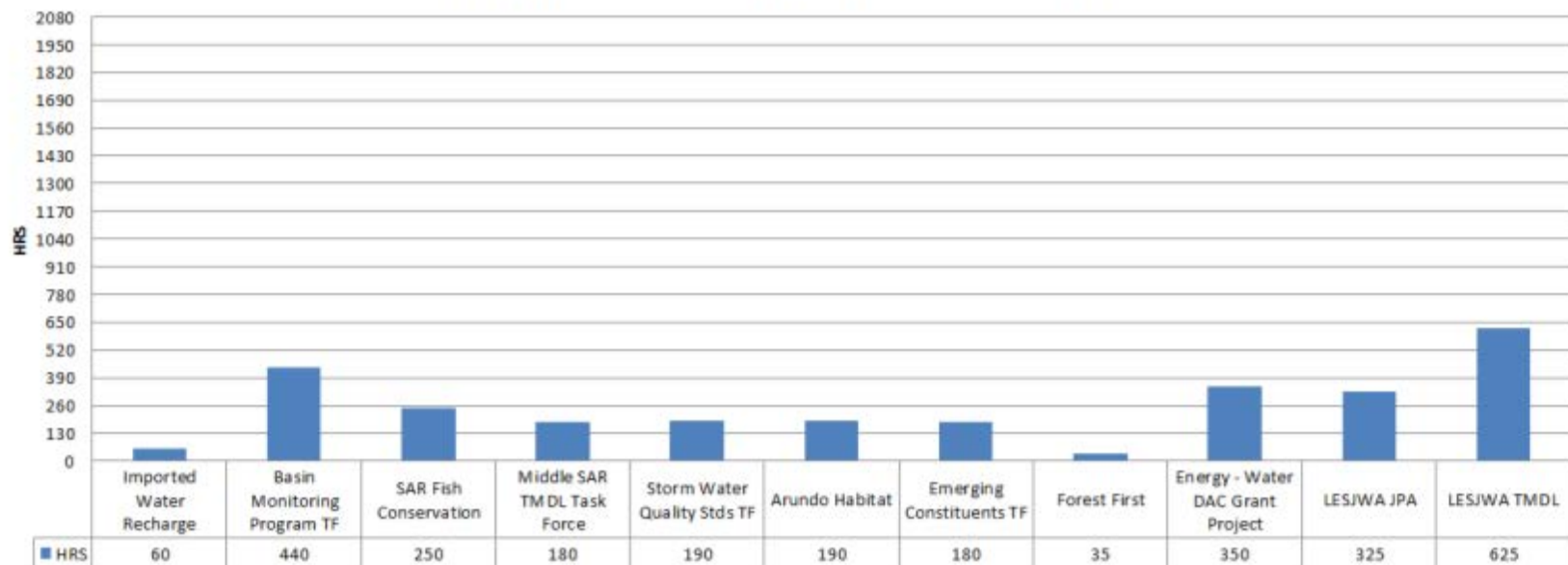


Total SAWPA Labor Hours for Roundtables - FYE 2016



FTE	0.03	0.21	0.12	0.09	0.09	0.09	0.09	0.02	0.17	0.16	0.3	Total	1.37
Start Date	2007	2004	2003	2004	2003	2002	2009	2011	2015	2000	2004		

Contributions

SAWPA	\$ -	\$ -	\$ 10,000	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -	Total	\$ 70,000
Other	\$ 30,564	\$ 555,951	\$ 93,391	\$ 417,430	\$ 92,581	\$ 1,043,004	\$ 154,000	\$ 54,569	\$ -	\$ 167,263	\$ 869,500		\$ 3,478,253
Grants	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 938,985	\$ -	\$ -		\$ 1,038,985

Santa Ana

Energy – Water DAC Grant Project

Hours	350
FTE	0.17
Start Date	2015
SAWPA Contributions	-
Other Contributions	-
Grants	\$ 938,985

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2000

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Program
Task Force

Middle Santa
Ana River
TMDL Task
Force

First
ram

11

2015

Energy –
Water DAC
Grant Project

Status of Issues

Inland Empire Brine Line

April 5, 2016

1. Ordinance
2. FY 17 Rates
3. TSS Formation Billing Formula
4. Temporary Domestic Discharges
5. Relocation of Reach V at Nichols Road

SAWPA Ordinance Timetable

Date	Milestone
February 24 (completed)	OCSD Ordinance Adoption
March 1 (completed)	SAWPA Internal Draft to agencies for review (2 weeks)
March 15 (completed)	Agency Review Complete
April 1 (completed)	Resolution of conflicting Agency comments, Draft 2
April 1 (completed)	Submit Draft 2 to OCSD for review
Early April	Workshop with OCSD to review draft
	OCSD Review complete (Anticipate 1 month review)
10 Days after Review	Incorporate comments, agency review, draft 3 (SAWPA)
5 Days after Draft 3	Release draft Ordinance No. 8 for public review
Prior to Public Hearing	Workshop(s) with dischargers
45 Days after Public Release	Public Hearing before Commission (July?)

OCSD Local Limit Revisions

Pollutant of Concern	Existing Limit	New/Amended Limit
Biochemical Oxygen Demand	15,000 lb/day	Mass Allocation
Ammonia	-	Mass Allocation
Chromium (Total)	2.0 mg/L	20.0 mg/L
Silver	5.0 mg/L	15.0 mg/L
Molybdenum	-	2.3 mg/L
Selenium	-	3.9 mg/L
1,4-Dioxane	-	1.0 mg/L
Total Toxic Organics	0.58 mg/L	-
Cyanide (Amenable)	1.0 mg/L	-

OCSD Ordinance Updates

Issue	Change/Amendment
Permit Terms:	<p>The maximum duration for permits have been changed.</p> <ul style="list-style-type: none">• Significant and Categorical Industrial User increased to 4 years.• Industrial User and Special Purpose Discharge Permits increased to 5 years.• Wastehauler Discharge Permits increased to 3 years.
Enforcement Response Schedules:	<p>Reporting and response schedules have been defined for mechanisms of compliance.</p>
Permit Transfers:	<p>Ordinance language has been strengthened to prohibit permit transfers.</p>

Rates, TSS Formation Billing Formula

- Rates: present 4/19/16
- TSS Formation Billing Formula
 - Dr David Jenkins, 3rd party review
 - Sampling plan (Trussell Technologies)
 - Dischargers, by Reach, at OC line
 - Collect samples 4/25 – 4/29
 - Alkalinity, Calcium, Dissolved Oxygen, Orthophosphate, ...
 - Trussell evaluate data, develop alternative formula
 - Workshop(s) with agencies, dischargers
 - Commission consideration of formula (June 21st?)

Temporary Domestic Discharges

- Chino Development Corporation (Bonview)
 - Reach IV-D, 0.35 mgd, divert March 2017
- Chino Institution for Women
 - Reach IV-D, 0.37 mgd, divert TBD

Note: some industries have BOD, TSS loading

Reach V Relocation to Nichols Rd

- Contract Awarded, Notice to Proceed Issued March 28th
- Contract duration 6 months
- 1st progress meeting 4/12/16



Questions

FY 17 Rates

	Flow	BOD	TSS
Current	\$817	\$301	\$420
FY 17	\$858	\$307	\$429
FY 18 (planning)	\$896	\$322	\$450

Notes:

1. Flow in Million Gallons (MG), BOD and TSS per 1,000 pounds (lbs)
2. BOD, TSS rates are “pass through” from OCSD

FY 17 Rates

	Fixed Pipe	Fixed Treatment
Current	\$5,370	\$10,888
FY 17	\$5,639	\$11,433
FY 18 (planning)	\$5,921	\$12,005

Notes:

1. Fixed Pipe: Million Gallons (MG) per Month based on pipeline capacity owned
2. Fixed Treatment: Million Gallons Per Month based on treatment capacity owned

FY 17 Rates

Waste Strength	BOD or TSS Concentration	FY17	FY18 (a)
Brine	Less than 100 mg/l	0.011	0.011
Tier 1	100 to 999 mg/l	0.016	0.017
Tier 2	1,000 to 2,499 mg/l	0.033	0.034
Tier 3	2,500 mg/l and higher	(b)	

(a) Future rate for planning purposes only. The Commission will separately evaluate and set the rates annually for each FY.

(b) Concentrations over 2,500 mg/l will be charged based on the actual concentration of the waste discharged using the following costs components:

\$0.0027/gallon, \$0.701/pound of BOD, and \$0.668/pound of TSS.

OWOW IMPLEMENTATION STATUS



Mark Norton, P.E. LEED AP
Water Resources & Planning Manager
April 5, 2016

Integrated Regional Water Management - OWOW Approach



1

Create Anew – OWOW shared vision and adopting a new water ethic



2

Collaboration Across Boundaries
Citizens of watershed,
multi-jurisdictional solutions



3

Multi-Benefit Approach – Problems are interrelated, seek synergies, create catalysts



Watershed Level Thinking

Stormwater:
Resource and Risk
Management

Beneficial Use
Assurance

Natural
Resources
Stewardship

Energy and
Environmental
Impact Response

Land Use &
Water Planning

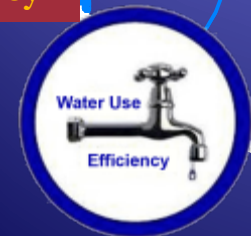
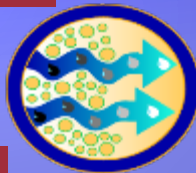
Water
Resource
Optimization

Operational
Efficiency &
Water Transfers

Water use
efficiency

Disadvantaged
and Tribal
Community

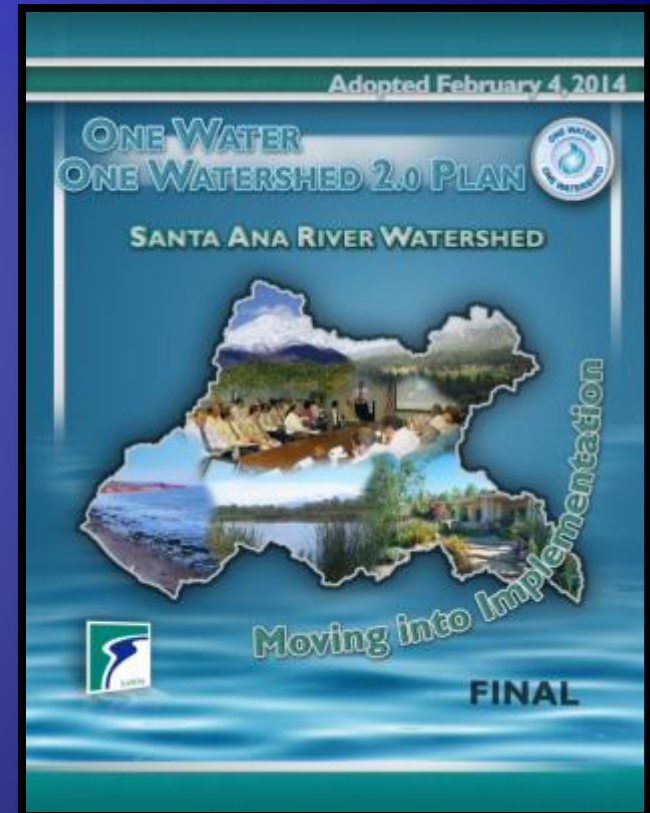
Water Conveyance
and Transport



OWOW 2.0 Plan – adopted in Feb.

2014

- ◆ Santa Ana River Watershed's Integrated Regional Water Management (IRWM) Plan
- ◆ OWOW Stakeholders
 - ◆ 63 cities
 - ◆ 120 agencies associated with water
 - ◆ 5 tribes
 - ◆ Federal and State Agency partners
- ◆ OWOW Pillars
- ◆ OWOW Steering Committee
- ◆ SAWPA Commission



Proposition 50, 84 and Prop 1 IRWM

- ◆ SAWPA is the accepted as the integrated regional water management (IRWM) group for future IRWM work in the watershed
- ◆ Submitted successful project grant applications under Prop 50, Round 1, 2, Drought Round and 2015 Round under DWR's IRWM implementation program.
- ◆ SAWPA will be responsible for all audits and review of implemented Prop 50, Prop 84 and Prop 1 projects for 10 years after project completions.



Benefits:

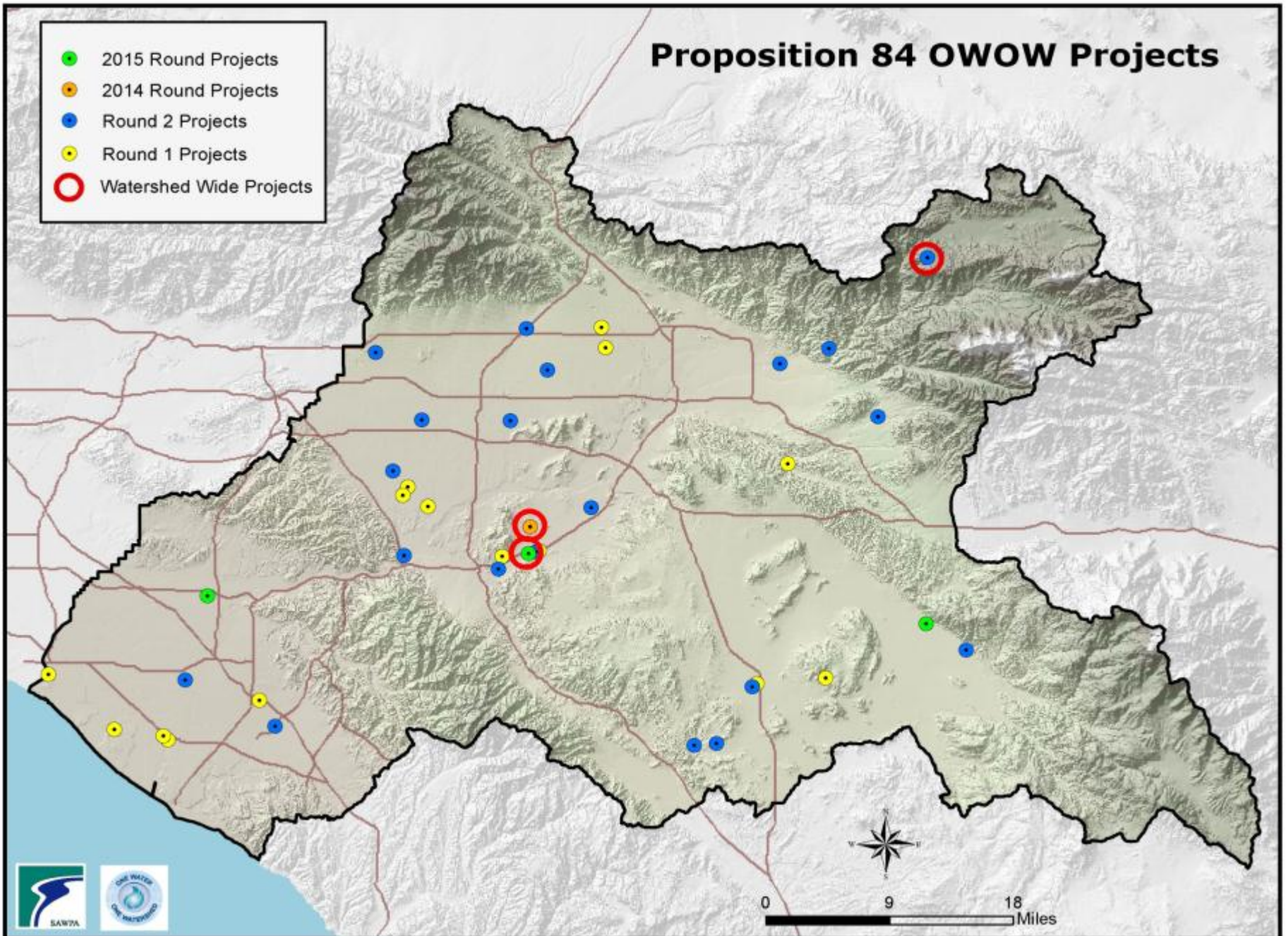
- \$25 million – total from Prop 50
- \$114 million –total from Prop 84
- \$63 million – total from Prop 1

Watershed-Wide Benefits of Prop 84

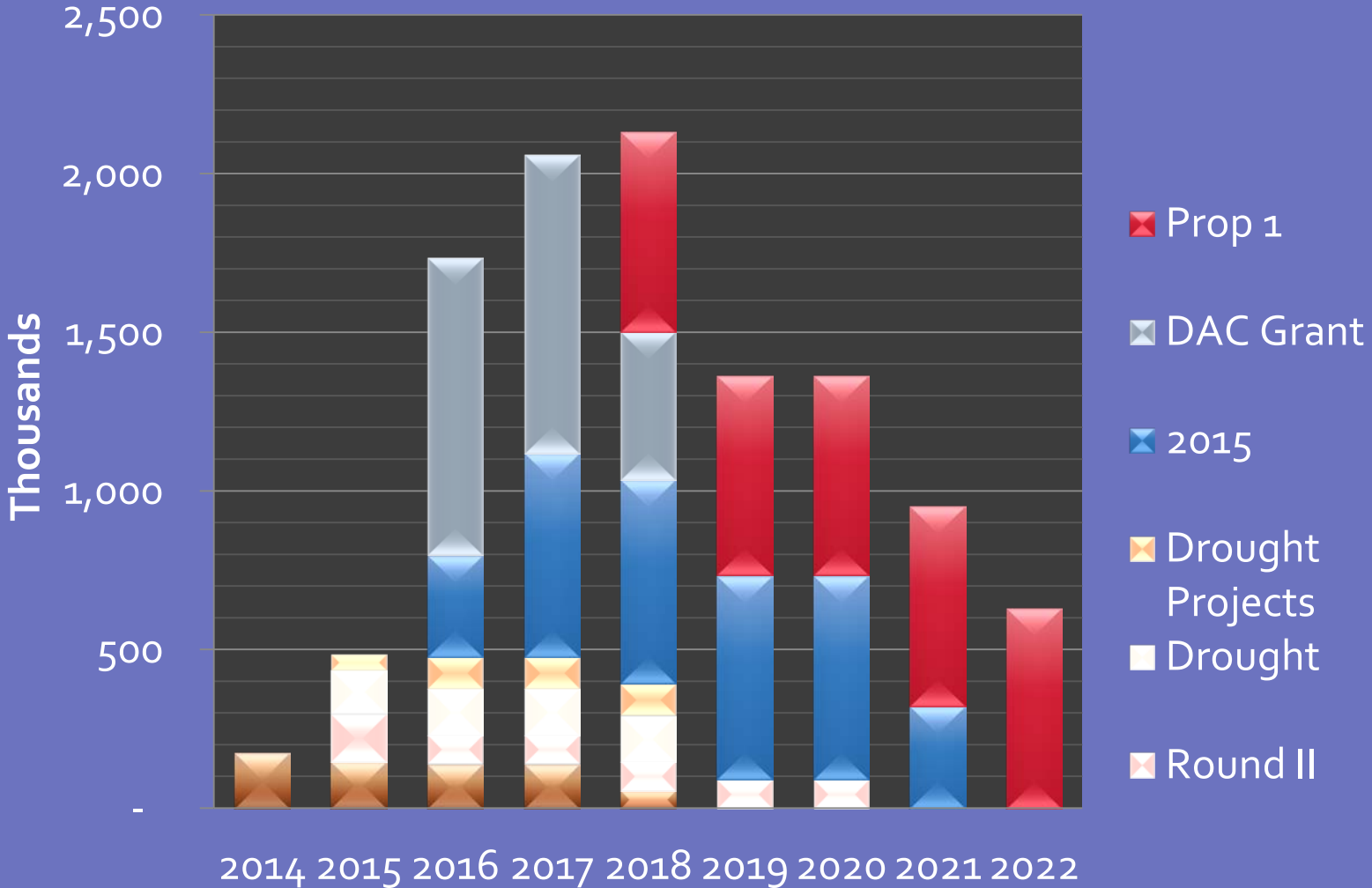
- ◆ New Stormwater Supply – 73,100 AFY
- ◆ New recycled water – 11,000 AFY
- ◆ Water Use Efficiency – 16,200 AFY
- ◆ Environmental Habitat Restoration – 3800 acres
- ◆ Salt Management – 25,200 tons/year
- ◆ NPS Pollution – 29,302 pounds/year
- ◆ Flood Risk Reduction - \$91M
- ◆ GHG – 14,402 metric tons/year
- ◆ New jobs created - 6700
- ◆ Population Benefit – 6 million
- ◆ Benefit Zone – 2850 square miles

Proposition 84 OWOW Projects

- 2015 Round Projects
- 2014 Round Projects
- Round 2 Projects
- Round 1 Projects
- Watershed Wide Projects



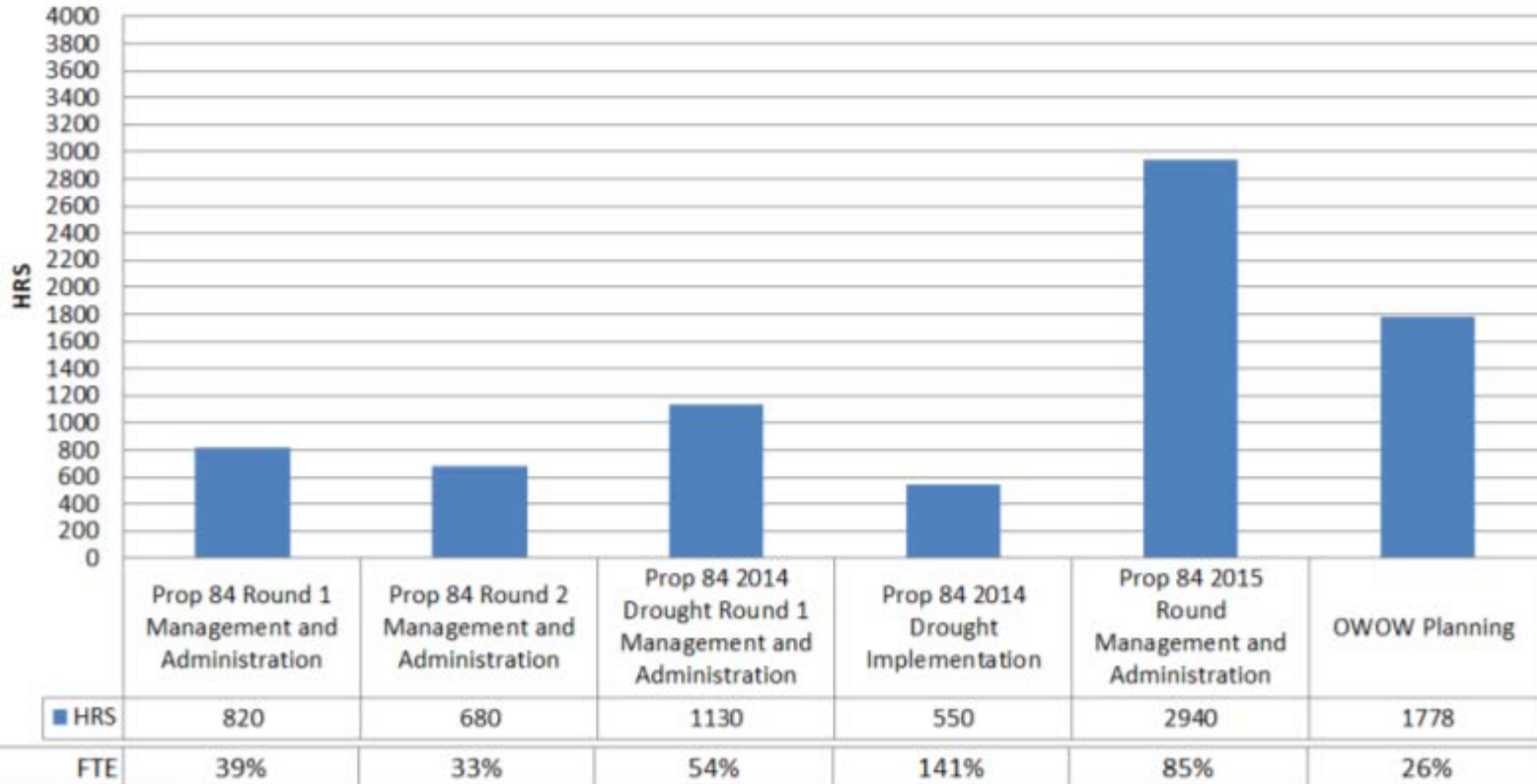
Annual Additional Grant Administration Revenue from Prop 84 and Prop 1



Total Grant & Local Revenue from Prop 84 and Prop 1

Funding Source	Grant Amount	Local Match	Project Total Costs	SAWPA Grant Mgt.
Prop 84 Round 1	11,461,990	247,842,430	259,842,430	660,004
Prop 84 Round 2	14,500,000	148,977,807	163,477,807	625,310
Prop 84 Drought Round	11,935,110	10,645,000	22,580,110	875,000
Prop 84 2015 Round	61,054,302	173,138,598	234,192,900	3,213,384
Prop 1 DAC Involvement	5,985,000	0	5,985,000	315,000
Total	104,932,000	580,603,835	685,540,237	5,028,694
Prop 1 Future Rounds	52,290,000	52,290,000	104,580,000	2,614,500

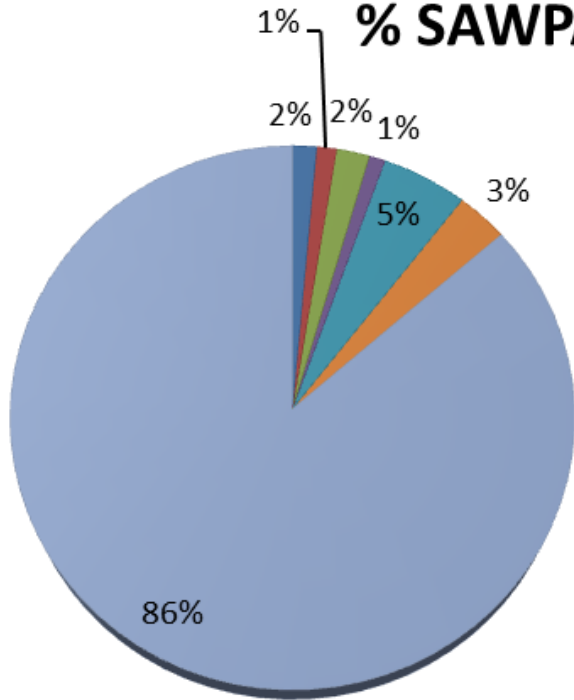
Total SAWPA Labor Hours for OWOW - FYE 2016



Source of Funding

							Total
SAWPA	-	-	-	-	\$ 298,949.00	-	\$ 298,949.00
Other	-	-	-	-	-	-	\$ -
Grants	\$ 145,866.00	\$ 123,263.00	\$ 196,872.00	\$ 486,550.00	-	\$ 99,465.00	\$ 1,052,016.00

% SAWPA Labor Hours for OWOW



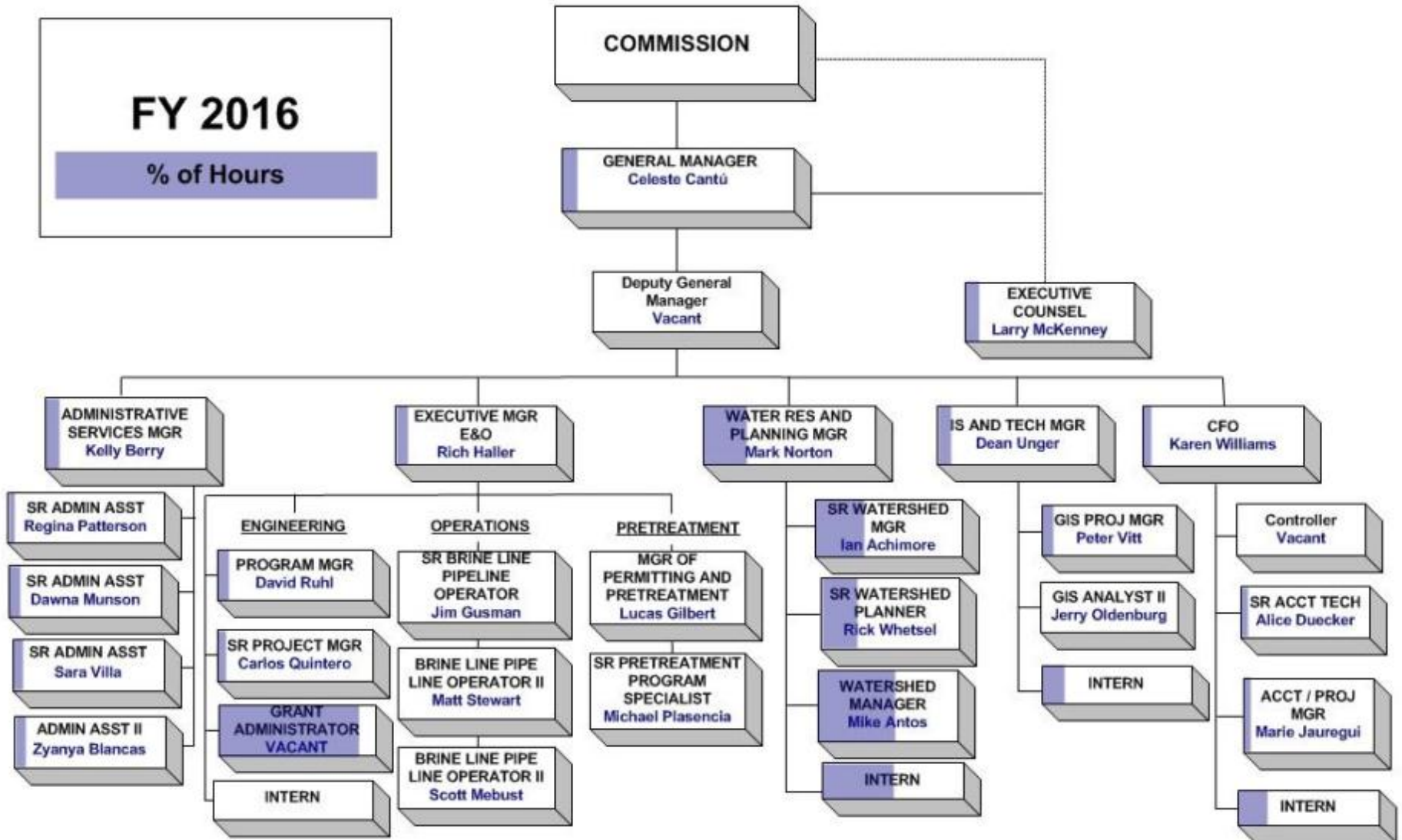
- Prop 84 Round 1 Management and Administration
- Prop 84 Round 2 Management and Administration
- Prop 84 2014 Drought Round 1 Management and Administration
- Prop 84 2014 Drought Implementation
- Prop 84 2015 Round Management and Administration
- OWOW Planning
- All Other Funds

SAWPA ORGANIZATION CHART

% of SAWPA Labor for OWOW Projects

FY 2016

% of Hours



OWOW Project Details

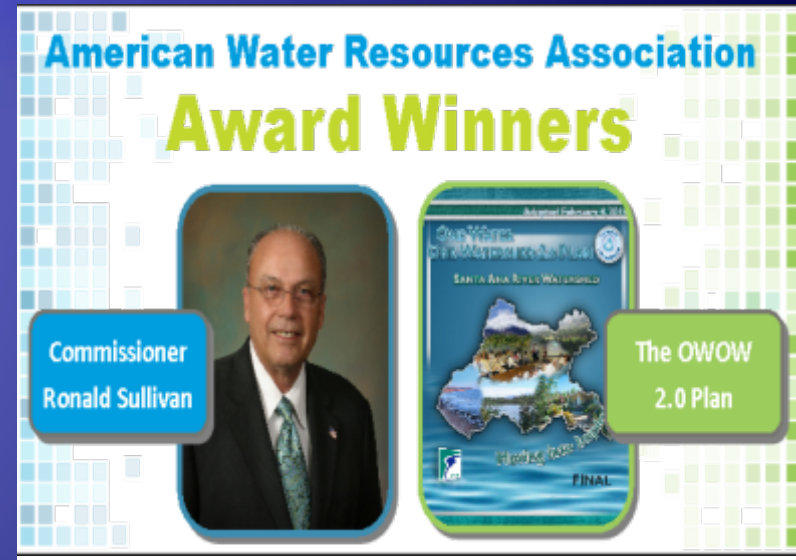
OWOW - Watershed Management Plan

Benefits

- ◆ Improved collaboration and cooperation among all watershed participants
- ◆ Increased potential for additional State and Federal funding
- ◆ Showcases SAWPA's leadership in regional water management

Description

- ◆ Integrated Regional Water Management Plan for Santa Ana River Watershed
- ◆ Foundation for IRWM funding
- ◆ State recognized template for high-quality integration and collaboration
- ◆ Support for OWOW Steering Committee and OWOW Pillars
- ◆ OWOW Call for Projects and Project Review



Budget: \$ 298,949 (2016)
FTE: 85%
Funding: SAWPA fully funds

Deliverables and Obligations

- ◆ Adopted OWOW 2.0 Plan in Feb 2014, received perfect score from DWR
- ◆ Worked effectively in revised OWOW Pillar team and coordinated with OWOW Steering Committee
- ◆ Included cascading water project concept which led to SARCCUP
- ◆ Revisions to OWOW plan to include Stormwater Resource Plans, requirement under Prop 1
- ◆ Expand list of eligible projects
- ◆ Expanded outreach for DAC Involvement
- ◆ Conduct new Call for Projects and Project Selection for IRWM in 2017

OWOW Prop 84 IRWM - Grant Administration

Benefits

- ◆ SAWPA is designated to receive and administer Prop 84 IRWM grant funds for the Santa Ana River Watershed
- ◆ Fiduciary responsibility to oversee project benefits and implementation

Description

Accounting, monitoring, reporting, audit coordination, administration, oversight



Budget: Fund 130 Round 1 \$145,866
Fund 135 Round 2 \$123,263
FTE: Fund 130 Round 1 39%
Fund 135 Round 2 33%
Funding: 100% grant funded

Deliverables and Obligations

- ◆ Ensure Round 1 & 2 projects are completed on time and within budget defined in DWR agreement with SAWPA and SAWPA/Project Proponents .
- ◆ Compile, review and submit project monitoring plans from each project proponent to DWR
- ◆ Monitor and inspect construction activities
- ◆ Coordinate and oversee implementation schedule
- ◆ Ensure credit/signage requirements
- ◆ Compile, review and oversee benefit assessment of each project
- ◆ Conduct periodic project review of all reports and financial documentation
- ◆ Process all invoices and submit to DWR for reimbursement
- ◆ Coordinate DWR audit activities
- ◆ Conduct project closeout documentation
- ◆ Prepare annual post performance report for 10 years

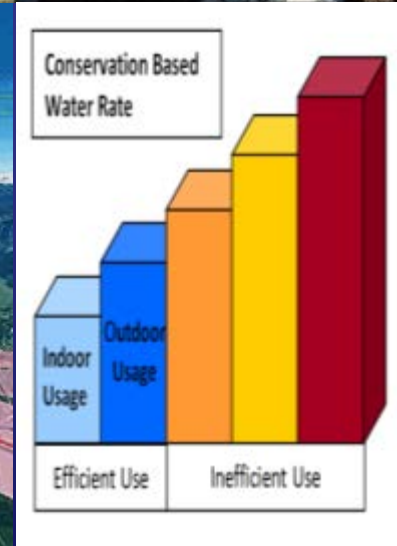
OWOW Prop 84 IRWM Drought - Grant Implementation and Project Implementation

Benefits

- ◆ Upon implementation over three years over 8725 AF/YR in water savings are anticipated in watershed

Description

- ◆ Implements grant funded tasks – aerial mapping and area measurement, conservation tools, budget based water rate support and turf removal
- ◆ Administered through PA 22 Committee, policies and direction – meets monthly
- ◆ Conservation Advisory Committee – meets monthly



Budget: Drought Grant Adm - \$196,872 (2016)
Drought Implementation Adm - \$99,465

FTE: 80%

Funding Source: 100% grant funded

Deliverables and Obligations

- ◆ Successful sign up of over 10 agencies for budget based rate support
- ◆ Conducted effective outreach video and workshops
- ◆ Completed aerial survey and most of area measurement
- ◆ Inviting more retail agencies to use available conservation tool – 10 signed up w/ 4 more forthcoming
- ◆ Providing support to retail agencies in budget based water rate implementation and using provided aerial imagery

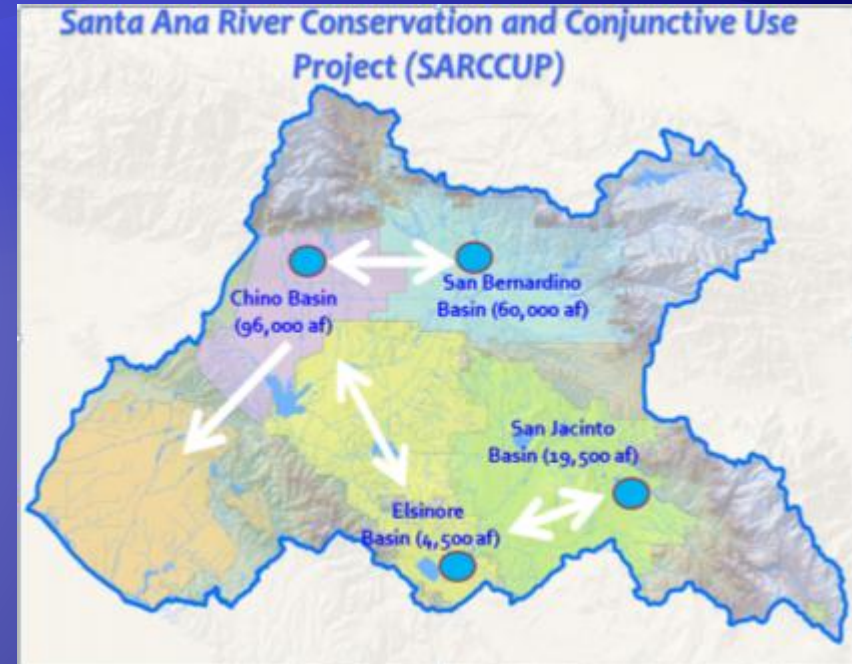
OWOW Prop 84 2015 IRWM Grant – SARCCUP, OCSD and RCFCWCD Project Implementation

Benefits

- ◆ Water Supply – 29,047 AFY
- ◆ Water Use Efficiency – 7,236 AFY
- ◆ Recreation – 40 acres open space, 1 mile trail
- ◆ Habitat – 41 acres
- ◆ Invasive Plant – 800 acres
- ◆ Salt Management – 317,000 pounds/year
- ◆ NPS Pollution – 29,302 pounds/year
- ◆ Flood Risk Reduction - \$91M

Description

- ◆ Under SARCCUP, SAWPA will expand budget based water rate support to retail agencies through SAWPA project agreement (PA) 22 committee
- ◆ Will manage implementation through new PA 23 Committee, policies, consultant mgt and direction
- ◆ Coordination with SAWPA member agency GMs on agreements – Financial, Operation, MWDSC
- ◆ Grant administration of OSCD pipeline project and RCFCWCD stormwater mgt integrated project



Budget: \$ 486,550 (2016)
FTE: 141%
Funding Source: Grant funding and member agency contributions

OWOW 2015 IRWM Grant Funding – 5 year implementation

Project Name	Lead Agency	Grant Amount	Local Share
Santa Ana River Conservation and Conjunctive Use Project	SAWPA Project Agreement Committee	\$55 million	\$45,072,900
Integrated Watershed Protection Program	RCFCWCD	\$ 5,054,302	\$24,175,698
Newhope-Placentia Trunk Sewer Replacement	OCSD	\$ 1,000,000	\$103,890,000
Totals		\$61,054,000	\$173,138,598

Deliverables and Obligations

- ◆ Participated and provided input at SAWPA member agency Planning Manager and GMs meetings about SARCCUP development and application
- ◆ Reviewed and provided input on Decision Support Tool to assist with SARCCUP
- ◆ Will monitor and provide input on SARCCUP Decision Support Tool and Master Plan
- ◆ Accounting, Monitoring, Reporting, Audit Coordination, Administration of Grant funding

Prop 1 IRWM Grant

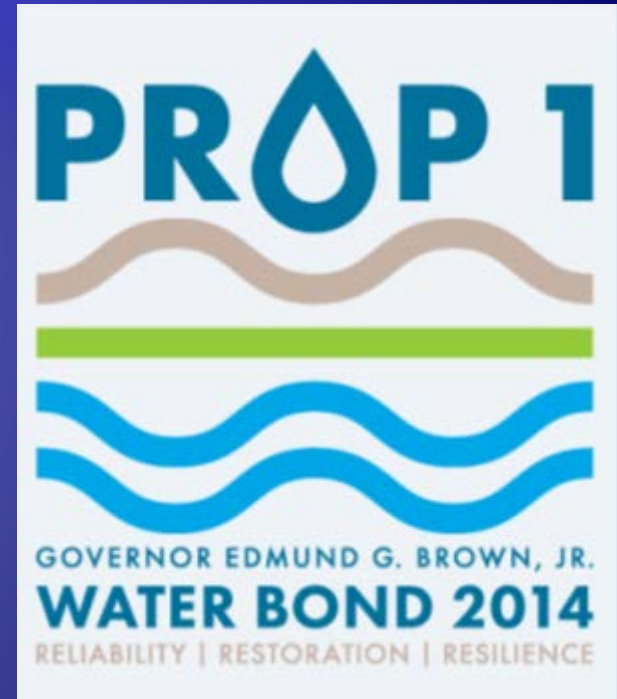
Benefits

- ◆ Continues OWOW goals and objectives
- ◆ Continues support for multi-benefit projects
- ◆ Expands support to DACs and economically stressed areas

Description

Future IRWM grant applications

- ◆ 2015-16 Disadvantaged Communities (DAC) Involvement
- ◆ 2016-17 Planning Grant
- ◆ 2017-18 Round 1
- ◆ 2018-19 DAC projects
- ◆ 2019-20 Round 2



Funding Source: Funding for grant application from 373 OWOW

Deliverables and Obligations

- ◆ Participate in DWR Stakeholder Outreach Committee to review and provide input on DWR approach to administer Prop 1 IRWM grant due to recognition of OWOW as a leader in IRWM planning.
- ◆ Reviewed and provided written comments on proposed guidelines and project solicitation package for DAC Involvement and Planning grant.
- ◆ Commenced preparation for grant applications due in June 2016
- ◆ Commenced scoping for DAC involvement

SARCCUP Project Schedule – 5 yr

SARCCUP Program Schedule

January 2016

Description	2015 (Quarter)				2016 (Quarter)				2017 (Quarter)				2018 (Quarter)				2019 (Quarter)				2020 (Quarter)			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
PROP 84 GRANT ADMINISTRATION, REPORTING AND INVOICING PROCES																								
DWR Selection																								
Contract with DWR																								
Establish Project Agreement Committee																								
SARCCUP Operating Agreement																								
Water Exchange Agreement with MWD																								
Grant Admin, Reporting & Invoicing																								
WATERSHED MASTER PLAN																								
Optimization using a Decision-Support Model																								
Prepare Watershed Long Term Facilities Plan																								
WATER USE EFFICIENCY																								
HABITAT RESTORATION																								
Consultant Selection - Mitigation Bank/Design																								
Establish mitigation bank																								
ARUNDO REMOVAL																								
CONJUNCTIVE USE WATER BANK FACILITIES - CHINO BASIN (IEUA)																								
CONJUNCTIVE USE WATER BANK FACILITIES - ELSINORE BASIN (WMWD)																								
CONJUNCTIVE USE WATER BANK FACILITIES - SAN BERNARDINO BASIN (S)																								
CONJUNCTIVE USE WATER BANK FACILITIES - SAN JACINTO BASIN (EMWD)																								

Notes:

Process:

- Planned
- Active
- Completed

- Administrative
- Prop 84 Grant Deadline



Strategic Assessment Next Steps

April 5, 2016

Follow-up on Interview Findings and Observations



Where will the future lead?

- SAWPA's challenges are an outgrowth of its success in many different roles over more than four decades
- Continued success depends on addressing issues at every level including:
 - Achieving better alignment around mission and purpose
 - Clarifying governance roles and decision-making responsibilities and process
 - Providing resources appropriate to current and future commitments
- Because these issues are interdependent, the path forward should embrace all of them

SAWPA "Business Lines"



Facilities
Operations &
Management
(Brine Line)



Collaborative
Planning &
Facilitation
(Roundtables)



One Water One
Watershed
(OWOW)



Evaluate Each Business Line



- Objectives should reflect core purposes that the business line is undertaking
 - They must be feasible and consistent with the general expectations of the Commission
 - Objectives should be challenging but achievable
 - They should answer the questions: "What are we doing here?" and "Why are we doing it?"
- Each CSF must be devoted to a single issue
 - The maximum number of CSF's is eight and the smallest number is four
 - Be guided by the principle of "necessary and sufficient." Agree that each CSF is necessary to our purpose, and the fulfillment of all CSF's will be sufficient to achieve it
 - Consensus is essential
- Identify and list the processes, activities, and tasks (PAT's) that must be accomplished in order to meet our critical success factors
 - State each project activity description as a verb-plus-object (e.g., "Establish participation criteria.")
 - Ask the questions: (1) "Is this PAT necessary?" (2) "Can we judge whether it is being done well?" and (3) "Who owns this PAT?"
- Identify activities essential to meeting CSF's
 - Rate the probability of success
 - A = excellent performance
 - B = good performance
 - C = fair performance
 - D = bad performance
 - E = embryonic performance or not at all
 - Identify activities needing most attention

Build Mission and Strategies

