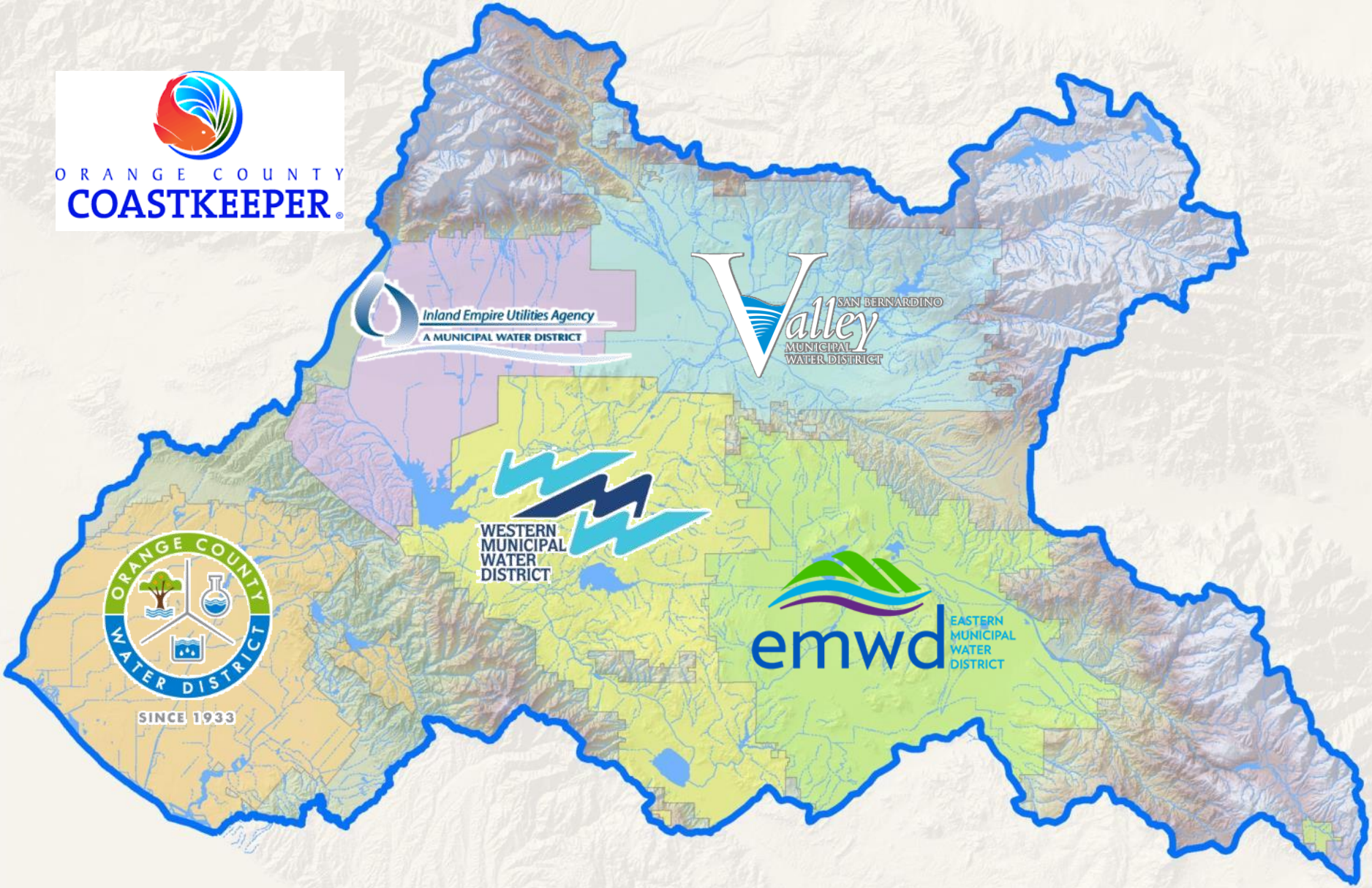
SANTA ANA RIVER CONSERVATION AND CONJUNCTIVE USE PROGRAM (SARCCUP)

Project Agreement 23

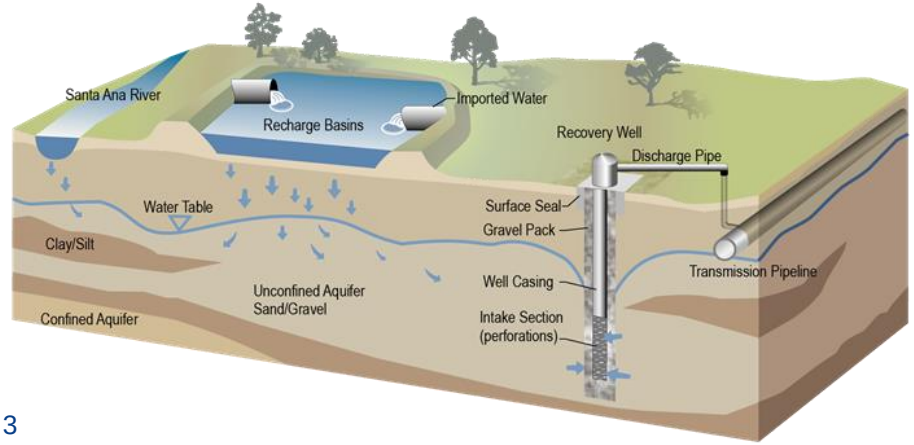
Dec 2017

SARCCUP COLLABORATION

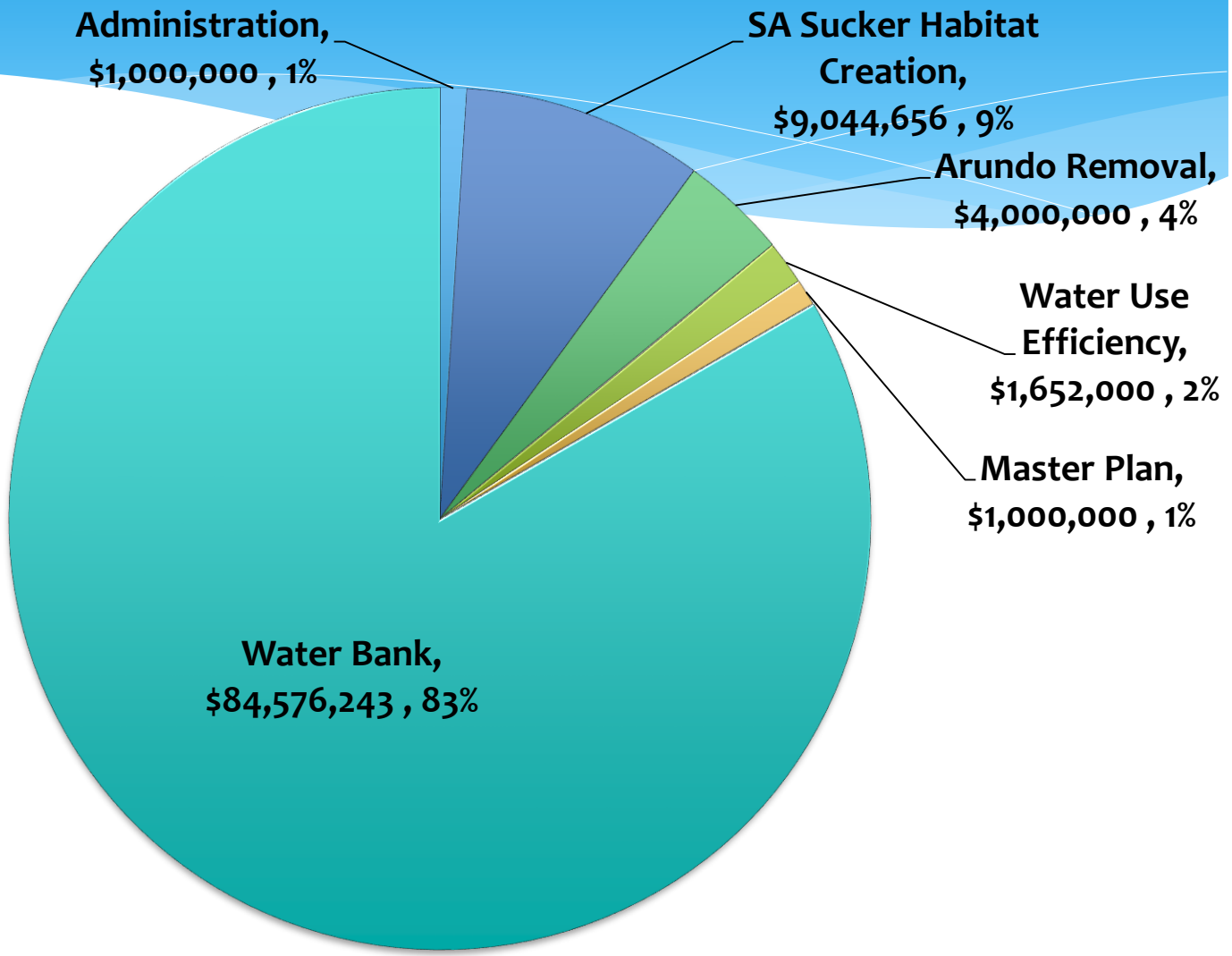


SARCCUP Elements

- Habitat Improvement: Arundo Removal & Santa Ana Sucker fish habitat restoration
- Water Use Efficiency: Conservation-Based Rates Support, Water-use Efficient Landscaping Design
- Groundwater Banking: "Put and Take" Conjunctive Use Facilities



Initial Total Cost, $101 million



Initial SARCCUP

	New Water Supply
* Habitat Creation & Arundo Removal (conserved water supply)	2,000 AFY
* Water Use Efficiency - Turf Removal & Conservation-Based Rates (conserved water supply)	7,400 AFY
* Groundwater Bank (New Dry-Year Yield)	60,000 AFY
Total New Water Supply	69,400 AFY

SARCCUP Groundwater Banking

- 1,000,000 AF potential storage capacity in SAR GW Basins
- SARCCUP Water Bank: 180,000 AF
  - Recharge and extraction infrastructure to take advantage of wet year extraordinary supplies
  - Storage on "use-side" of major earthquake faults
  - All five agencies share in dry year yield

Decision Support Model Scenarios started in 2016

* Simulate SARCCUP Operations:
  * Recharge of wet year water
  * Dry year pumping
  * How water moves throughout the watershed and the SARCCUP facilities
* Adaptable:
  * Easily add facilities
  * Can be upgraded by staff
* Goals
  * Fast (schematic)
  * Quantify benefits and costs
  * Identify future phases

Initial and New SARCCUP Groundwater Bank Storage

Groundwater Basin	Initial Storage (AF)	New Storage (AF)
San Bernardino	60,000	64,000
Chino	96,000	50,000
San Jacinto	19,500	19,500
Elsinore	4,500	4,500
Riverside	0	6,000
Orange County	0	36,000
Totals	180,000	180,000

