

# Wrought Iron Fence SAWPA Building

Item 5.B.

July 18, 2017

# Wrought Iron Fence

## Recommendation to SAWPA Commission

- Approve use of funds from the Building Reserve Account in an amount not-to-exceed \$30,000 for the installation of an 8-foot tall wrought iron fence on the west side of the SAWPA building.

# Wrought Iron Fence



Phase 1: Temporary chain link fence  
Phase 2: Permanent wrought iron fence

Santa Ana Watershed  
Project Authority

Sterling Ave

Sterling Ave

Sterling Ave

Sterling Ave



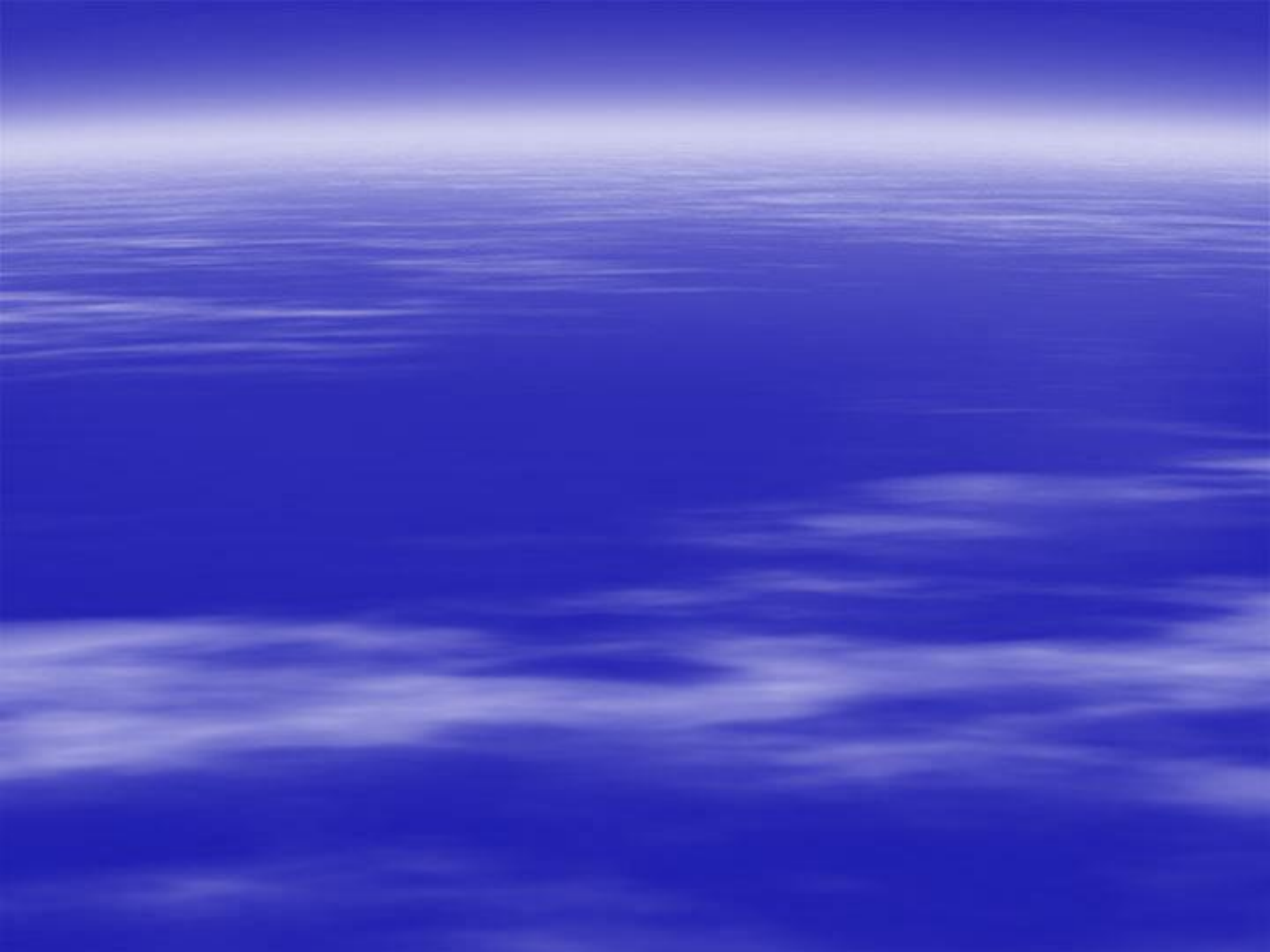


# Wrought Iron Fence

## Recommendation to SAWPA Commission

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Questions?







2017.06.19 09:34

# Local Hazard Mitigation Plan Update

Item 5.C.

July 18, 2017

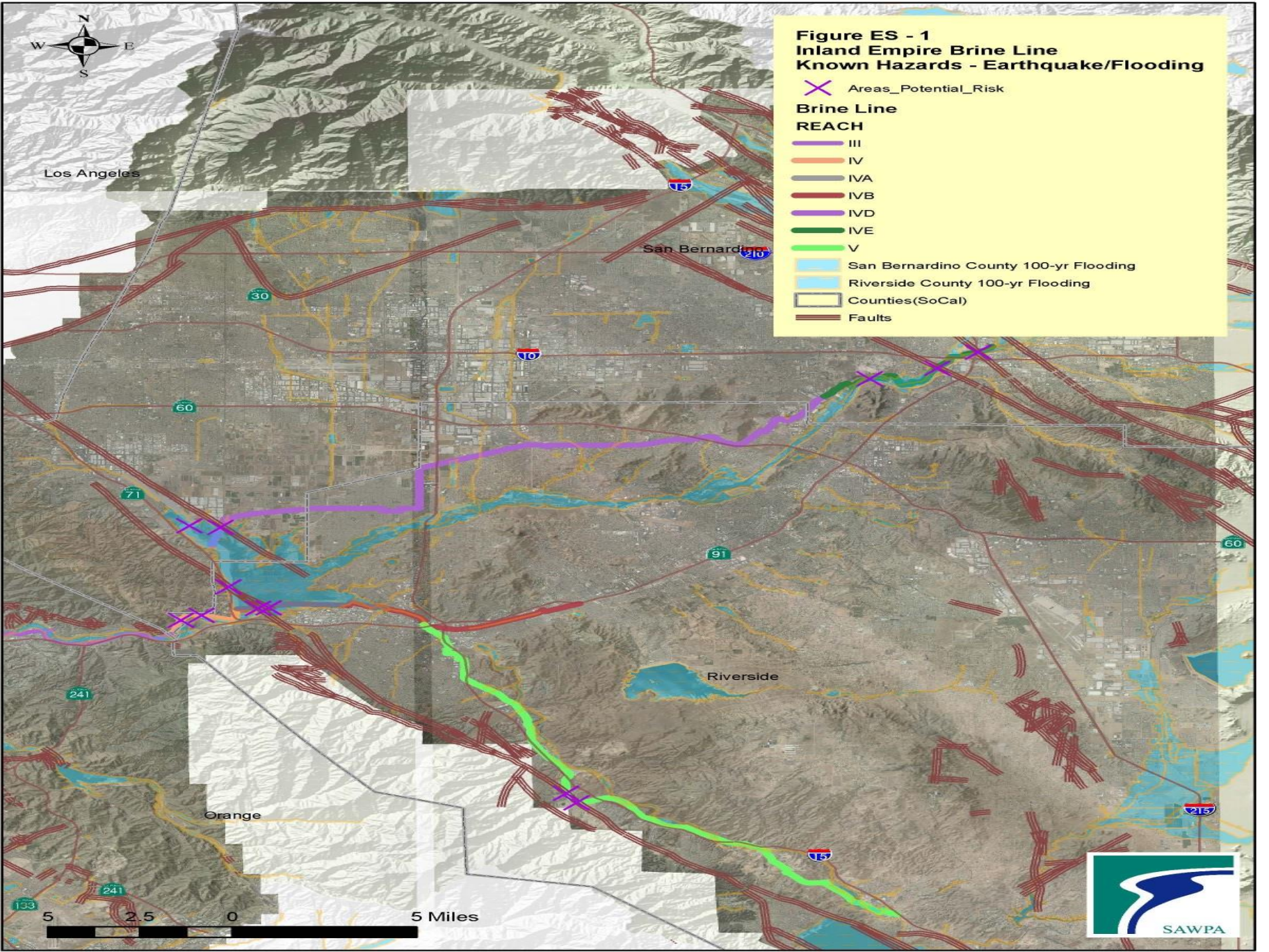
# Local Hazard Mitigation Plan

Recommendation to SAWPA Commission

- Receive and file

# Local Hazard Mitigation Plan

- Local Hazard Mitigation Plan – FEMA  
Condition for federal disaster mitigation funds
- Lead Agencies are Riverside County  
Emergency Management Department and San  
Bernardino County Office of Emergency  
Services.
- Brine Line risks and vulnerabilities are  
identified and strategies developed to  
prevent/minimize damage



**Figure ES - 1  
Inland Empire Brine Line  
Known Hazards - Earthquake/Flooding**

✕ Areas\_Potential\_Risk

**Brine Line**

**REACH**

III

IV

IVA

IVB

IVD

IVE

V

San Bernardino County 100-yr Flooding

Riverside County 100-yr Flooding

Counties(SoCal)

Faults



# Local Hazard Mitigation Plan

- Main hazard mitigation projects include:
  - Acquisition of sufficient spare sections of pipe, various diameters and materials
  - Bypass pump and pipe
  - Pipeline protection in areas prone to flooding/erosion
- Purpose is to expedite repairs during a catastrophic event
- Future actions may include coordination with dischargers to have adequate brine storage
- Final LHMP will require adoption by SAWPA Commission

# Local Hazard Mitigation Plan

## Recommendation to SAWPA Commission

- Receive and file

Questions?



# FY17 Accomplishments, FY18 Goals Brine Line, Grants Quality Assurance

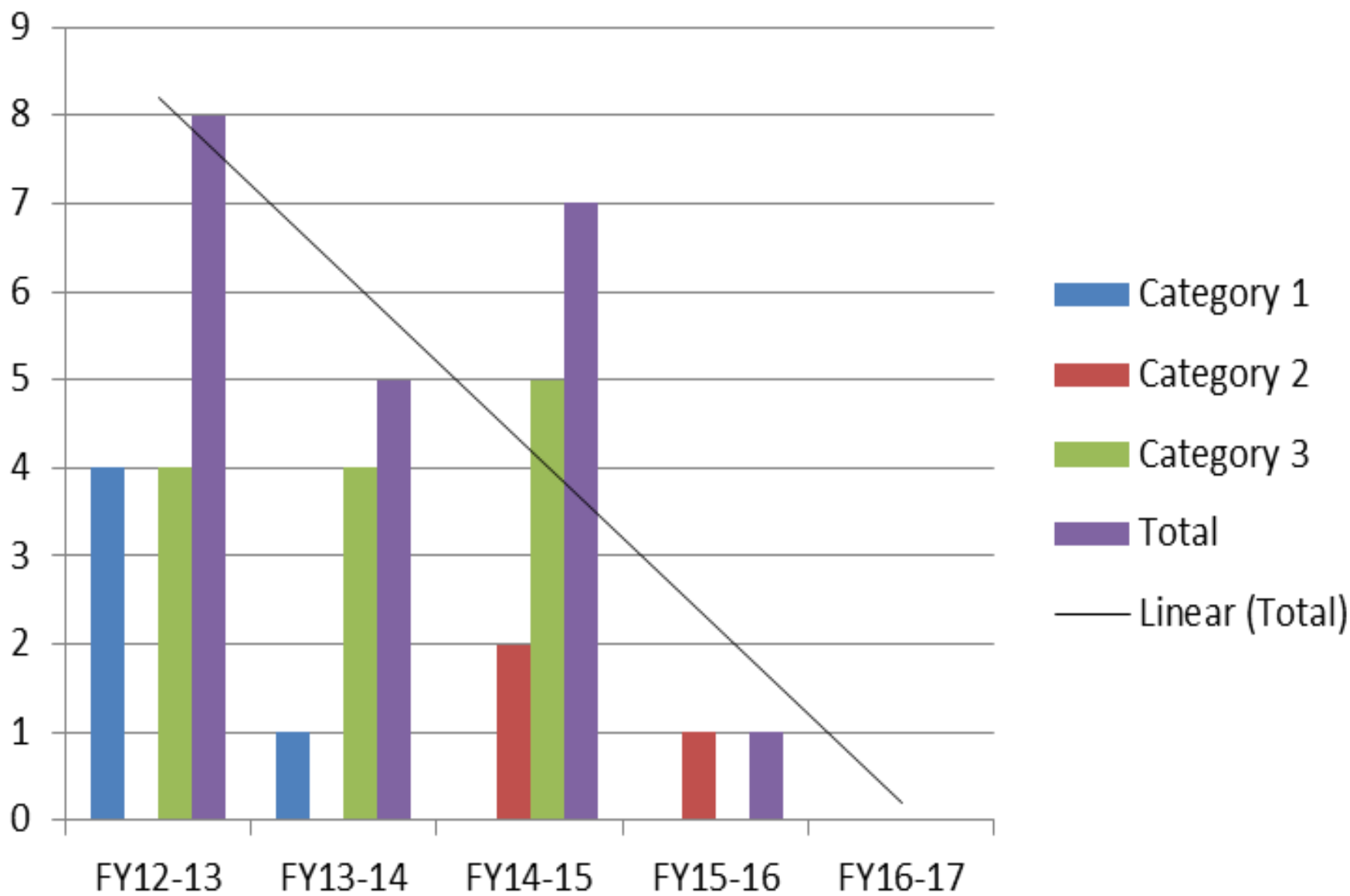
Recommendation: receive and file

# FY17 Accomplishments, FY18 Goals

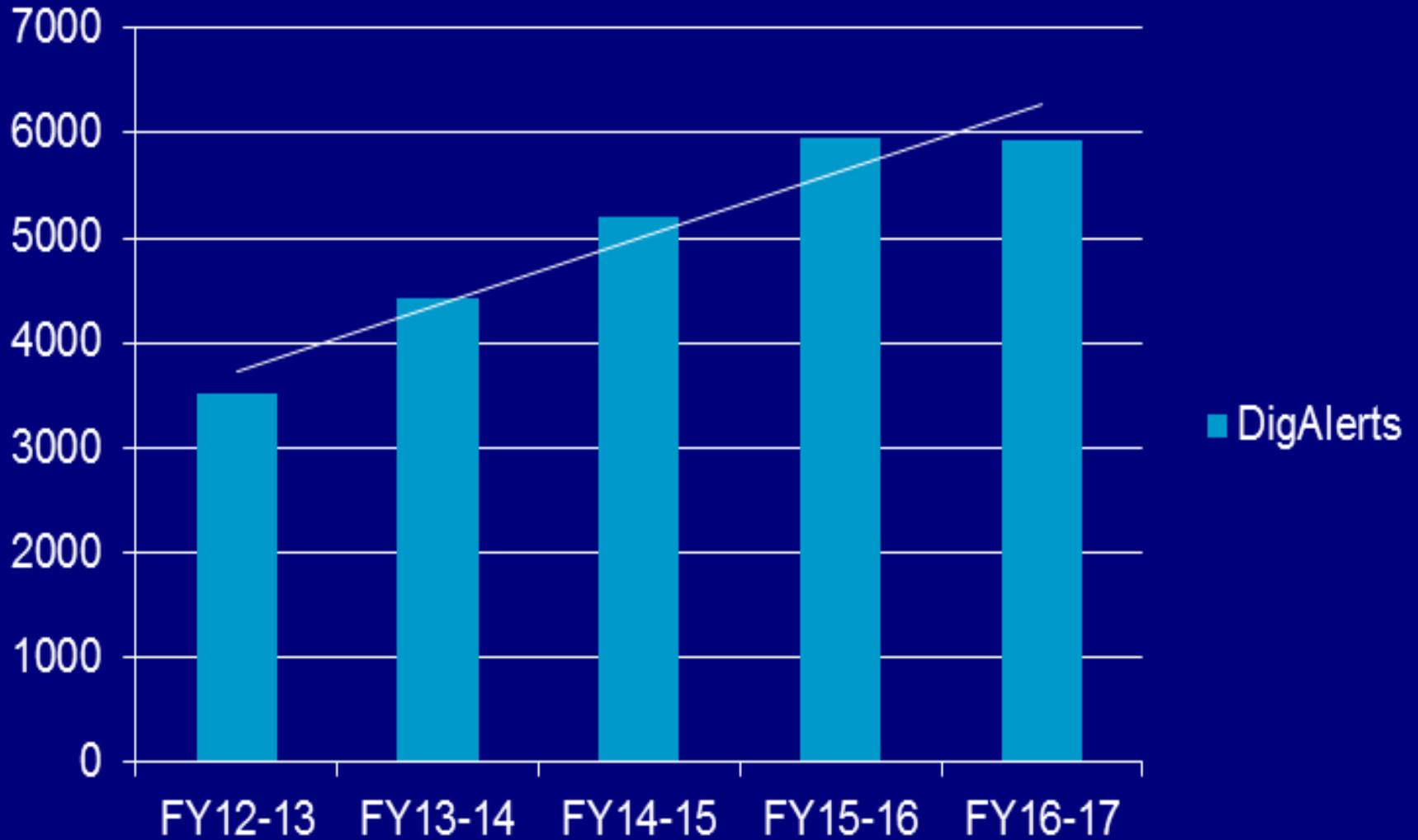
## FY 17 Results

- Safety – no mishaps for FY
- Sewer spills/overflows - zero (800% reduction since 2013)
- Utility marking – 5,900 requests, 900+ mark outs
- Pretreatment : 35 permits issued, 228 site inspections, 465 sampling events
- 35 grant invoices totaling \$33M processed
- 33 site visits conducted for grant QA program
- Reach IV-B line cleaning frequency adjusted – cost savings

# # SSOs Per FY by Category



# DigAlerts



# FY 18 Priorities

- Spill Prevention
  - Air/vac valve refurbishment (55)
  - Refine air/vac auto controller
  - At-grade air/vac secondary containment
- Preventative Maintenance
  - Maintenance Access Structures: inspect all 400+
  - Potholing for line location confirmation – Reach V overland alignment/inaccurate as-built drawings
  - Line Cleaning – Reach IV-A and IV-B Lower
- Line Location – accuracy, workload
- Integration of 4<sup>th</sup> field position into work flow

# Inland Empire Brine Line

Pretreatment –

- Adoption of new Ordinance, preparation of program documents
- Prepare for EPA audit

Reach V – complete construction

Corrosion – investigation of Reach IV-D

Grant Programs – project closeout, invoices, submittals, prepare for DOF audit

**QUESTIONS?**

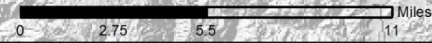
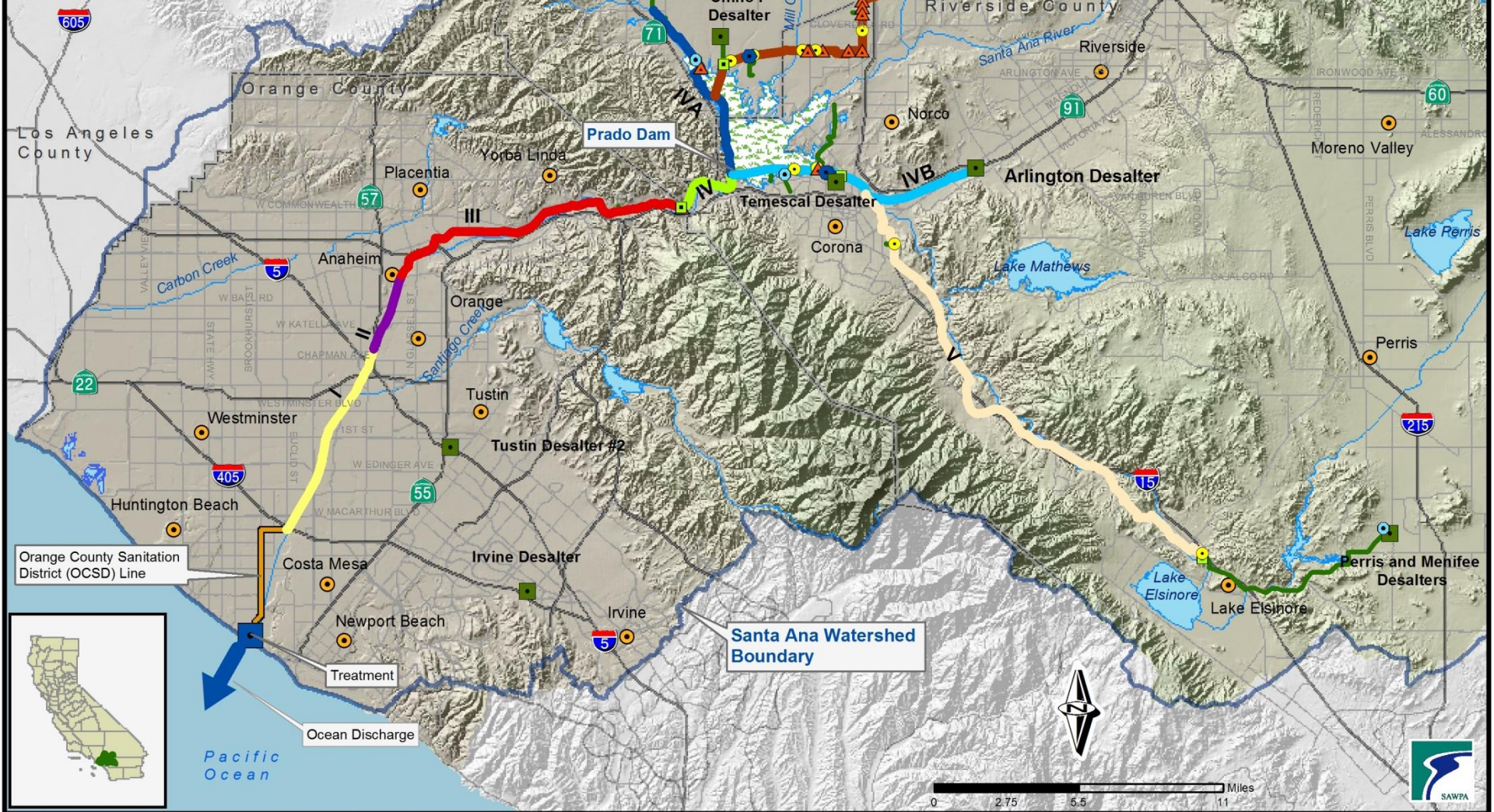
# Brine Line Reaches

**Legend:**

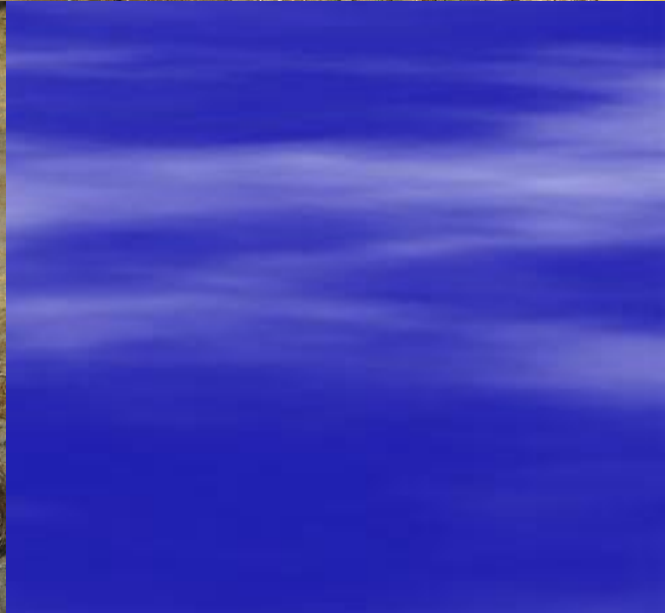
- Desalters
- Connections
- Brine
- Commercial
- Commercial/Domestic
- Domestic
- Truck Dump
- Lateral
- OCSD Line

**Brine Line (Reach)**

- I
- II
- III
- IV
- IVA
- IVB
- IVD
- IVE
- V









12/09/2014 12:31PM



05/10/2016 14:44



Reach IV Emergency  
Repairs – Storm Flow  
Erosion





Brine Line

05/03/2017 14:03



07/05/2017 08:40



Warm Springs Siphon

05/13/2017 08:40



New LED Parking Lot Lights

2017.06.27 11:09



MAS with new spray-on liner

06/07/2017 11:58



Dig Alert Marking

06/22/2016



Warehouse

06/28/2017 10:40



Access Road Maintenance

05/25/2017



Potholing Trailer

10/14/2015 14:21



Confined Space Entry  
Upstream of Prado Dam

05/26/2017 09:37



Western MWD Collection Station, Corona

Inland Empire Brine Line  
Reach V Rehabilitation and  
Improvement Project – Phase 1

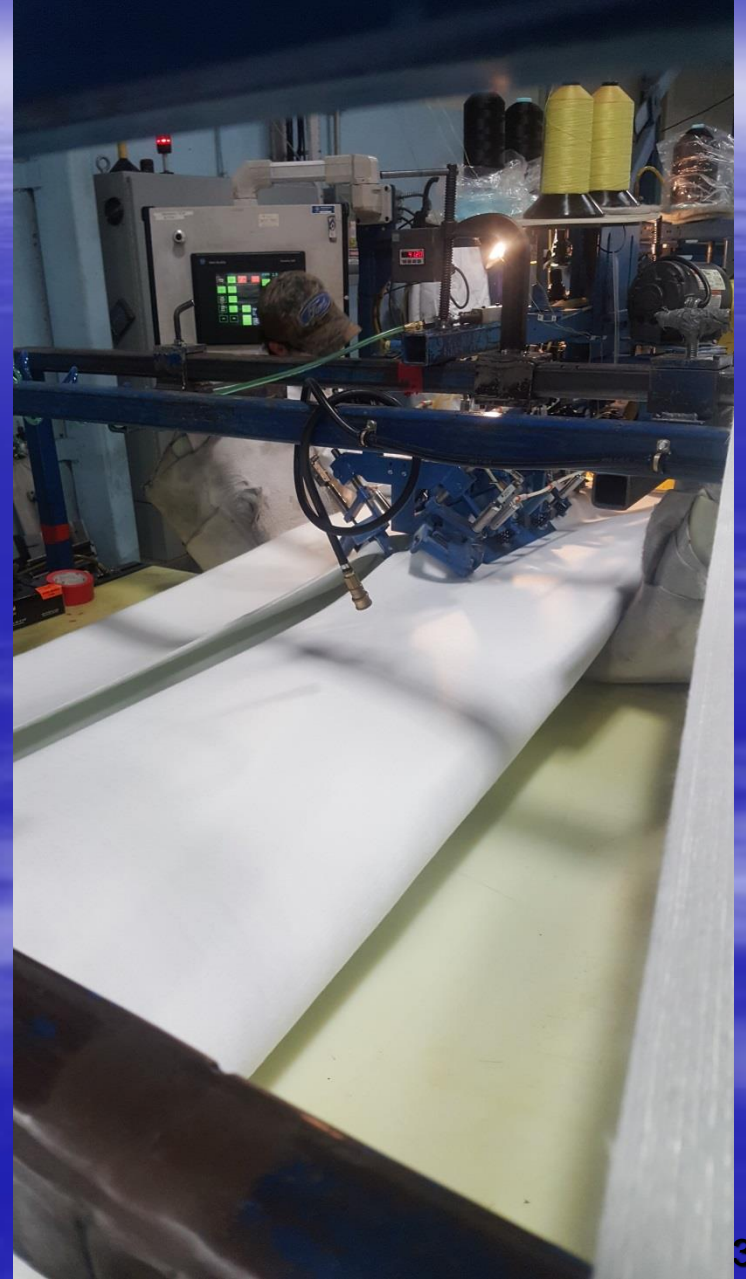
Item 5.E.

July 18, 2017

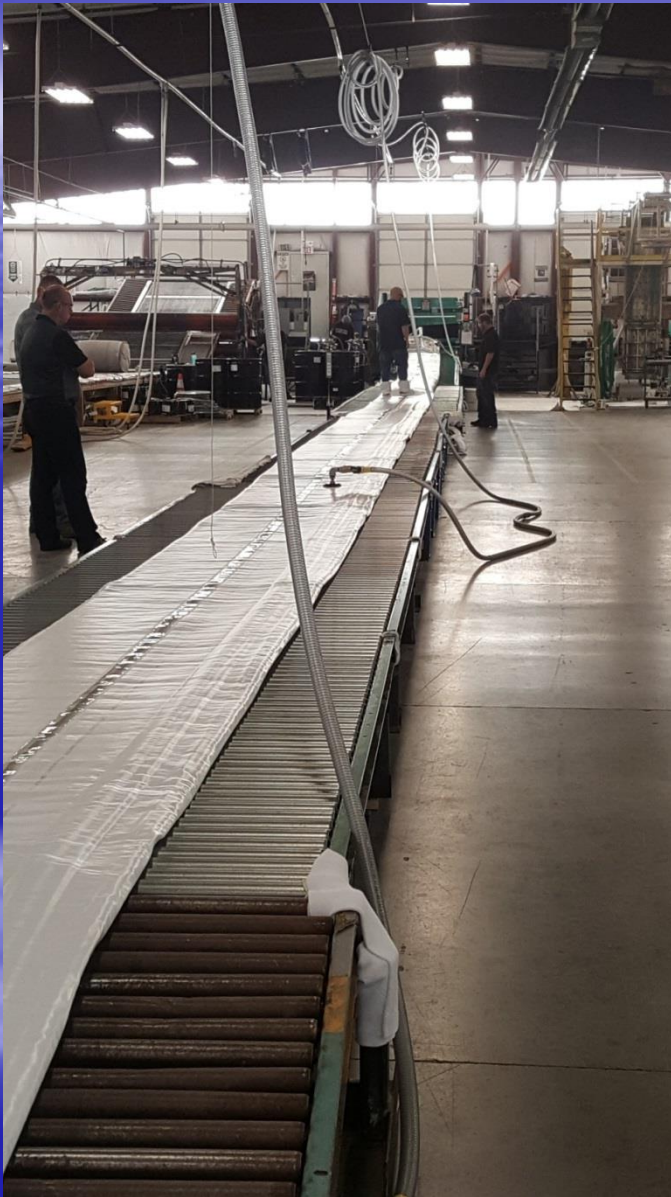


# Manufacturing Facility Batesville, MS





# Wet-out Facility Cedar City, UT



# Installation Reach V









6/6/17 10:34:15 AM PDT



6/6/17 11:40:20 AM PDT





# CIPP Liner Installation Timeline





# Ovality Results

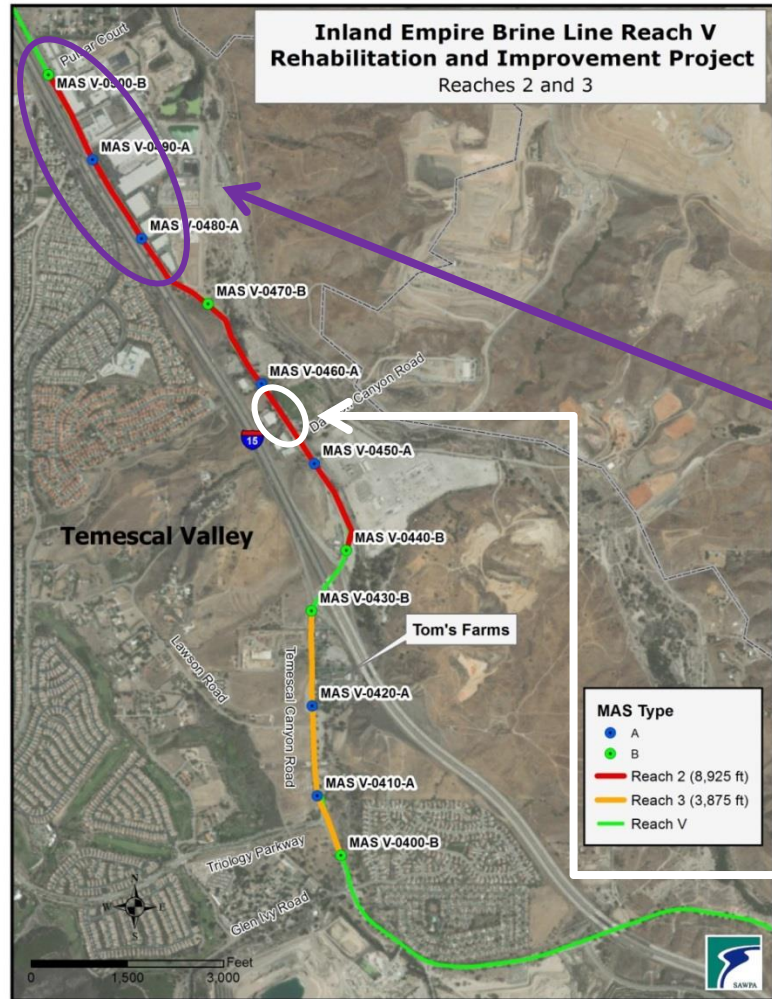
<u>Segment #</u>	<u>Length</u>	<u>Ovality Range</u>	<u>Action</u>
Reach 2			
▪ 1.	500 ft	2.5% - 9.5%	CIPP Line
▪ 2.	450 ft	2.3% - 9.4%	CIPP Line
▪ 3.	550 ft	1.3% - 11.5%	CIPP Line
▪ 4.	350 ft	1.5% - 8.0%	CIPP Line
▪ 5.	350 ft	1.4% - 3.9%	No Lining
▪ 6.	400 ft	1.3% - 9.0%	CIPP Line
▪ 7.	350 ft	1.0% - 7.5%	CIPP Line
▪ 8.	410 ft	1.5% - 10.4%	CIPP Line
▪ 9.	410 ft	1.6% - 10.0%	CIPP Line
▪ 9.1	70 ft	6.0% - 16.5%	Remove and Replace
▪ 10.	220 ft	1.6% - 7.7%	CIPP Line
▪ 11.	270 ft	0.7% - 9.0%	CIPP Line
▪ 12.	440 ft	0.7% - 9.0%	CIPP Line
▪ 13.	240 ft	1.5% - 12.0%	CIPP Line
▪ 14.	460 ft	4.0% - 18.0%	CIPP Line (Increased wall thickness at 18% Ovality, 9ft)

# Ovality Results

<u>Segment #</u>	<u>Length</u>	<u>Ovality Range</u>	<u>Action</u>
▪ 15.	405 ft	3.6% - 13.5%	CIPP Line
▪ 16.	395 ft	3.3% - 16.1%	Remove and Replace
▪ 17.	400 ft	2.9% - 11.2%	CIPP Line
▪ 18.	350 ft	3.2% - 12.4%	CIPP Line
▪ 19.	350 ft	1.4% - 12.0%	CIPP Line
▪ 20.	510 ft	1.0% - 8.0%	CIPP Line
▪ 21.	270 ft	2.2% - 8.0%	CIPP Line
▪ 22.	470 ft	0.6% - 7.0%	CIPP Line
▪ 23.	225 ft	1.2% - 7.8%	CIPP Line
Reach 3			
▪ 27.	400 ft	0.4% - 10.2%	CIPP Line
▪ 28.	350 ft	0.4% - 10.2%	CIPP Line
▪ 29.	660 ft	0.5% - 8.5%	CIPP Line

6 Segments Remaining

# Segment Summary



<u>Segment #</u>	<u>CIPP</u>	<u>Pressure Test</u>	<u>Labs</u>
Reach 2			
1.	Lined	Complete	Received
2.	Lined	Complete	Received
3.	Lined	Pending	Received
4.	Lined	Complete	Received
5.	No Lining	N/A	N/A
6.	Lined	Complete	Pending
7.	Lined	Pending	Pending
8.	7/24		
9.	7/27		
9.1	Complete Remove and Replace	70 ft	
15.	7/18		
16.	7/17 Remove and Replace	395 ft	

# TVWD Water Line Failure

## 7/10



P:\projects\id\_ruhl\Rich\ByPass\Reach2and3\ByPass.mxd SW-2663



7/10/17 2:08:26 PM PDT



7/11/17 7:59:08 AM PDT

Questions?

# Line Segment 2



Pre-lining CCTV



Post lining CCTV



# Santa Ana River Watershed Water Quality Monitoring Programs – Status Report

Rick Whetsel

SAWPA Commission

July 18, 2017



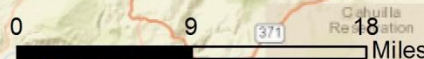
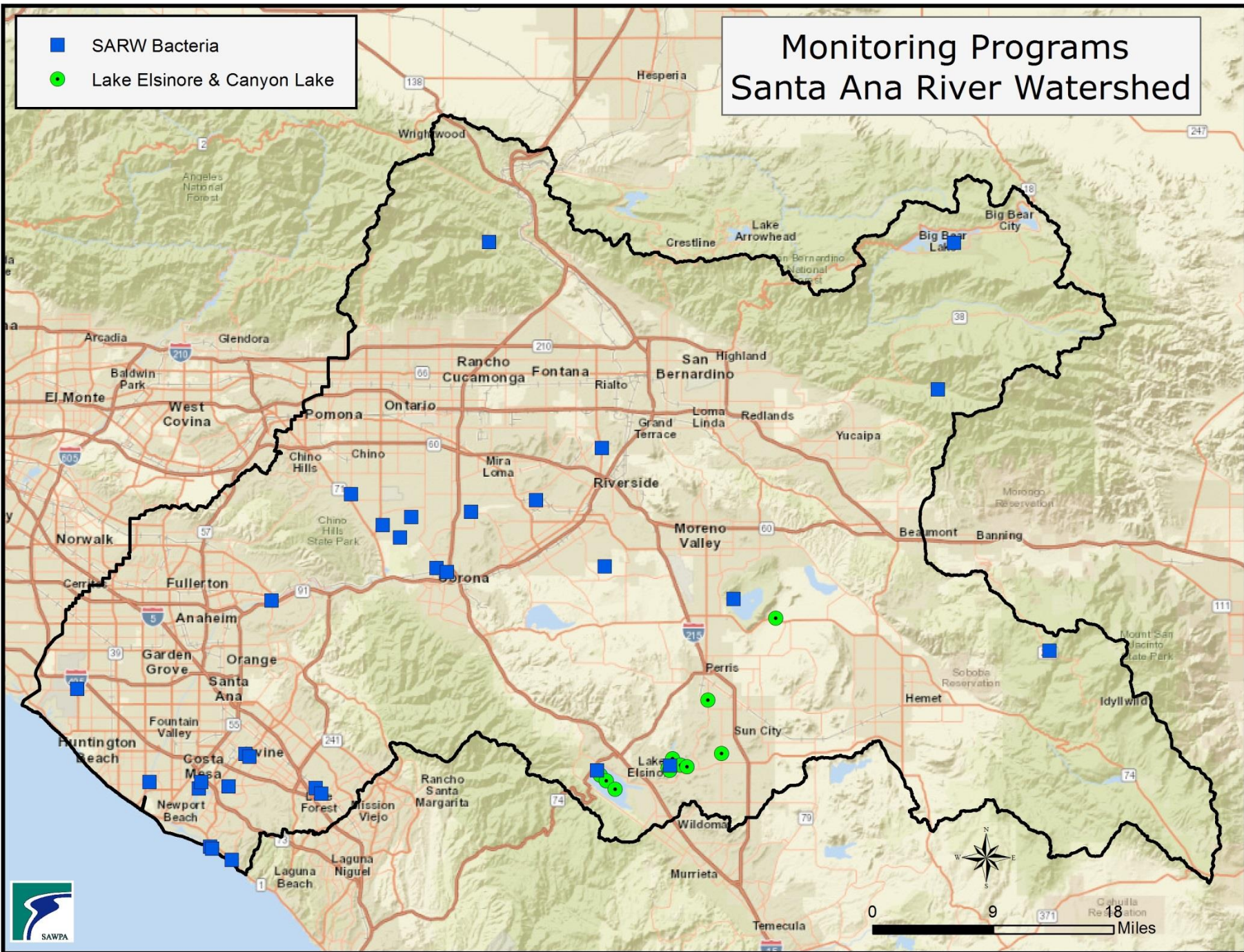
# Critical Success Factors

- SAWPA has a strong reputation as watershed-wide, knowledgeable, neutral and trusted facilitator, leader, and administrator of contracted activities.
- Goals, scope, costs, resources, timelines, and the contract term are approved by the Commission before executing an agreement to participate in a roundtable group.
- Report and use results of roundtable's work, leverage information and involvement for the benefit of SAWPA, its members, and other stakeholders.
- Adequate professional staff and resources to effectively provide facilitation, management, administrative and technical support to collaborative work efforts.



# Monitoring Programs Santa Ana River Watershed

- SARW Bacteria
- Lake Elsinore & Canyon Lake



# SAWPA's Role

- SAWPA's role in supporting stakeholders in administering these monitoring efforts includes but is not limited to the following:
  - Acting as contracting party and contract administrator for the various consultant teams conducting the monitoring
  - Reviewing quarterly and annual water quality monitoring reports
  - Oversight on data management through CEDEN
  - Reviewing annual budgets and processing invoices



# Regional Water Quality Monitoring Program

## Middle Santa Ana River Pathogen TMDL Task Force

- **January 2006** - SAWPA approved Agreement
- **May 2007** - EPA Approves MSAR TMDLs

## Stormwater Quality Standards Task Force

- **May 2003** - SAWPA approved Agreement
- **June 2012** – Regional Board adopts Basin Plan Amendment Revising Recreation Standards for Inland Freshwaters
- **April 2015** - EPA Approves Basin Plan Amendment Revising Recreation Standards for Inland Freshwaters

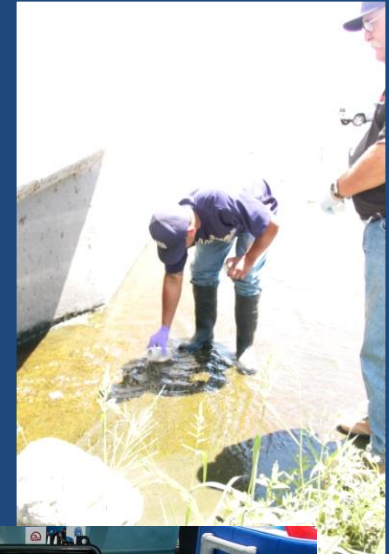
## Regional Water Quality Monitoring Program

- **March 2016** – Regional Board approves Santa Ana Watershed Bacteria Monitoring Program and Quality Assurance Project Plan



# Santa Ana River Bacteria Monitoring Program

- Regional Water Quality Monitoring Task Force implements a coordinated regional surface water quality (bacteria) monitoring program:
  - Meet the requirements of the Basin Plan Implementation Plan bacterial indicator monitoring requirements
  - Support consolidation and standardization of regional programs such as the Middle Santa Ana River Bacteria TMDL
  - Assist Regional Board with future triennial reviews and future amendments of the Basin Plan
  - Annual reporting to Regional Board (June )



# Funding Partners

## Regional Water Quality Monitoring Task Force

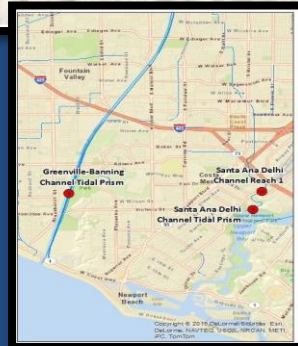
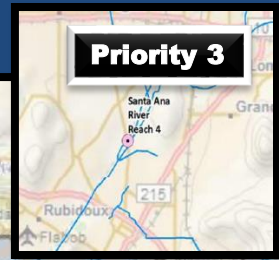
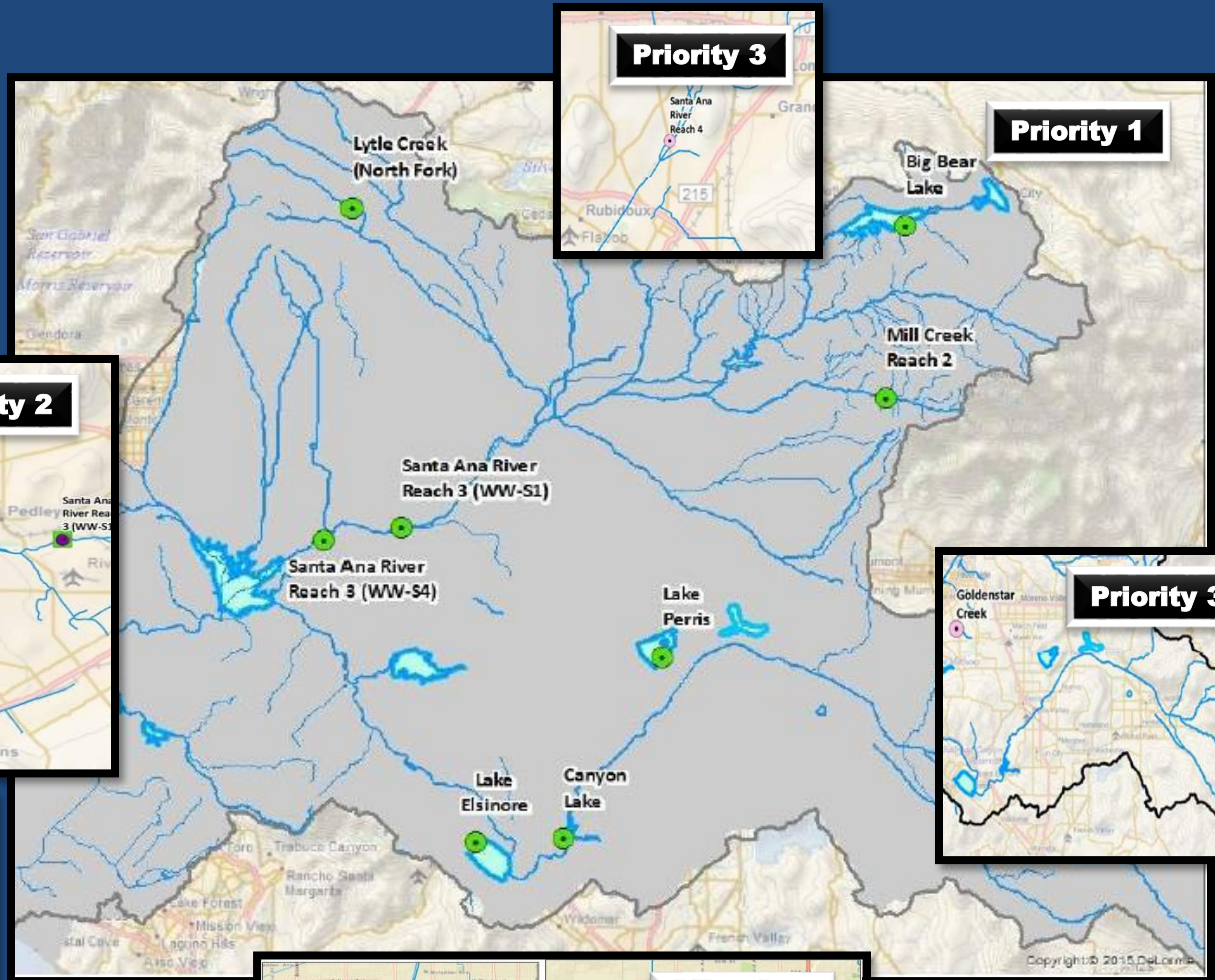
- **County of Orange**
- **Riverside County Flood Control & Water Conservation District**
- **San Bernardino County Flood Control District**

## Middle Santa Ana River Bacteria TMDL Task Force

- **San Bernardino County Flood Control District representing the Cities of**
  - **Cities of Chino, Chino Hills, Fontana, Montclair, Ontario, Rancho Cucamonga, Rialto, and Upland**
- **County of Riverside**
- **City of Claremont**
- **City of Corona**
- **City of Norco**
- **City of Pomona**
- **City of Riverside**
- **Agricultural Operators represented by Chino Basin Watermaster Agricultural Pool**



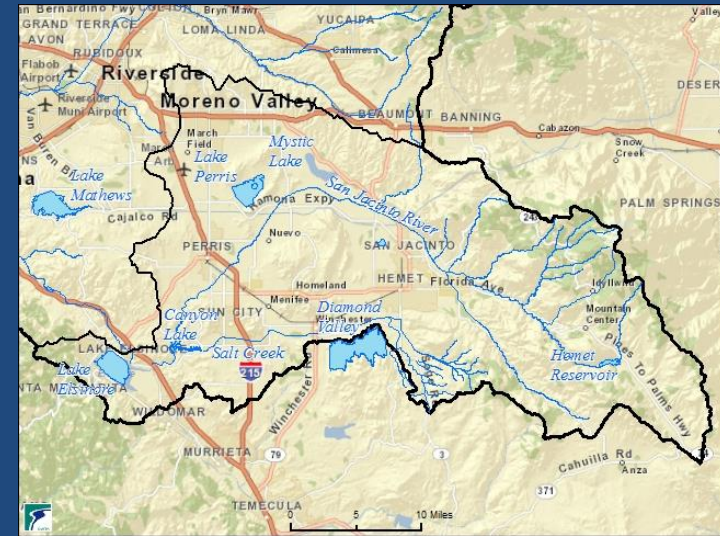
# Monitoring Areas





# Lake Elsinore & Canyon Lake Nutrient TMDL Monitoring program

- In 1994, both Lake Elsinore and Canyon lake were identified for excessive levels of nutrients
  - Lake Elsinore - organic enrichment/low dissolved oxygen (DO), sedimentation/siltation, unknown causes of toxicity
  - Canyon Lake - high bacterial indicators
- In 2000, the RWQCB initiated the development of nutrient TMDLs
- In 2006, the TMDLs were adopted and stakeholders were required to prepare and implement a Nutrient Monitoring Program



# Funding Partners

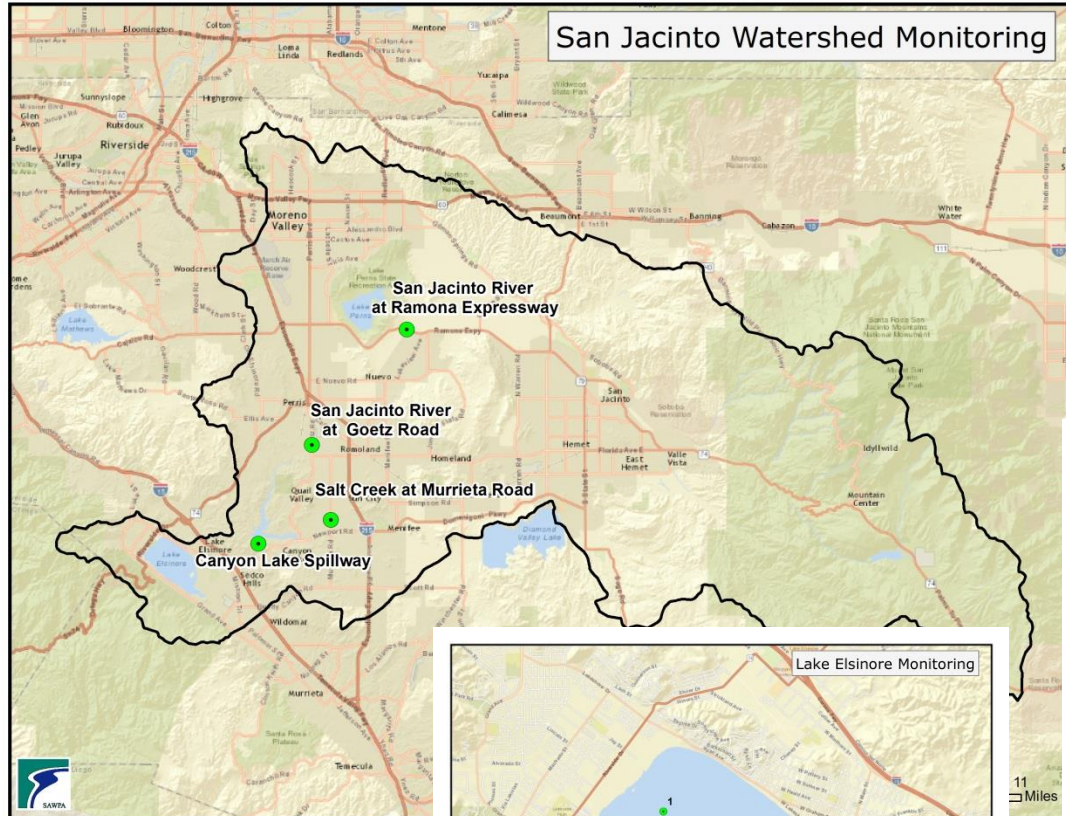
## Lake Elsinore & Canyon Lake Nutrient TMDL Task Force

- **County of Riverside**
- **City of Beaumont**
- **City of Canyon Lake**
- **City of Hemet**
- **City of Lake Elsinore**
- **City of Moreno Valley**
- **City of Murrieta**
- **City of Perris**
- **City of Riverside**
- **City of San Jacinto**
- **City of Menifee**
- **City of Wildomar**
- **Elsinore Valley Municipal Water District**
- **Western Riverside County Agricultural Coalition acting on behalf of the Agricultural Operators and Dairy Operators in the San Jacinto River Basin**
- **California Department of Transportation (CalTrans)**
- **California Department of Fish and Game**
- **Eastern Municipal Water District**
- **March Air Reserve Base Joint Powers Authority**
- **U.S. Air Force.**

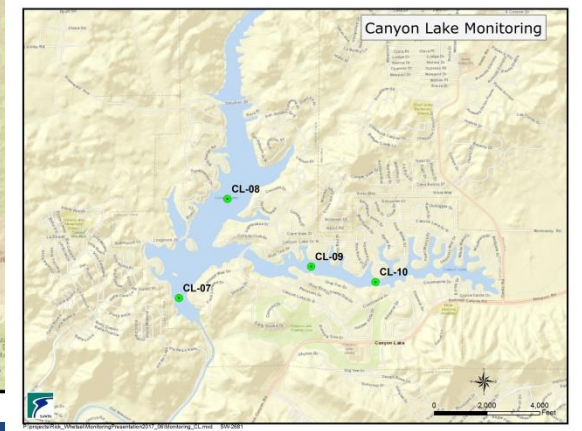
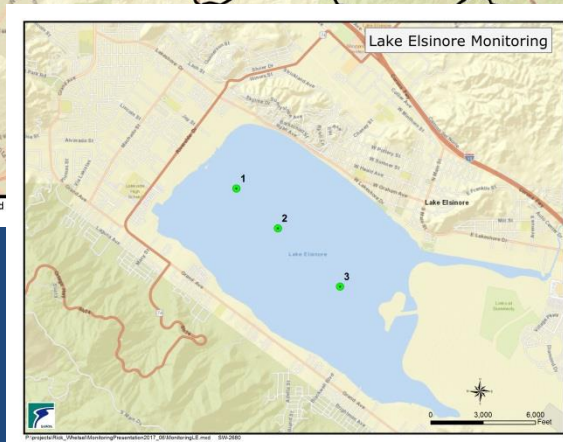
**Administered by LESJWA/SAWPA**



# Lake Elsinore & Canyon Lake TMDL Monitoring Locations



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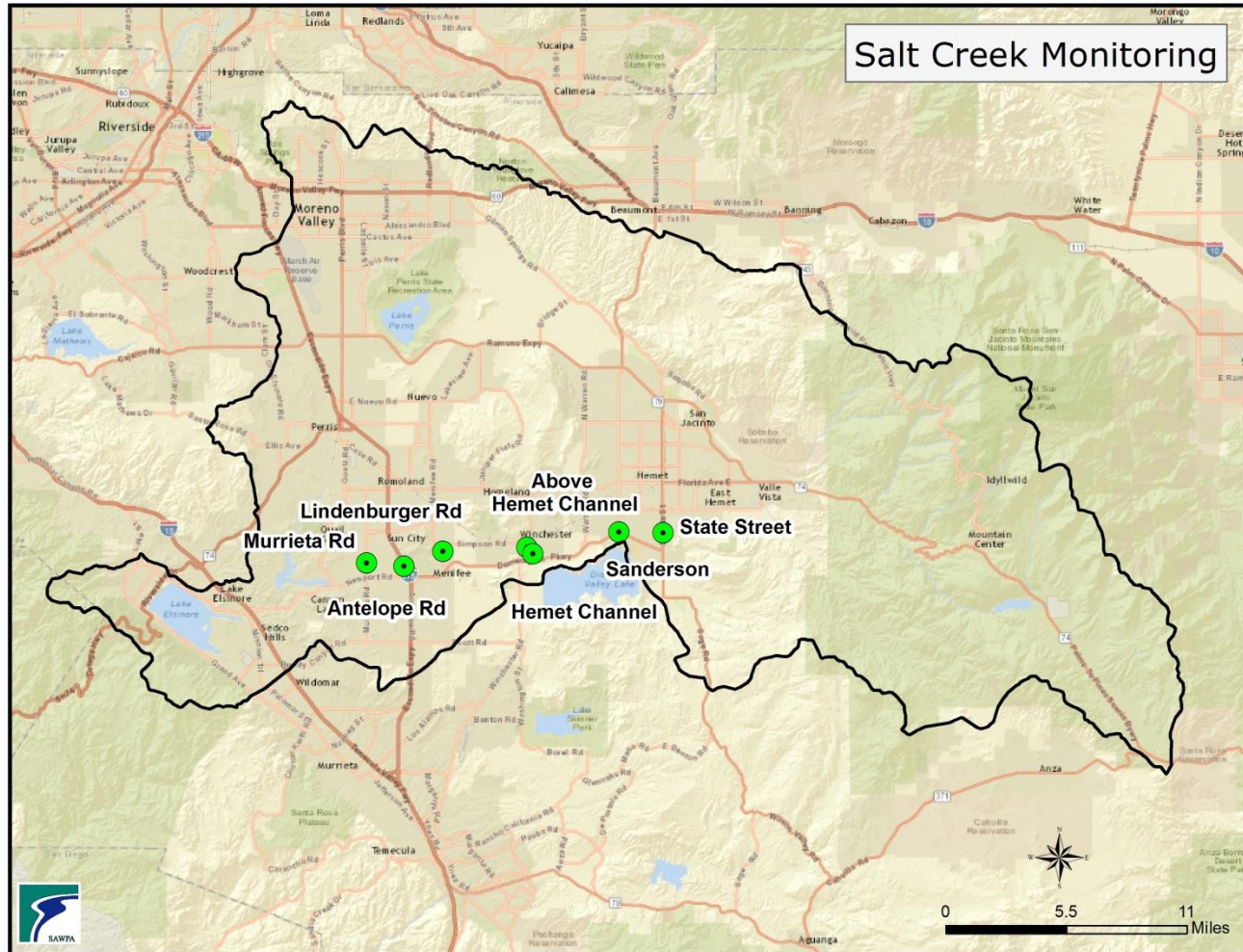


# Salt Creek Nutrient Source Assessment (Not administered by SAWPA or LESJWA)

- Purpose:
  - Obtain additional water quality data to address uncertainty in modeling conducted by Western Riverside County Agriculture Coalition (WRCAC) to support the Agricultural Nutrient Management Plan (AgNMP).
- Conducted during 2014-15 wet season
- Collected water quality data at seven monitoring sites along Salt Creek
- Funded by WRCAC



# Salt Creek Nutrient Source Assessment: Monitoring Locations



# Questions?





# Proposition 84 Projects Status Update



July 18, 2017 Commission Meeting



Nicole D. Weideman, PE  
Quality Assurance Manager

# Proposition 84 Project Status



Round	No. of Proponents	Projects Complete	Grant Amount	Total Cost
Round 1	13	8	\$12M	\$260M
Round 2	18	0	\$14.5M	\$150M
Drought Round	9	0	\$12M	\$23M
2015 Round	7	0	\$61M	\$237M



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

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

# Round 1 Projects

(August 2011 – December 2017)

# Proposition 84 Round 1

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Construct. Complete	% Project Complete
Grant Agreement Administration	SAWPA	\$ 660,004	\$ 0 0.00%	\$ 0	\$ 660,004	54%	N/A	54%
GWRS Flow Equalization	OCWD	\$ 1,000,000	\$ 1,180,760 7.67%	\$ 13,218,920 <sup>1</sup>	\$ 15,399,680	100%	100%	100%
Sludge, Dewatering, Odor Control & Primary Sludge Thickening	OCS D	\$ 1,000,000	\$ 36,638,218 26.00%	\$ 103,278,005	\$ 140,916,223	100%	94%	93.8%
Santa Ana Watershed Vireo Monitoring	SAWA	\$ 600,000	\$ 225,994 26.00%	\$ 43,213	\$ 869,207	100%	100%	100%
Mill Creek Wetlands	Ontario	\$ 1,000,000	\$ 1,615,000 8.85%	\$ 15,635,000	\$ 18,250,000 <sup>2</sup>	100%	100%	100%

<sup>1</sup> \$ 13,218,920 in Other State Funds

<sup>2</sup> \$ 15,420,000 in Other State Funds

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced, but will finish prior to Grant completion date.

Yellow – Project delay experienced, not on schedule per the Agreement, unsure if project will complete on time.

Orange/Red – Project behind schedule, unsure if project will complete on time, or not enough information known at this time to determine.

# Proposition 84 Round 1 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Cactus Basin	SBCFCD	\$ 1,000,000	\$ 4,427,155 29.96%	\$ 9,350,026	\$ 14,777,181	100%	77%	77%
Inland Empire Brine Line Rehabilitation / Enhancement	SAWPA	\$ 1,000,000	\$ 698,153 10.07%	\$ 5,234,576 <sup>3</sup>	\$ 6,932,729	100%	100%	100%
Arlington Desalter Interconnection Project	Corona	\$ 400,000	\$ 350,493 26.00%	\$ 597,556	\$ 1,348,049	100%	100%	100%
Perris II Desalination Facility	EMWD	\$ 1,000,000	\$ 607,296 26.00%	\$ 728,456	\$ 2,335,752	100%	100%	100%
Perchlorate Wellhead Treatment System Pipelines	WVWD	\$ 1,000,000	\$ 368,940 26.00%	\$ 50,060	\$ 1,419,000	100%	100%	100%

<sup>3</sup> \$ 5,234,576 in Other State Funds

<sup>4</sup> \$ 9,956,000 in Other State Funds

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# Proposition 84 Round 1 Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Chino Creek Wellfield Development Project	WMWD	\$ 1,000,000	\$ 1,646,091 26.00%	\$ 3,685,027	\$ 6,331,118	100%	98%	98%
Impaired Groundwater Recovery	IRWD	\$ 1,000,000	\$ 20,148,848 53.99%	\$ 16,173,122	\$ 37,321,970	100%	100%	100%
Alamitos Barrier Improvement Project	OCWD	\$ 1,000,000	\$ 650,600 5.61%	\$ 9,956,000 <sup>4</sup>	\$ 11,606,600	100%	63%	63%
Arlington Basin Water Quality Improv Project	WMWD	\$ 1,000,000	\$ 900,000 33.21%	\$ 809,670	\$ 2,709,670	16.6%	0%	55%
<b>Total</b>		<b>\$ 12,660,004</b>	<b>\$ 69,457,548 26.62%</b>	<b>\$ 179,419,635</b>	<b>\$ 261,537,187</b>	<b>91%</b>		<b>89%</b>

<sup>3</sup> \$ 5,234,576 in Other State Funds

<sup>4</sup> \$ 9,956,000 in Other State Funds

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# