ONE WATER ONE WATERSHED
PROPOSITION 84 - IRWM ROUND 4 PROJECTS

Who is SAWPA?

SAWPA is a Watershed Agency Focused on Regional Water Issues

Formed originally in 1968 as a planning agency, the Santa Ana Watershed Project Authority (SAWPA) was created to help resolve interagency conflicts and address regional water issues in the Santa Ana River watershed. SAWPA tackles issues related to water supply reliability, water quality improvement, recycled water, wastewater treatment, groundwater management, and brine disposal.

SAWPA's Role

SAWPA Manages One Water One Watershed Program

SAWPA serves as the program manager, grant applicant, primary grantee, and grant administrator on behalf of local project sponsors participating in the OWOW Program. SAWPA is responsible for submitting required reports and managing invoices and grant disbursements from the state. SAWPA provides final direction, review, and approval for all decisions made for the program through the OWOW Steering Committee and OWOW Pillars.

SAWPA Supports its Member Agencies and Other Organizations with Water Planning

SAWPA is a Joint Powers Authority of five member agencies that supports water resources planning: Eastern Municipal Water District, Inland Empire Utilities Agency, Orange County Water District, San Bernardino Valley Municipal Water District, and Western Municipal Water District. SAWPA seeks to create and facilitate partnerships with and between organizations pursuing shared interests and overall watershed sustainability. Our regional leadership provides a model of collaboration and cooperation utilizing integrated solutions. SAWPA's Mission is to:

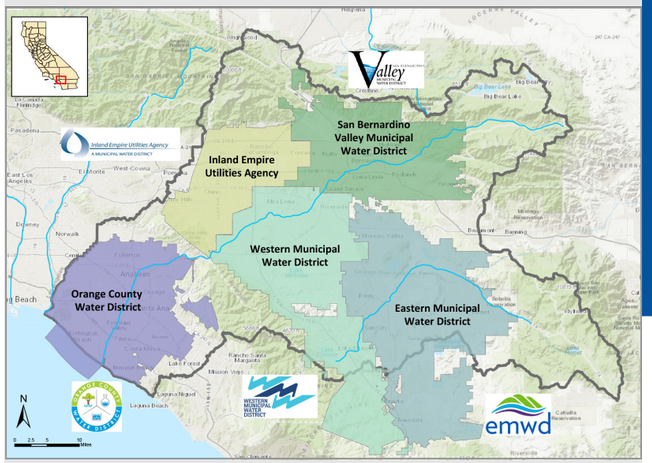
- Facilitate communication
- Identify emerging opportunities
- Develop regional plans
- Secure funding
- Implement programs
- Build projects
- Operate and maintain facilities

The **One Water One Watershed Program** is one of our success stories – additional information about SAWPA programs can be found at **www.sawpa.org.**

Other SAWPA Regional Planning Efforts

Middle Santa Ana River TMDL Task Force
Emerging Constituents Program Task Force
Basin Monitoring Program Task Force
Imported Water Recharge Workgroup
Regional Water Quality Monitoring Task Force
Santa Ana Sucker Conservation Team
Lake Elsinore and Canyon Lake TMDL Task Force
Forest First
WECAN
Arundo Habitat Management
Lake Elsinore & San Jacinto Watersheds Authority

SAWPA Member Agencies



Learn More and Contact Information

For the latest information on the One Water One Watershed Program, please visit:

www.sawpa.org/owow-program/prop-84-2015-round-2/

www.CAWaterLibrary.net

Contact Mark Norton at **mnorton@sawpa.org**

What is One Water One Watershed (OWOW)?

OWOW reflects a comprehensive view of the watershed and water issues encompassing all sub-regions, political jurisdictions, water agencies, and non-governmental stakeholders in the watershed. It is one in which all types of water (imported, local surface and groundwater, stormwater, and wastewater effluent) are viewed as components of a single water resource linked to land use and habitat supporting natural hydrology in the watershed.

One Water One Watershed Plan

OWOW is part of the California Department of Water Resources (DWR) Integrated Regional Water Management (IRWM) Program which promotes collaborative planning and water resources management. The OWOW IRWM Plan for the Santa Ana River watershed was written using a "bottom up" approach to ensure that key discussions of major water resource issues, concerns, problems, goals, and objectives and potential solutions originated and were fully vetted at the stakeholder level.

The OWOW Plan is led by an 11-member **Steering Committee** composed of representatives from the counties, municipal water agencies, flood control districts, private sector, and environmental and regulatory communities within the watershed. The Steering Committee is supported by watershed-wide technical experts assembled into 10 working groups, known as the **OWOW Pillars** that each focus on major water resource management strategies. The Pillars, the Steering Committee, and SAWPA work together to develop the OWOW Plans and coordinate IRWM funding efforts.

What is Prop 84 IRWM Funding?

Prop 84 IRWM authorized $1 billion of general obligation bonds to be made available for water-related projects throughout the state. Funding was distributed through four rounds.

Round 4: Increase Water Supply

During ***Round 4,*** SAWPA was awarded ***$64.3 million*** in grant funding for ***3 projects*** that focus on ***increasing water supply***, particularly for ***groundwater banking.***

Supports ***water recycling*** through separation of high saline brine from wastewater flows

Improves ***flood control*** and ***groundwater recharge***

Creates ***water banking***, improves habitat and increases ***water-use efficiency***

2016 TO 2021 The grant contract runs from ***November 2016 > December 2021***

OWOW supports watershed level thinking through the One Water One Watershed Plan.

How does IRWM Funding Work?

IRWM Implementation Grants

Prop 84 IRWM authorized $1 billion to be made available for grants that protect the long-term water needs of the state. Benefits ideally funded through the OWOW Program would align with OWOW goals:

- Provide reliable water supply
- Preserve and enhance the environment
- Promote sustainable water solutions
- Ensure high quality water for all users
- Provide economically effective solutions
- Improve regional integration and coordination
- Manage rainfall as a resource
- Preserve open-space and recreational opportunities
- Maintain quality of life

Project Rating and Ranking

The scoring criteria approved by the OWOW Steering Committee aim to address the goals and objectives of the OWOW Plan and awards points based on:

- Santa Ana River watershed benefits
- Water supply benefits
- Hydrology and flood control benefits
- Enhancement of natural environment
- Pollution management
- Cost efficiency
- Benefits to disadvantaged communities

OWOW Project Selection Process

Call for Projects

Preliminary Screening

Project Review

Grant Awards

Project Highlight

Santa Ana River Conservation and Conjunctive Use Program (SARCCUP)

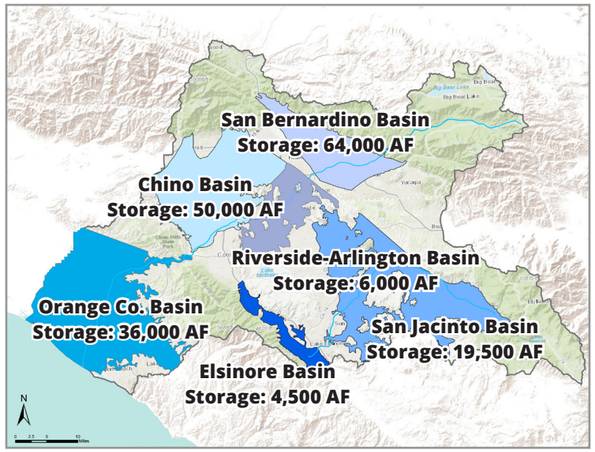
SAWPA, Orange County Water District, Inland Empire Utilities Agency, San Bernardino Valley Municipal Water District, Western Municipal Water District, and Eastern Municipal Water District

SARCCUP is an expansive collaborative program that improves the Santa Ana River watershed's water supply resiliency through additional dry-year yield and is a concerted effort between SAWPA and its five member agencies as well as the Inland Empire Waterkeeper and Orange County Coastkeeper. SARCCUP will conserve water, promote water use efficiency, and improve habitat for a native, threatened species which will help facilitate obtaining permits from the State and Federal wildlife agencies for water supply projects along the Santa Ana River. SARCCUP received a $55M grant through Round 4 of Prop 84 grant funding and $107M of cost share was provided by the five SAWPA member agencies.

SARCCUP Component	New Water Supply
Conservation based water rates savings	804 acre-feet per year (AFY)
Water savings from Arundo removal	12,800 AFY
Groundwater Bank & Stormwater Capture	180,000 AF

Water supply conserved and created through SARCCUP efforts.

SARCCUP Watershed Map



Groundwater banks are physically connected and share water savings.

3 Components of SARCCUP

SARCCUP Groundwater Banking

With 1,000,000 acre-feet (AF) of potential storage capacity in the Santa Ana River watershed groundwater basins, SARCCUP plans to increase dry year yield by 180,000 AF over 10 years. Dry year yield is a recovery program where supplemental water is stored in a groundwater basin during wet years and extracted from the basin when the availability of other water sources is limited.

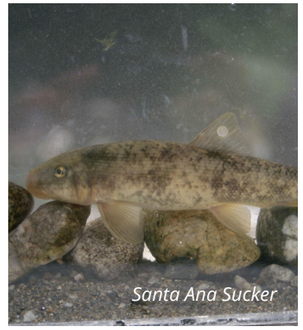
The program will construct recharge ponds and/or extraction wells in various banking locations to take full advantage of wet year supplies. All five agencies will share equally in the dry year yield. A Decision Support Model was built to simulate SARCCUP Operations to identify how water moves throughout the watershed and the SARCCUP facilities to plan for future phases of groundwater banking.

SARCCUP Habitat Improvement

SARCCUP will remove approximately 640 acres of invasive weed Arundo Donox in the Santa Ana River Watershed and will construct an estimated 41 acres of riparian vegetation for the Santa Ana sucker (*Catostomus santaanae*) fish habitat along 3.5 miles of stream.

SARCCUP Water Use Efficiency

SARCCUP will support five retail water agencies implement conservation-based water rates and implement the Smartscape Program with Inland Empire Waterkeeper to provide education on sustainable landscaping and irrigation maintenance practices for an estimated water savings of 2,412 acre-feet over a three-year period.


Santa Ana Sucker

Increase sustainable landscaping practices

OWOW Prop 84, Round 4 Projects

Project, Local Project Sponsor and Grant Award Allocation	Project Description
Newhope Sewer Replacement Project Orange County Sanitation District (OCSD) *$1,000,000*	The project will increase OSCD's sewer flow capacity for current and future sewer flows and will redirect approximately 8 million gallons per day of sewer flows for treatment before being sent to the Groundwater Replenishment System.
2015 Integrated Watershed Protection Program Riverside County Flood Control and Water Conservation District $5,054,302	The 2015 Integrated Watershed Protection Program is a three part project: • *Heackock Channel -* will prevent potential exposure of contaminated ground water to surface water and provide flood protection to Moreno Valley. • *Bautista Optimization Pond -* will expand upon the existing recharge facilities with an approximate benefit of 1,2000 acre feet per year. • *Beaumont MDP-Line 16 -* will install a water conveyance pipeline to connect recharge ponds to areas that collect stormwater from a tributary area of approximately 500 acres.
Santa Ana River Conservation and Conjuctive Use Program SAWPA Member Agencies *$55,000,000*	SARCCUP is a multi-agency, watershed-wide conjunctive use program creating 69,439 acre-feet per year of new, dry-year supply by banking wet-year water, improving habitat and water conservation. There are three main components to the SARCCUP project: 1. Groundwater Banking 2. Habitat Improvement 3. Water Use Efficiency