation an Orange County Way of Life
Orange County Water District	Orange County Regional PFAS Groundwater Treatment Program
Lake Elsinore and San Jacinto Watersheds Authority	Phase 1 - Lake Elsinore Algae Harvesting and Nutrient Removal Project
Municipal Water District of Orange County	Regional Water Distribution System Leak Detection and Repair Program
San Bernardino Valley Municipal Water District	Santa Ana River Sustainable Parks & Tributaries Water Reuse (Purple Pipe)
Santa Ana Watershed Project Authority	Santa Ana River Watershed Weather Modification Pilot Project
City of Santa Ana	Santa Ana Zoo Stormwater Capture and Diversion Project
Riverside Highland Water Company	Water Well RN #6 Nitrate Removal System
Monte Vista Water District	Well 2 Replacement
Monte Vista Water District	Well 4 Replacement
Monte Vista Water District	Well Pump Replacements
Monte Vista Water District	Wellhead Nitrate Treatment for Wells 4 & 27
California Rural Water Association	Box Springs Mutual Water Company Well Improvement Project
Eastern Municipal Water District	Cottonwood Avenue Recycled Water Pipeline (East)
City of Santa Ana	New Washington Well Project
City of Santa Ana	Recycled Water Use Expansion Project
City of Rialto	Shamrock and Meridian Septic to Sewer Conversion Project
West Valley Water District	Water Quality: Lead Service Line Replacements in Bloomington DAC

Projects Submitted by Region



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