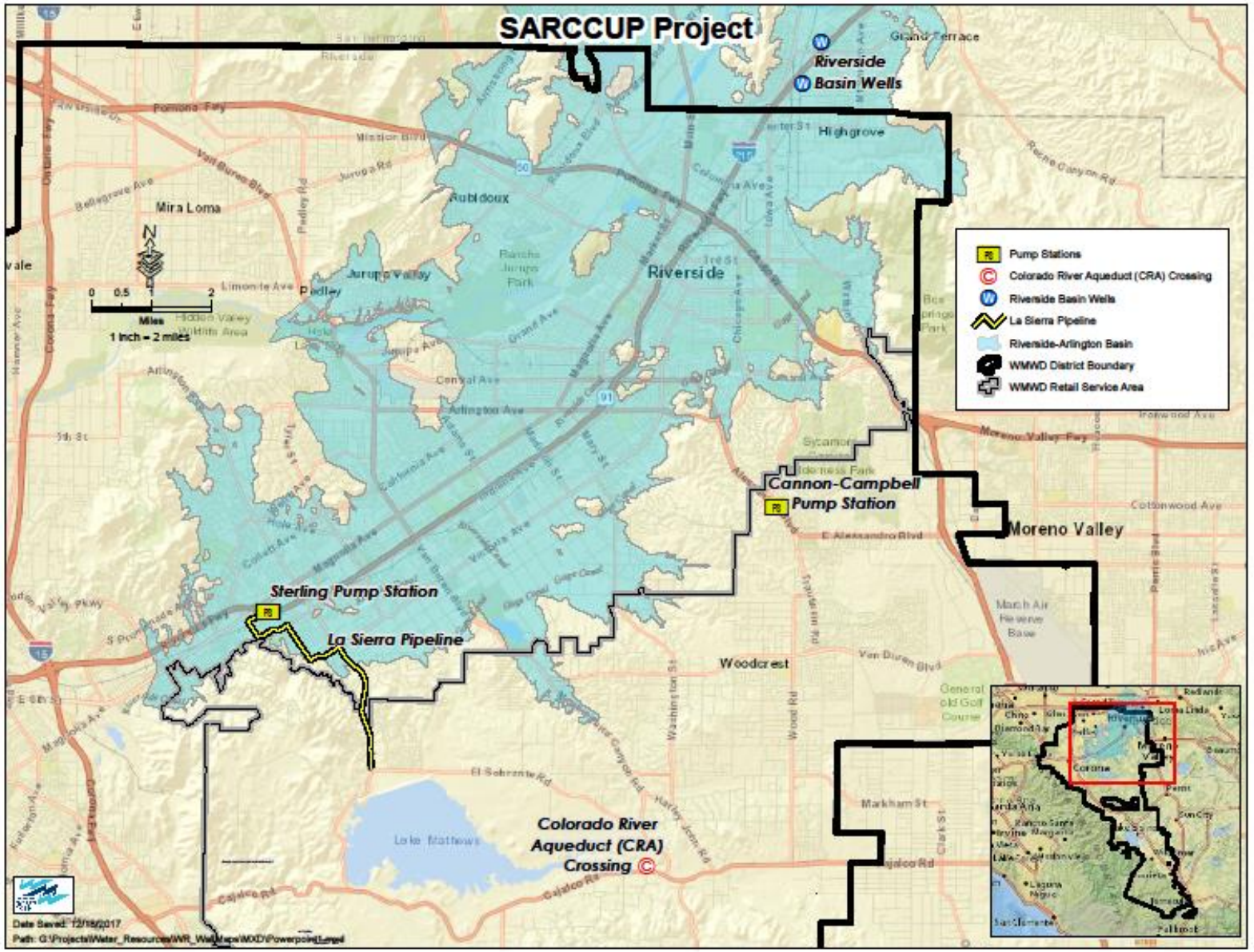
(Equivalent Storage Volume to both Lake Mathews and Pyramid Lake

Conjunctive Use Bank Facility Changes

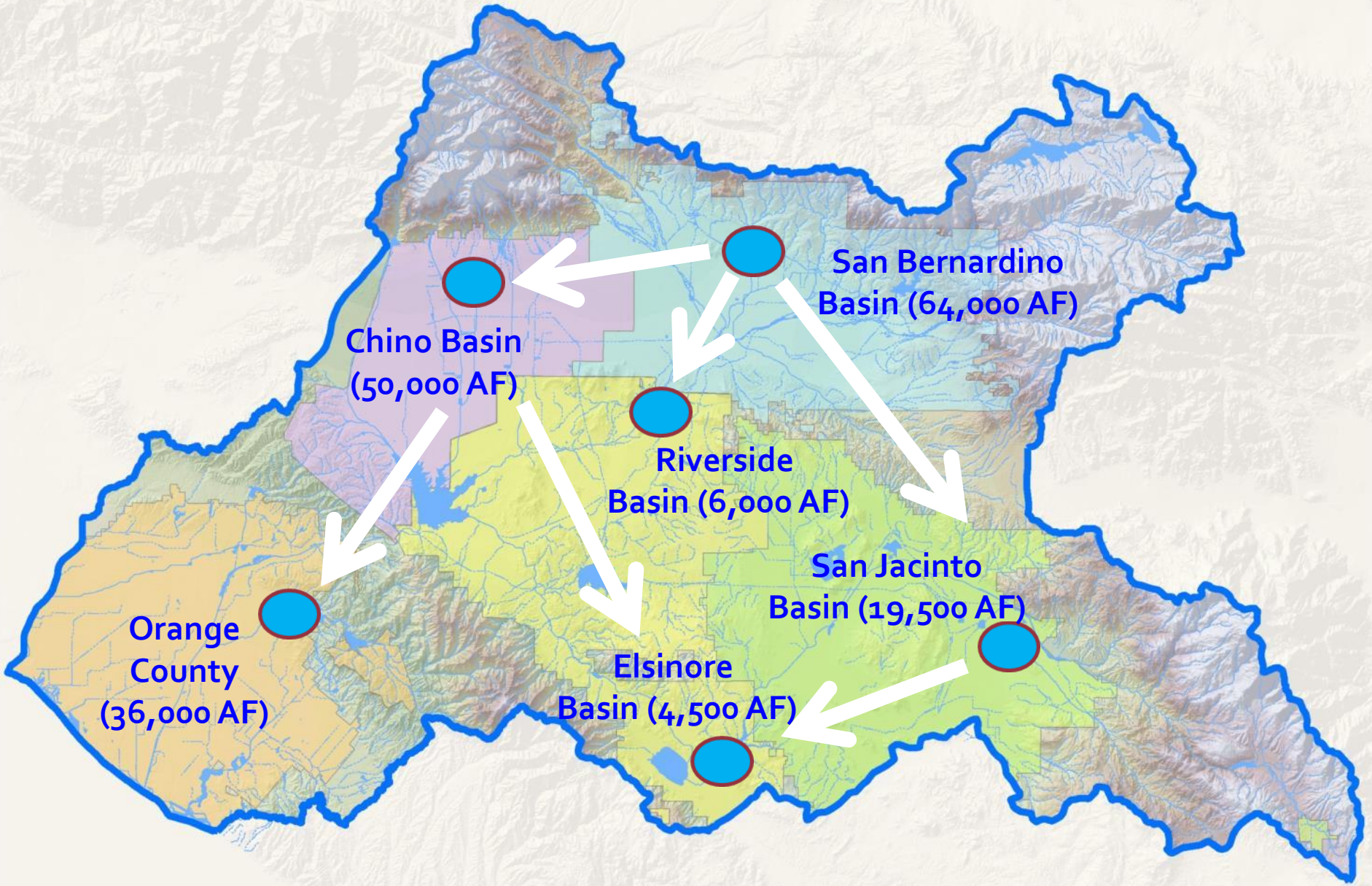
Proposed Projects to be Removed	Total Cost
Baseline Feeder (BLF) Extension & Associated Chino Basin Facilities	$29,302,340
Elsinore Basin Aquifer Storage & Recovery (ASR) Wells	$6,140,000
San Bernardino Basin Area Project	$24,255,000
TOTAL	**$59,697,340**

Proposed Projects to be Added	Total Cost
Chino Basin Project	$15,000,000
Elsinore Basin Project	$4,662,000
Riverside Basin Project	$12,228,000
La Sierra Pipeline & Sterling Pump Station	$10,800,000
TOTAL	**$42,690,000**

Proposed New Facilities

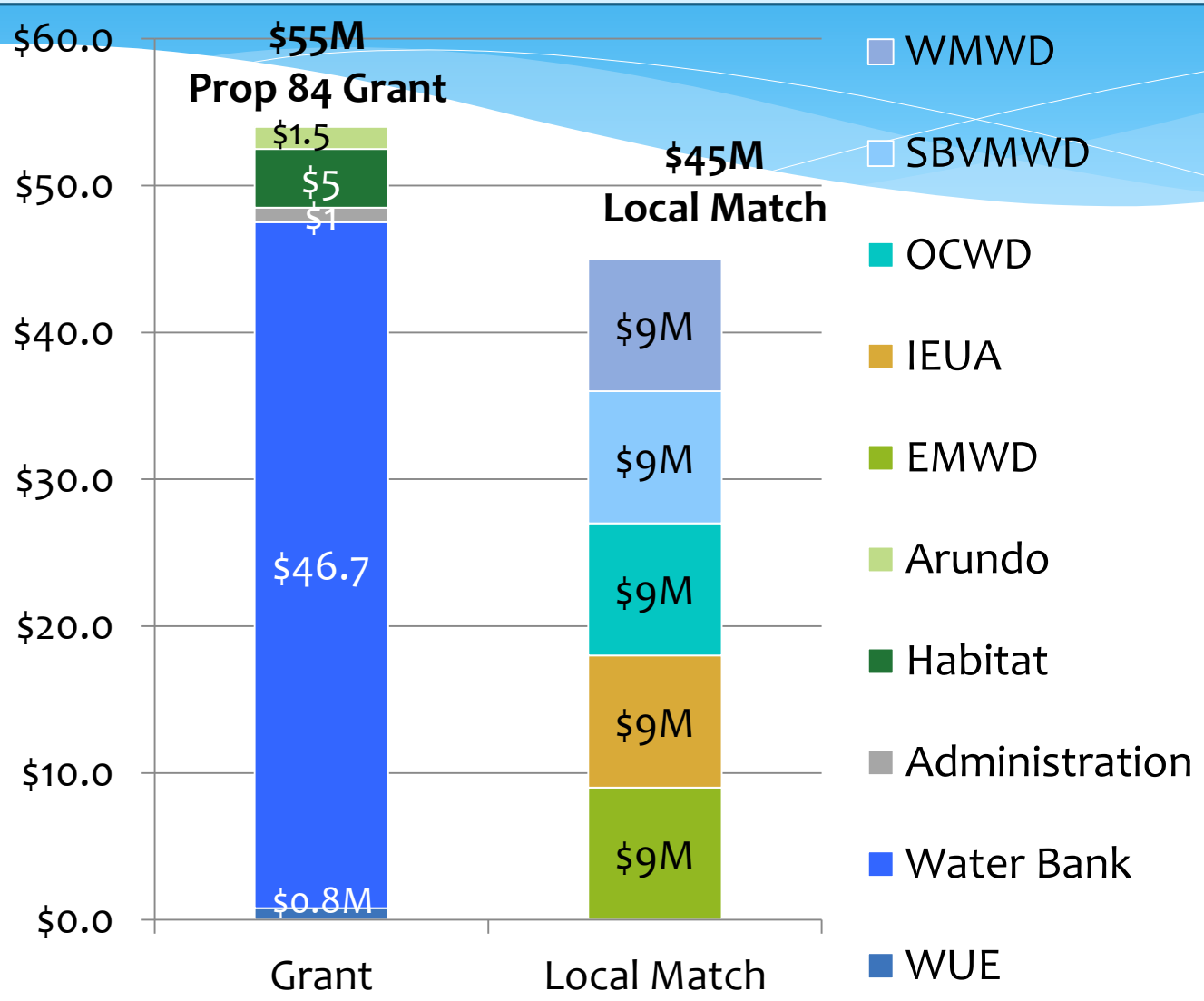


Banks are Connected & Can Share Dry Year Yield



Initial Cost Sharing Arrangement

Total SARCCUP Project Cost = $100 million



SARCCUP New Scenario
Capital Program Cost Sharing Recommendation

	PM/WUE/ MP-DSM	Arundo Removal	Habitat Restoration	Water Bank Infrastructure	Grant Adjustment	Total Cost Share
EMWD	$636,649	$0	$0	$9,264,214	$(2,749,266)	$7,151,597
IEUA	$636,649	$0	$0	$9,264,214	$(2,749,266)	$7,151,597
OCWD	$636,649	$2,488,053	$0	$0	$(613,561)	$2,511,141
SBVMWD	$636,649	$0	$5,034,282	$0	$(1,230,244)	$4,440,689
WMWD	$636,649	$0	$0	$9,264,214	$(2,749,266)	$7,151,597
TOTAL	**$3,183,245**	**$2,488,053**	**$5,034,282**	**$27,792,641**	**$(10,091,603)**	**[a]$28,406,620**

(a) Locally funded cost share ($28,406,620) is 34.1% of total project cost .

Prop 84 DWR 2015 Implementation Agreement

Recommended Revisions

SAWPA 2015 Implementation Agreement Summary Budget

Project Name	Grant Amount	Cost Share: Non-State Fund Source (Funding Match)	Additional Cost Share	Total Cost	% Funding Match
Project 1: Grant Administration	$3,213,384	$0	$0	$3,213,384	
Project 2: Newhope-Placentia Trunk Sewer (NHP) Replacement Project 2-72	$1,000,000	$30,000,000	$73,890,000	$104,890,000	
Project 3: 2015 Integrated Watershed Protection Program	$5,054,302	$9,060,000	$16,379,698	$30,494,000	
Project 4: Santa Ana River Conservation and Conjunctive Use Program	$55,000,000	**$25,300,000** ~~$30,500,000~~	**$3,106,618** ~~$15,772,899~~	**$83,406,618** ~~$101,272,899~~	
Grand Total	**$64,267,686**	~~**$69,560,000**~~	~~**$106,042,597**~~	~~**$239,870,283**~~	**29%**
		$64,360,000	**$93,376,316**	**$222,004,002**	

Recommendation

* Direct staff to execute an amendment to the SAWPA/DWR Grant Agreement to reflect revised SARCCUP Project Facilities as recommended by the Project Agreement 23 Committee subject to minor facility cost adjustments

Questions?

Technical Writing/Grant Writing Support Services

Presented by Mark Norton P.E.,
Water Resources & Planning Manager

SAWPA Commission
December 19, 2017

SAWPA need for Technical/Grant Writing Services

- Included in the approved FY 17-19 SAWPA Budget for staff that the SAWPA Commission agreed could be used for consulting services instead
- Fulfills SAWPA Strategic Assessment need to address OWOW and Roundtable goals and objectives
- Improves ability to communicate OWOW Plan Update 2018 to decision makers
- Improves sharing of beneficial outcome of Roundtable projects
- Supports Brine Line marketing and business plan updates

SAWPA Approved the Following Oct. 16, 2017

- Issue Request for Qualifications (RFQ) to provide Technical and Grant writing services.
- Obtain approval for list of qualified consultants for SAWPA to use on an as-needed basis.
- Negotiate consultant support services as needed using funds that were included in the FY 17-19 budget for this purpose.
- Bring proposed consultant agreements back to the Commission for authorization and execution.

List of Qualified Consultants

Name of Firm	Technical Writing	Grant Writing	Both
Dudek			X
MNS Engineers			X
Woodard & Curran			X
Blais & Associates		X	
Hammons Strategies	X		
The Kahlen Group		X	

Two firms, Blue Tomorrow and CA Consulting, did not meet qualifications so six remaining firms are recommended for approval for on-call list

Technical Writing Services Contract

- Four firms were interviewed for expertise in technical writing services
- Immediate need exists to bring on consultant to support OWOW Plan Update 2018
- Dudek is recommended to best meet SAWPA immediate technical writing needs
- Additional contracts for other services forthcoming in January 2018

DUDEK

Future Technical and Grant Writing Contracts

- Forthcoming in January 2018
  - Roundtable Results Reporting and Handouts
  - Cowbird Trapping Results Briefing Document
  - Inland Empire Brine Line Business Plan Update
  - Inland Empire Brine Line Marketing Materials

Recommendation

- Approve the list of qualified firms that could provide technical writing and grant writing support services to SAWPA on as needed basis.
- Execute Task Order No. DUDEK373-01 with Dudek in the amount of $25,600 and Amendment No. 1 to the General Services Agreement to provide technical writing services in support of the SAWPA Planning Department and the OWOW Plan Update 2018.

Questions?

Dudek Scope of Work

- Conduct a complete review of the OWOW 2.0 Plan, and evaluate the current content and document structure in relation to the 2016 IRWM Plan.
- Complete a review of document items that require refreshing, including dates, names, acronyms, figures and exhibits. Track the necessary updates within the OWOW Plan, as well as in a separate tracking sheet. This effort will exclude Chapter 5 and its subchapters.
- Provide SAWPA with a mark-up version of the OWOW 2.0 Plan, taking into account items related to passive language, duplicative material, and clarity.
- Provide an online tool for use by consultant and SAWPA staff to manage the OWOW update process, with version control, task tracking, and timelines.

Technical Writing Support

Grant Writing Support – Pursues all types of grants

Inland Empire Brine Line Reach 4D Rehabilitation Work Plan RFP

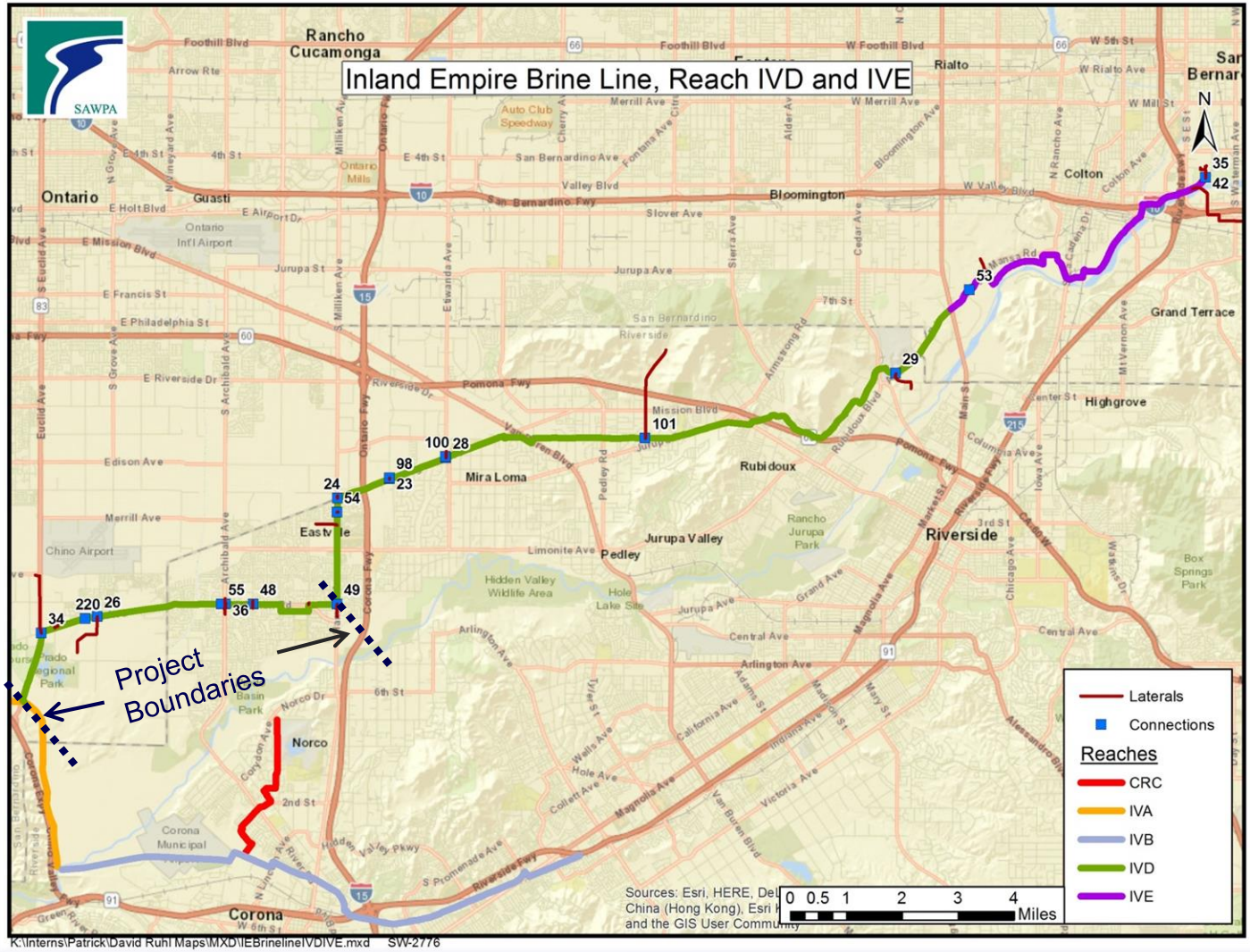
Item 6.C.

December 19, 2017

Reach 4D Work Plan RFP

- Recommendation to Commission
  - Direct staff to release a RFP for engineering services for the Reach 4D Rehabilitation Work Plan

Background


Inland Empire Brine Line, Reach IVD and IVE
SAWPA
Project Boundaries
Laterals
Connections
Reaches
CRC
IVA
IVB
IVD
IVE
0 0.5 1 2 3 4 Miles
N
Rancho Cucamonga
Ontario
Guasti
Bloomington
Colton
Rialto
Grand Terrace
Highgrove
Rubidoux
Mira Loma
Jurupa Valley
Pedley
Riverside
Norco
Corona
Chino Airport
Ontario Intl Airport
Auto Club Speedway
Hidden Valley Wildlife Area
Hole Lake Site
Rancho Jurupa Park
Box Springs Park
Prado Regional Park
Basin Park
Corona Municipal
Sources: Esri, HERE, Del
China (Hong Kong), Esri
and the GIS User Community
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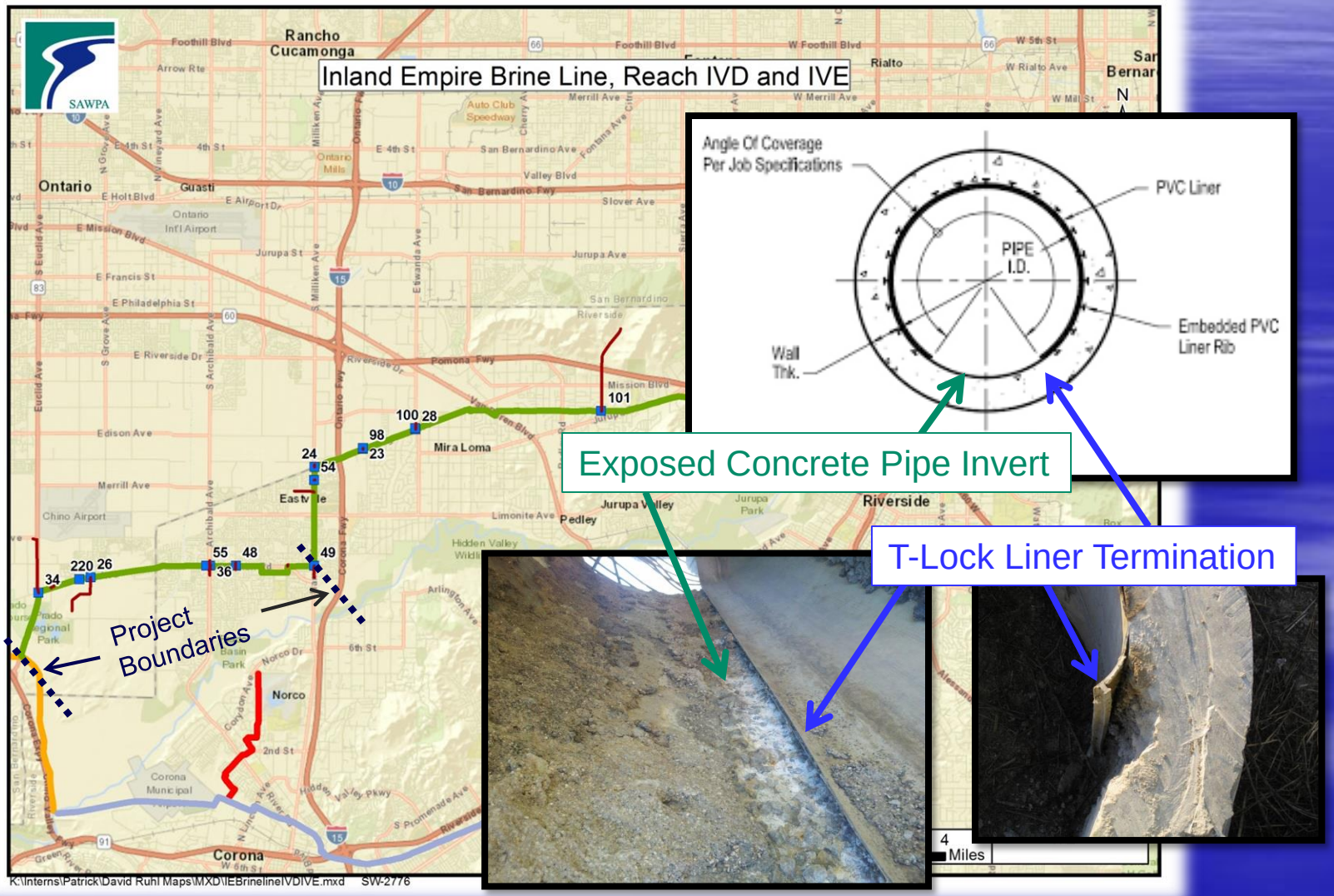
Background


Inland Empire Brine Line, Reach IVD and IVE
SAWPA
Project Boundaries
Angle Of Coverage
Per Job Specifications
PVC Liner
PIPE
I.D.
Embedded PVC
Liner Rib
Wall
Thk.
Exposed Concrete Pipe Invert
T-Lock Liner Termination
Rancho
Cucamonga
Ontario
Mira Loma
Riverside
Norco
Corona
Jurupa Valley
Pedley
Chino Airport
Ontario Intl Airport
Auto Club Speedway
Ontario Mills
San Bernardino
Riverside
Rialto
Miles
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RFP for Reach 4D Work Plan Scope of Work

- Field Investigation to Confirm Extent of the Problem
- Evaluate and Recommend Potential Repair Methods
- Identify Work Area Requirements
- Identify CEQA Requirements
- Prepare Preliminary Schedule and Cost Estimate

RFP Schedule

- Direct Staff to Issue RFP — Dec 19, 2017
- Pre-proposal Meeting — Jan 10, 2018
- Proposals Due — Jan 19, 2018
- Conduct Interview of Top Proposing Firms — Jan 31, 2018
- Recommend Award — Feb 20, 2018

Reach 4D Work Plan RFP

- Recommendation to Commission
  - Direct staff to release a RFP for engineering services for the Reach 4D Rehabilitation Work Plan

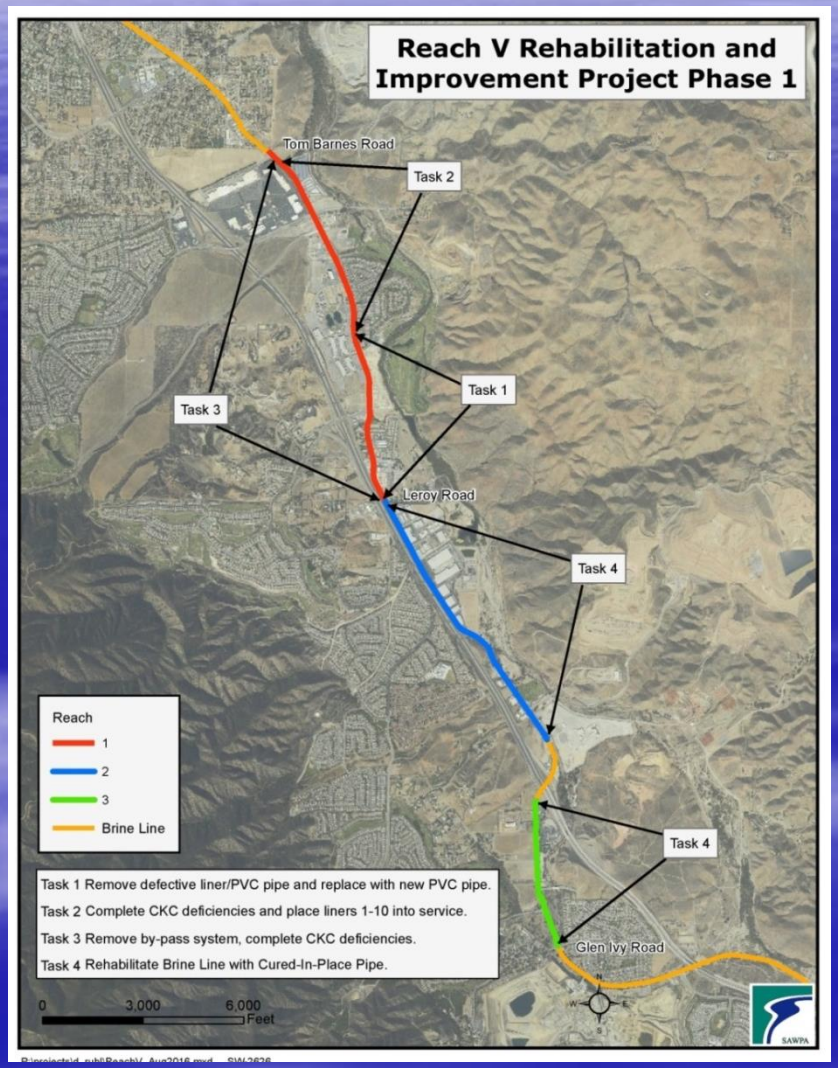
Questions

Reach 5 Rehabilitation and Improvement Project – Phase 1 Notice of Completion

Item 6.D.

December 19, 2017

Project Summary



Task 1, 2 (Reach 1)

- Remove 3,340’ of deficient PVC/CIPP and replace with new PVC Pipe

Task 3 (Reach 1)

- Remove by-pass line

Task 4 (Reach 2 and 3)

- CIPP Line 10,722 ft
- Remove and Replace 1,366 ft
- No Lining 416 ft

Expenditures

Contract	Authorized Amount	Expenditures
Construction (Weka)		
– Task 1, 2 (Deficient Work)	$2,116,207	$2,107,930
– Task 3 (Remove By-Pass Reach 1)	$600,000	$598,746
– Task 4 (Reach 2 and 3 CIPP) (a.)	$12,950,113	$12,091,563
	$15,666,320	$14,798,239

(a.) Includes estimated costs for final application for payment from Contractor.

Recommendation

- Authorize the GM to accept the Weka, Inc. work as complete and direct staff to file a Notice of Completion with the Riverside County Clerk upon the following:
  - Contractor has delivered all documents required by the Contract Documents
  - Notice from Engineer accepting the work
  - Receipt of Final Application for Payment from the Contractor
  - Notice from Construction Manager recommending final payment

Questions?

Reach V Repair Project

	Period Ending 10/31/2017 Expenditures	Projections	Total
Salaries	618,788.36	160,746.76	779,535.12
Benefits	268,773.08	70,919.19	339,692.27
Indirect Costs	965,399.82	229,028.29	1,194,428.11
Other Contract Services	177,020.46	-	177,020.46
Consulting	3,354,586.54	373,042.30	3,727,628.84
Engineering	129,269.63	-	129,269.63
Permitting	8,220.00	-	8,220.00
Construction	21,533,939.71	736,844.00	22,270,783.71
Legal	1,306,704.40	1,193,295.60	2,500,000.00
Materials and Supplies	3,174.80	-	3,174.80
Software	39.00	-	39.00
Meeting & Travel	7,618.39	-	7,618.39
Conference Expense	2,513.10	-	2,513.10
Shipping and Postage	548.06	-	548.06
Other Expense	1,233.37	2,000.00	3,233.37
Construction Interest	88,960.82	141,908.18	230,869.00
	$28,466,789	**$2,907,784**	**$31,374,574**
Project Budget (4/18/2017 Commission Meeting)			$32,262,000

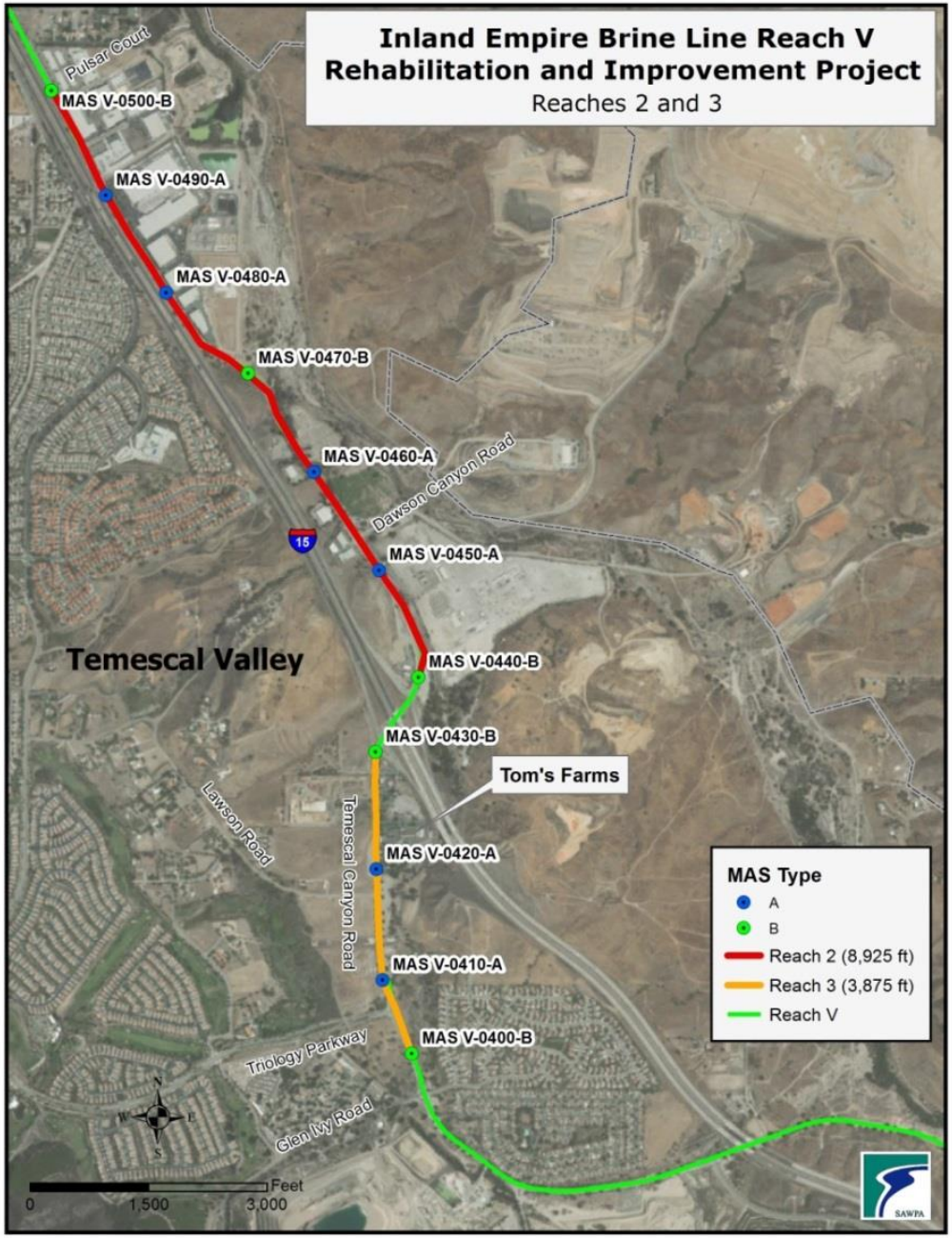
Ovality Results / Segment Summary

Reach 2

Segment #	Length	Ovality Range	Action
1.	500 ft	2.5% - 9.5%	CIPP Complete
2.	450 ft	2.3% - 9.4%	CIPP Complete
3.	550 ft	1.3% - 11.5%	CIPP Complete
4.	350 ft	1.5% - 8.0%	CIPP Complete
5.	350 ft	1.4% - 3.9%	No Lining
6.	400 ft	1.3% - 9.0%	CIPP Complete
7.	350 ft	1.0% - 7.5%	CIPP Complete
8.	410 ft	1.5% - 10.4%	CIPP Complete
9.	410 ft	1.6% - 10.0%	CIPP Complete
9B.	70 ft	6.0% - 16.5%	Remove and Replace Complete
10.	220 ft	1.6% - 7.7%	CIPP Complete
11.	270 ft	0.7% - 9.0%	CIPP Complete
11B.	440 ft	0.7% - 9.0%	CIPP Complete
12.	240 ft	1.5% - 12.0%	CIPP Complete
13.	460 ft	4.0% - 18.0%	CIPP (Increase wall thickness at 18% Ovality, 9ft) Complete
14.	405 ft	3.6% - 13.5%	CIPP Complete
15.	395 ft	3.3% - 16.1%	Remove and Replace Complete

Ovality Results / Segment Summary

	Segment #	Length	Ovality Range	Action
	16.	400 ft	2.9% - 11.2%	CIPP Complete
	17.	350 ft	3.2% - 12.4%	CIPP Complete
	18.	350 ft	1.4% - 12.0%	CIPP Complete
	19.	510 ft	1.0% - 8.0%	CIPP Complete
	20.	270 ft	2.2% - 8.0%	CIPP Complete
	21.	470 ft	0.6% - 7.0%	CIPP Complete
	22.	225 ft	1.2% - 7.8%	CIPP Complete
Reach 3	23.	354 ft	0.6% - 7.0%	CIPP Complete
	24.	446 ft	1.4% - 10.6%	CIPP Line on 10/4
	25.	654 ft	1.1% - 8.5%	CIPP Line on 10/2
	26.	400 ft	0.4% - 10.2%	CIPP Complete
	27.	350 ft	0.4% - 10.2%	CIPP Complete
	28.	660 ft	0.5% - 8.5%	CIPP Complete
	29.	69 ft	1.2% - 8.2%	Remove and Replace Complete
	29B.	75 ft	0.0% - <5%	No Lining
	30.	650 ft	2.7% - 10.4%	Remove and Replace Complete
	31.	232 ft	0.9% - 7.9%	Remove and Replace Complete


Inland Empire Brine Line Reach V
Rehabilitation and Improvement Project
Reaches 2 and 3
Pulsar Court
MAS V-0500-B
MAS V-0490-A
MAS V-0480-A
MAS V-0470-B
MAS V-0460-A
Dawson Canyon Road
15
MAS V-0450-A
Temescal Valley
MAS V-0440-B
MAS V-0430-B
Tom's Farms
Lawson Road
Temescal Canyon Road
MAS V-0420-A
MAS V-0410-A
MAS V-0400-B
Trilogy Parkway
Glen Ivy Road
MAS Type
A
B
Reach 2 (8,925 ft)
Reach 3 (3,875 ft)
Reach V
N
W
E
S
Feet
0
1,500
3,000
SAWPA
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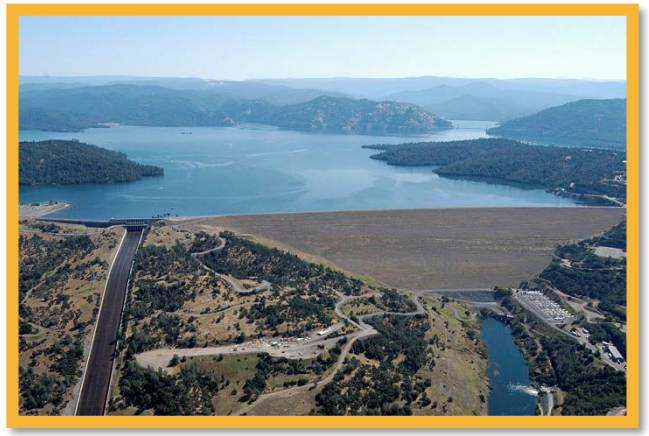
Chino Basin Conjunctive Use Environmental Water Storage/Exchange Program

The Chino Basin Project

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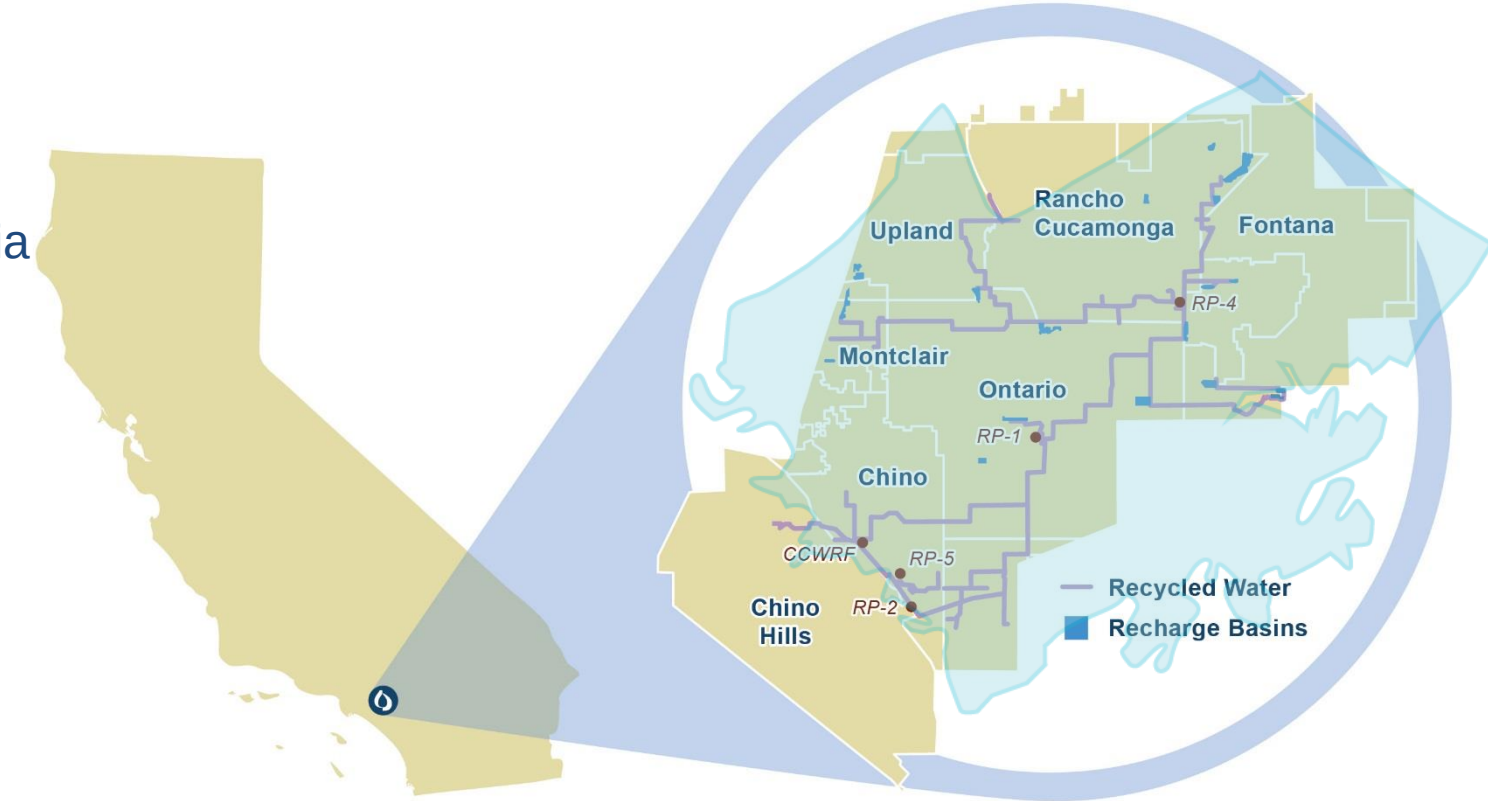
California Water Commission Briefing
December 13, 2017

Chino Basin Project Location

Project Partners & Supporters

- Chino Basin Desalter Authority
- Chino Basin Watermaster
- Jurupa Community Services District
- Metropolitan Water District of So. California
- Regional Water Quality Control Board
- Santa Ana Watershed Project Authority
- Southern California Water Committee
- The Nature Conservancy
- Western Municipal Water District



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100% Guaranteed and Dedicated Delta Supply

- Provides ecological benefits north & south of Delta
- New source of conjunctively managed water
- Not dependent on climate

Source: http://pixdaus.com/files/items/pics/2/45/244245_0a963155c4160c8464e7711a5e15d65f_large.jpg

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Chino Basin Project – 3 Ref: A1 Executive Summary P 1; A3 Project Description: P 22-23

New Source of Water, Not Dependent on the Delta

- Reliable new dedicated water supply
- Available on-call anytime, including dry, critically dry and successive dry years
- Flexible delivery of water (i.e., annually or all at once)

Source: http://www.keepcalmandflyfish.com/search?q=feather+river

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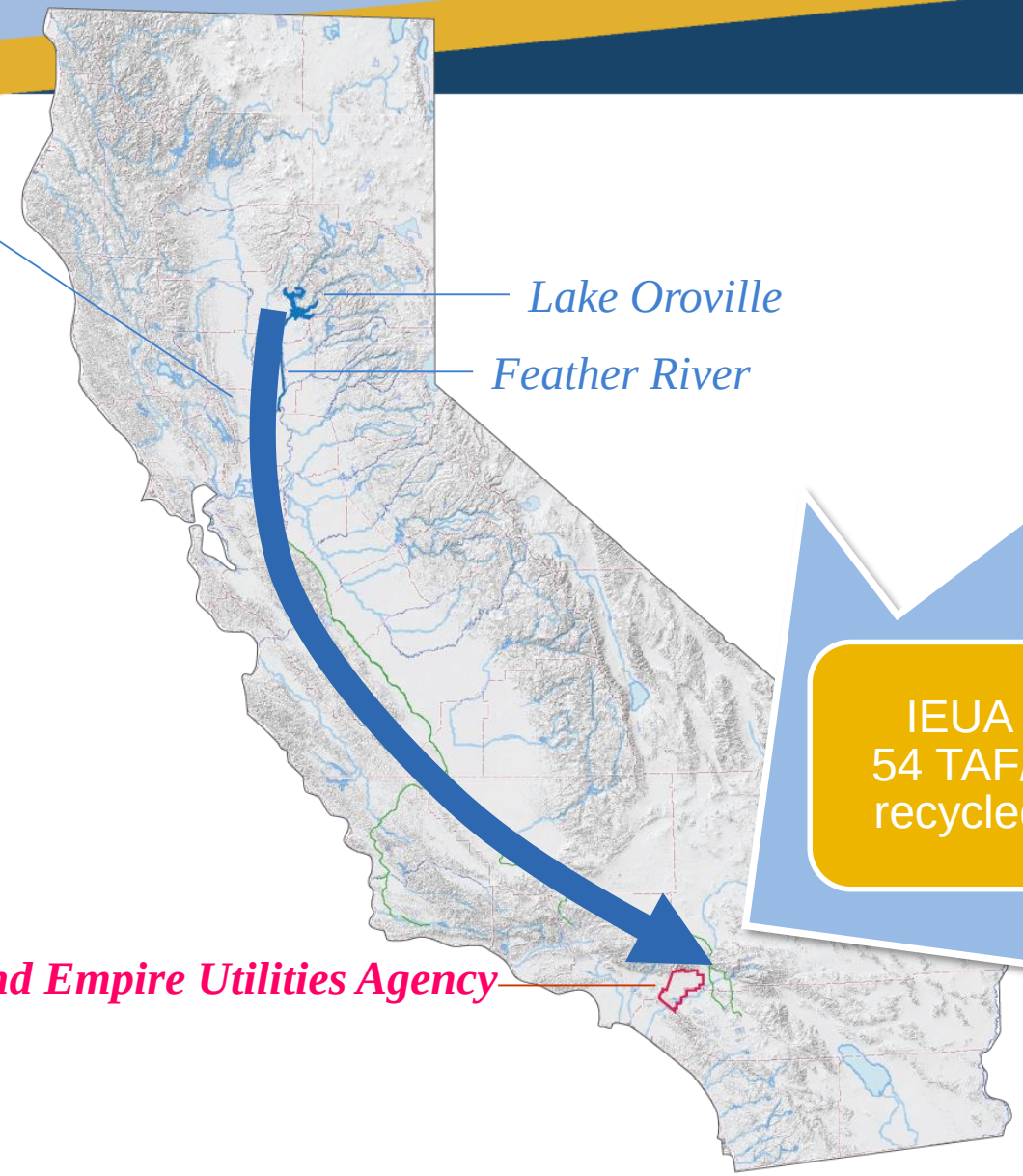
Chino Basin Pre-Project Conditions



State Water Project (SWP) Deliveries to Southern California

- From Lake Oroville
- Across the Delta
- Pumped through the SWP California Aqueduct
- Delivered to partnering SWP contracting agencies

15 TAF/year currently available for other uses

IEUA treats 54 TAF/year of recycled water

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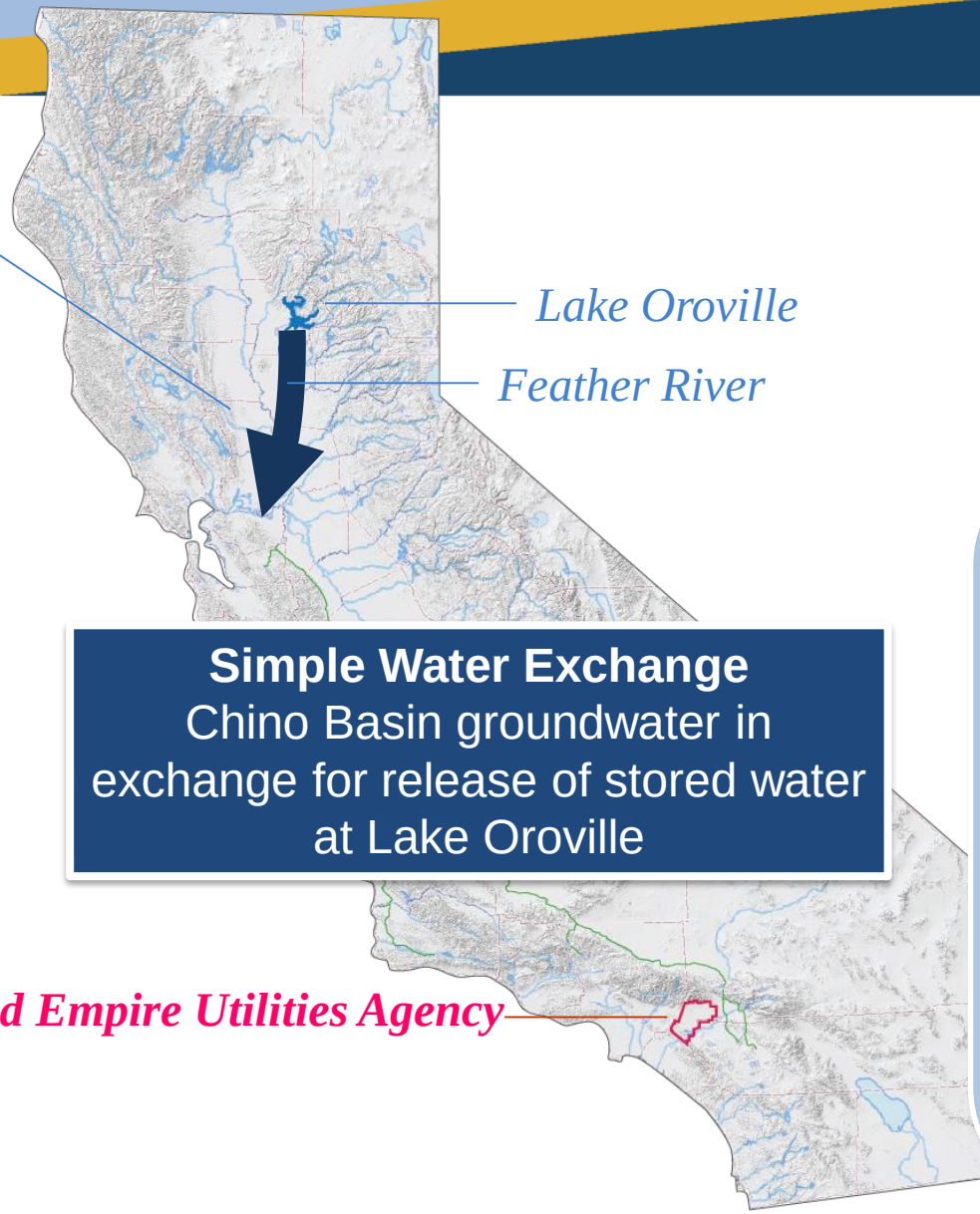
TAF: Thousand Acre Feet

Ref: A1 Executive Summary P 1-20; A3 Project Description: P 13-14

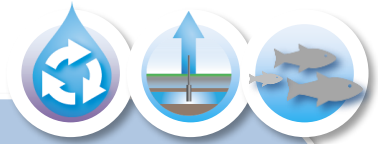
Chino Basin Post-Project Conditions

Ecosystem Benefits

- Reliable new dedicated water supply
- Available on-call anytime, including dry, critically dry and successive dry years
- Increased Delta outflow
- Borrowing capacity starting 2020



Simple Water Exchange
Chino Basin groundwater in exchange for release of stored water at Lake Oroville



Proposed Project

- Advanced water treatment of recycled water
- Stored as new water in the local basin – flexible, secure and resilient
- Continue supply for Santa Ana River ecosystem
- On-call from DFW, deliver water from storage for Delta ecosystem benefits

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Ref: A1 Executive Summary P 2, 8, 11; A3 Project Description: P 1, 15

Borrow Capacity from Existing Surplus Groundwater

- Utilize surplus Chino Basin storage
- Leverage existing infrastructure
- Project benefit as early as 2020

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Provide Ecological Benefits to Delta

- Dedicates blocks of water for ecological needs
- Lake Oroville discharges benefit the Feather River, fall and spring run Chinook salmon and aquatic habitat

Source: http://images.fineartamerica.com/images-medium-large/jumping-chinook-salmon-tim-grams.jpg

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Chino Basin Project Components

- Advanced water treatment facility
- Wells and treatment system
- Pipelines and interconnection
- Secure supply for Santa Ana River discharges
- Local agencies pay for operations and maintenance costs, while **100% supply is dedicated to Delta**

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Ref: A1 Executive Summary P 3, 8-10; A3 Project Description: P 21

Chino Basin Project Public Benefits

Source: http://www.uppersarhcp.com/

Source: http://www.nmfs.noaa.gov/stories/2015/09/images/chinooksalmon02.jpg

- Reliable **new water supply** in all types of years
- **Flexible delivery** of water (annually, all at once, etc.)
- **Dedicates blocks of water** for ecological needs
  - Lake Oroville discharges benefit the Feather River, **fall and spring run Chinook salmon** and aquatic habitat
- **Enhances local water quality** in the Chino Basin
- **Emergency response** supply for Southern California
  - Through agreements with State Water Project Contractor(s)

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Ref: A1 Executive Summary P 3, 8-10; A3 Project Description P 21

Chino Basin Project Non-Public Benefits

Source: http://www.watereducation.org/sites/main/files/imagecache/medium/mainimages/aqueduct-east-branch-extension-4.jpg

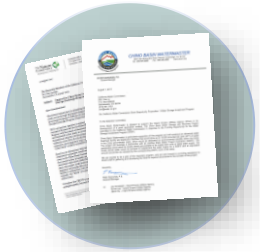
- Frees up capacity in California Aqueduct, improving **flexibility & resilience** of State Water Project operations
- Ensures **sustainable groundwater management** by increasing local groundwater recharge
- Addresses historical Chino Basin land subsidence
- Year-round flows provide **ecological benefits** for Santa Ana River

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Chino Basin Project Timeline & Milestones

Facilities Startup
2025

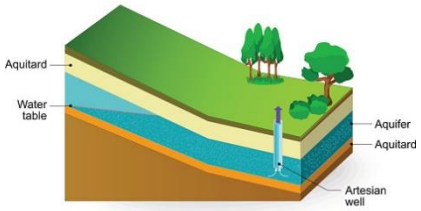
Agreements Executed
2020



Final Environmental Document
2020

Permits & Design Complete
Begin Construction
2021

Early Project Benefit
Borrowing Capacity Available
2020



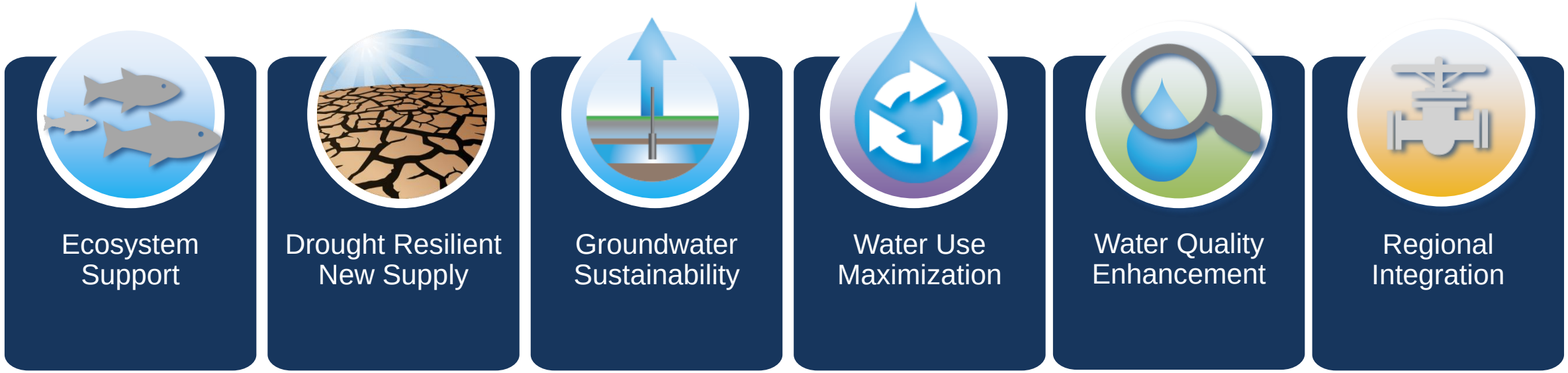
2017

Grant Application
Aug 2017

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Chino Basin Project

Create a dedicated environmental water account with **100% of the water available for Delta Benefits** while providing regional and local water resiliency benefits



Consistent with California Water Action Plan

Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

Chino Basin Project Technical Reference

A. Proposed project assets to be acquired with WSIP funds

1. Secure commitments for continued discharge of 15,000 acre-feet per year of treated wastewater from upstream sources tributary to the Santa Ana River for 25 years. Estimated capital cost: $95 million
2. Construct advanced water treatment and distribution facilities to produce and store 15,000 acre-feet per year and recharge this treated water in the Chino Basin Water Bank (CBWB). Estimated capital cost: $180 million
3. Construct facilities to extract and treat water withdrawn from the CBWB and connect to a partnering State Water Project Contractor (SWPC) (Metropolitan Water District of Southern California (MWDSC) and/or the San Bernardino Valley Municipal Water District (SBVMWD)) distribution system with capacity of 50,000 acre-feet per year. Estimated capital cost: $205 million

B. Proposed financing of ongoing O&M costs

1. The annual operations and maintenance (O&M) costs will be allocated among the local agencies and SWPC.
2. Inland Empire Utilities Agency (IEUA) to pay approximately 75 percent of total anticipated costs for annual O&M of $910 per acre-foot for 25 years. IEUA to pay all ongoing O&M costs after 25 years.
3. Partnering SWPC to pay approximately 25 percent of total anticipated costs for annual O&M of $910 per acre-foot for 25 years. (To be negotiated)
4. Project assets revert to IEUA after the end of the 25-year project life span for local use.

C Proposed project operational parameters

1. Reserve 100,000 acre-feet of storage capacity in the CBWB for Chino Basin Environmental Water Program Operations, to be used for deposit of up to 15,000 acre-feet in each year for 25 years of water produced by the project's advanced water treatment facilities, and accessible for withdrawal at a maximum capacity of 50,000 acre-feet per year, when an ecosystem need arises (dry and critical years in the operations proposed here, and up to three years in sequence).
2. Provide up to 50,000 acre-feet per year of "borrowed water" from the CBWB in advance of deposits, with a maximum "credit limit" of 100,000 acre-feet. Any borrowed water must be returned to the CBWB by the end of 25 years.

C. Proposed operational strategy

1. 15,000 acre-feet per year of new water produced by the advanced water treatment facilities will be stored in the CBWB.
2. When an ecosystem need arises (dry and critical years in the operations proposed here), up to 50,000 acre-feet per year for up to three sequential years can be extracted from the CBWB and provided to the partnering SWPC.
3. Partnering SWPC would forebear delivery of SWP Table A delivery of an equivalent amount provided by the CBWB.
4. State of California Department of Water Resources (DWR) would dedicate the equivalent amount of water that would have been delivered to the partnering SWPC to instream flow purposes and release from Lake Oroville per a schedule provided by California Department of Fish and Wildlife (DFW)

D. Proposed institutional arrangements

1. DFW agrees to manage its participation in the CBEWP. DFW agrees to make calls for water for instream flow purposes subject to terms of their participation, including availability of stored water or borrowing capacity, in quantities and schedule DFW determines will provide optimum ecosystem benefit.
2. DWR agrees to seek a water right change under Section 1707 of the Water Code to provide the ability to dedicate water released from Lake Oroville for instream flow purposes. Terms of the water right change would include conditions and requirements for implementing dedicated instream flow, including availability of alternative water to substitute for scheduled delivery of Table A water to SWPC and no injury to other water rights holders and SWP contractors. DWR agrees to release water from Lake Oroville per terms of agreement and an approved Water Code Section 1707 petition and further agrees not to export those releases. DWR agrees to negotiate and complete any needed amendments to the SWP water supply contract with SWPC.
3. IEUA agrees to manage CBEWP operations within the CBWB and provide water to SWPC subject to availability when called by DFW.
4. SWPC agrees to accept alternative supply from CBWB when called by DFW and forebear delivery of SWP Table A. SWPC agrees to pay IEUA a to-be-determined contribution towards operating costs of the water bank, as informed by the cost savings realized by not paying transportation costs for delivery of SWP water and any reduced treatment costs associated with the improved quality of CBEWP supplies compared to imported SWP water. SWPC agrees to negotiate and complete any needed amendments to SWP water supply contract with DWR.

Chino Basin Project

Halla Razak

General Manager
Inland Empire Utilities Agency

6075 Kimball Avenue
Chino, CA 91708
(909) 993-1762
www.ieua.org

California Environmental Quality Act and Right of Entry Agreement

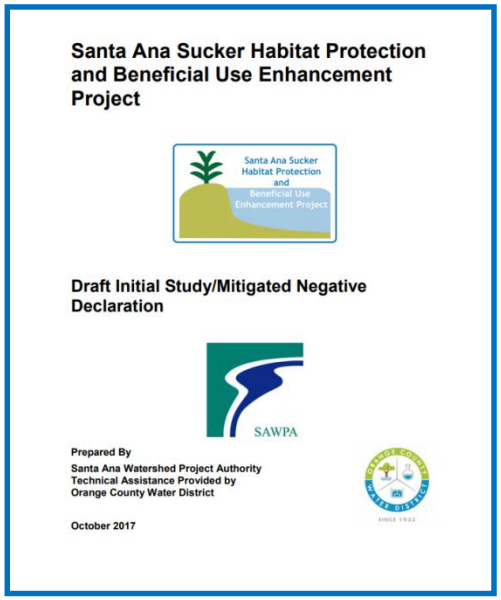
SAWPA Commission
December 19, 2017

Ian Achimore
Senior Watershed Manager
Santa Ana Watershed Project Authority

Santa Ana Sucker Fish Conservation Team

Purpose of Commission Item

California Environmental Quality Act (CEQA)



Santa Ana Sucker Habitat Protection and Beneficial Use Enhancement Project

Draft Initial Study/Mitigated Negative Declaration

SAWPA

Prepared By
Santa Ana Watershed Project Authority
Technical Assistance Provided by
Orange County Water District

October 2017

Property Access

REGIONAL PARK AND OPEN-SPACE DISTRICT RIVERSIDE COUNTY

Santa Ana Sucker Fish Conservation Team

Santa Ana Sucker and Project Overview

Santa Ana Sucker Habitat Protection and Beneficial Use Enhancement Project

- Listed under the Endangered Species Act in 2000
- "The most pressing threat is the lack of suitable habitat" U.S. Fish and Wildlife Service, 2014
- Sucker's habitat includes rock and cobble
- Project seeks to expose rock beneath sandy river bottom
- Construction Estimate: $136K

Photo/graphic credit: Santa Ana Watershed Association and Scheevel Engineering

Roundtable: Santa Ana Sucker Conservation Team

Team Members:

Team Description:

Determine reasons for the decline of the Sucker in the Watershed, and devise strategies for its recovery.

Team Benefits:

Receive grant funding regulated entities not eligible to receive.

Team projects improve baseline of species.

Santa Ana Sucker Fish Conservation Team

Funding

Orange County Water District
SINCE 1933

Santa Ana Sucker Habitat Protection and Beneficial Use Enhancement Project

Supplemental Environmental Project Funding
California Water Boards

City of Riverside
City of Arts & Innovation

U.S. Fish & Wildlife Service
Department of the Interior

San Bernardino Valley Municipal Water District

SAWPA

Santa Ana Sucker Fish Conservation Team

Project Schedule

- September 2017 – Briefed Commission on CEQA
- November 2017 – CEQA Public Comment Period
- December 2017 – CEQA and Right of Entry Approval
- January 2018 – Submit Permit Applications
- Summer 2018 – Public Works Bid Process
- Fall 2018 – Construct Project



Project Area

- Land owned by Riverside County Parks.
- Standard Right of Entry Agreement Conditions.
- Waived Agreement Fee.

Santa Ana Sucker Fish Conservation Team

CEQA and Mitigation Monitoring

- Comment Period: Nov 2017
- Scoping Meeting: Nov 16, 2017
- Three comments
  - Native American Heritage Commission
  - Riverside County Department of Transportation
  - San Bernardino County Department of Public Works


Santa Ana Sucker Habitat Protection and Beneficial Use Enhancement Project

Draft Initial Study/Mitigated Negative Declaration

SAWPA

Prepared By
Santa Ana Watershed Project Authority
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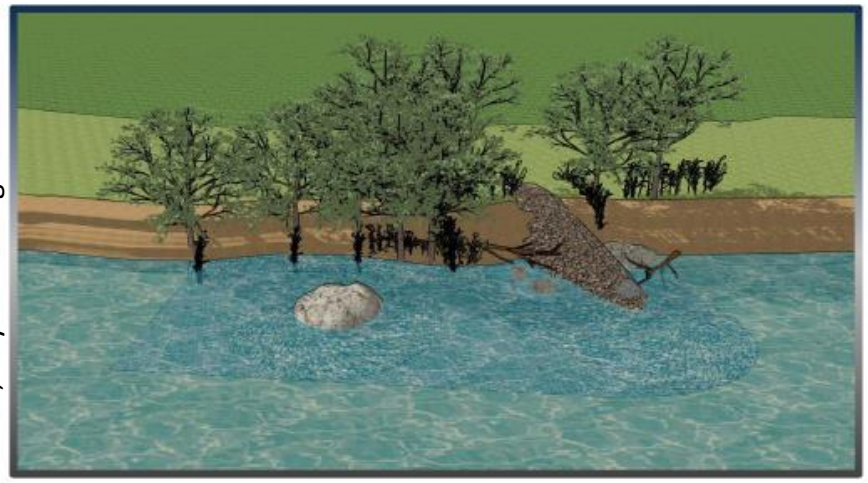
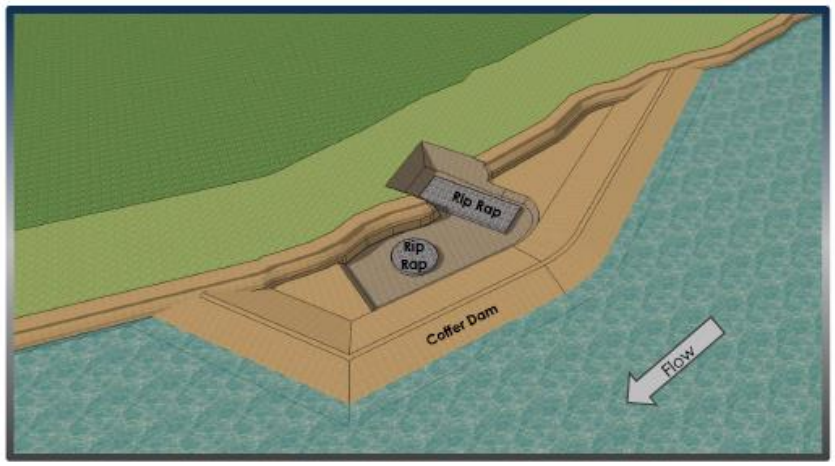
October 2017

Mitigation Measures

Expected Useful Life

With $136K Available Funding; Built for Flow Levels of 2,500 Cubic Feet Per Second



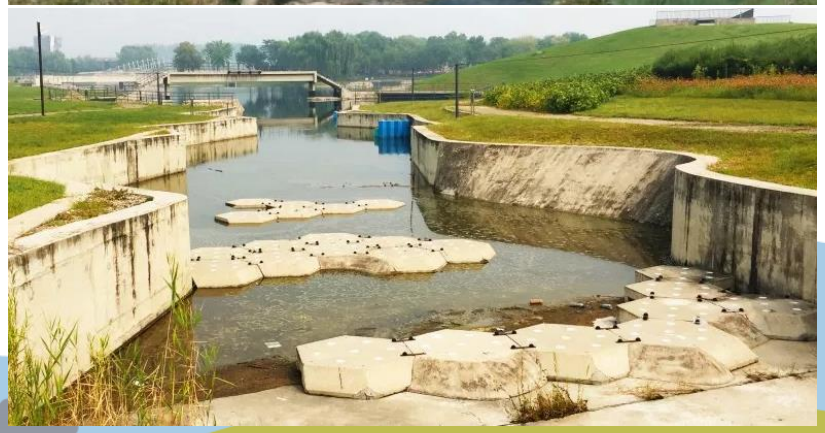


Graphic credit: Scheevel Engineering, Burbex, City of Los Angeles

Current Project

Comparison Project

Cost of $2M; Built for Flow Levels of 10,000 Cubic Feet Per Second



Recommendation

Take the following actions with respect to the Project:

- Conduct a public hearing and consider any public comments and comment responses to the Draft Initial Study/Mitigated Negative Declaration.
- Adopt:
  - The Final Initial Study/Mitigated Negative Declaration.
  - The Mitigation Monitoring and Reporting Program.
- Direct Staff to file a Notice of Determination.
- Approve execution of a right of entry agreement with the Riverside County Regional Park and Open-Space District.

CEQA

Santa Ana Sucker Fish Conservation Team

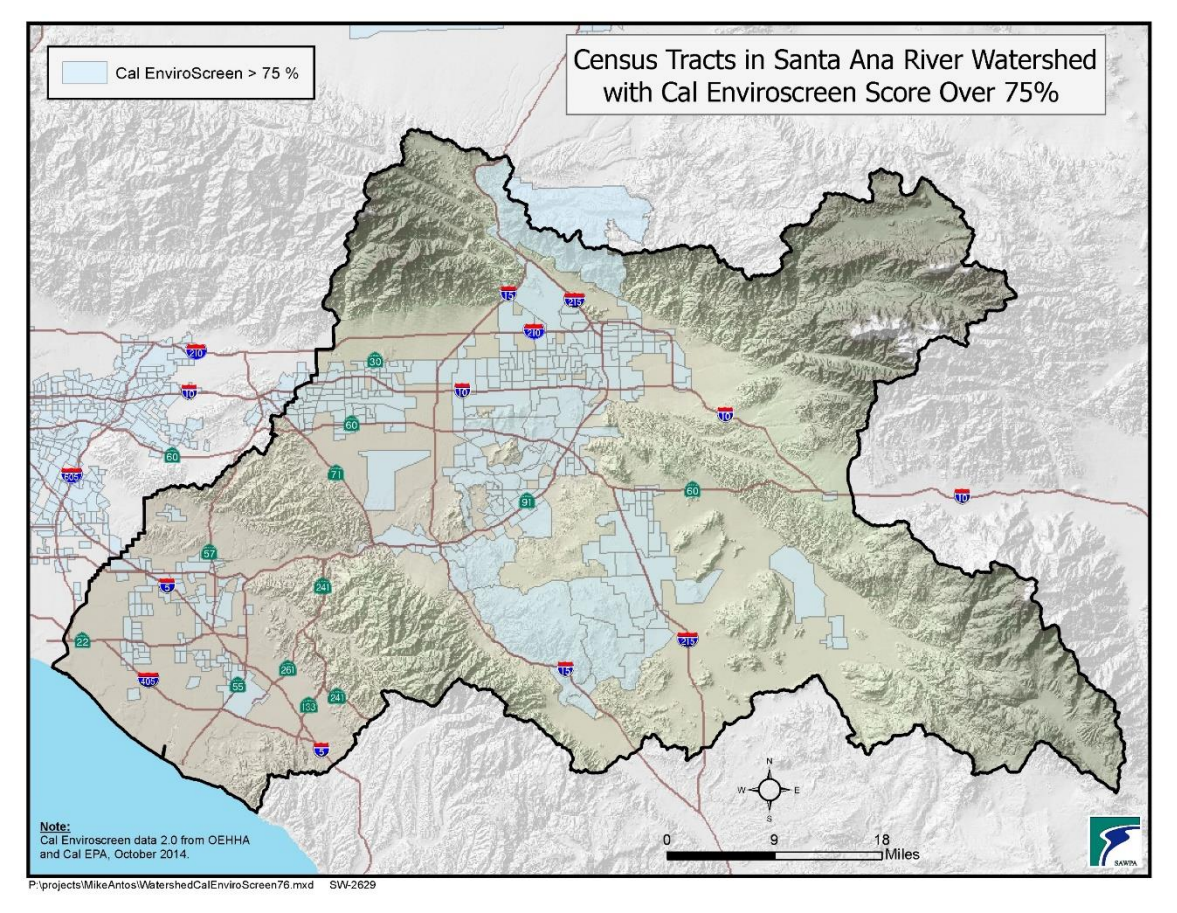
Water Energy Community Action Network

Mike Antos, Ph.D.
Senior Watershed Manager

SAWPA Commission Meeting
December 19, 2017

OWOW Business Line - Critical Success Factors

Distribution of benefits across the watershed fairly and equitably.



WE CAN

SAWPA

Roundtable Business Line - Critical Success Factors

SAWPA's reputation as a trusted leader and administrator.

WE CAN

SAWPA

State of WECAN

Grant admin and program on budget

Following extension granted by DWR, on-schedule for Dec 2018 completion.

WE CAN

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WECAN Background

- Funding via Water-Energy Nexus grant from DWR, matched by local dollars from retail water supply partners
- For disadvantaged communities, providing:
  - Indoor fixture retrofits to save water and energy
  - Outdoor front-yard turf replacement
  - Training on landscape maintenance

WE CAN

SAWPA

Our team

- Five funding partners
- Three Community Action Partnerships
- Three consultant firms

Achievements

Fixture	No. Installed	Perc. Total
HE Toilets	170	65%
Low-flow showerheads	180	40%
Thermostatic Shower Valves	184	37%
Faucet Aerators	274	61%
HE Hot Water Heaters	67	17%
How Water Heater Blankets	97	97%

Turf Partner	Sq. Ft. Removed	Perc. Total
Anaheim PU	28,035	86%
Fontana WC	24,120	37%
Jurupa CSD	77,190	100%
West Valley WD	33,346	51%

WE CAN

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SAWPA Recognition

San Bernardino County Community Action Partnership

1. Supervisors of San Bernardino County
2. California State Senator Mike Morrell (23rd)
3. California State Senator Connie Leyva (20th)
4. California State Assemblymember Freddie Rodriguez (52nd)
5. California State Assemblymember Tom Lackey (36th)
6. California State Assemblymember Chad Mayes (42nd)
7. California State Assemblymember Eloise Gomez Reyes (47th)
8. California State Assemblymember Marc Steinorth (40th)
9. US House of Representative Norma Torres (35th)
10. US House of Representatives Pete Aguilar (31st)

MOU Amendment

- Committed to 92,500 square feet of turf removal
- Decided to stop prior to that achievement at about 77,000 square feet removed

- Committed to 32,500 square feet of turf removal
- Wants to do 20,000 additional

The memo recommends:

1. That the Commission authorize the General Manager to negotiate and sign an amendment to the MOU between SAWPA and the Anaheim Public Utilities to accept an additional $40,000 of match dollars from the Anaheim Public Utilities to execute the Water Energy Community Action Network Project.

WE CAN

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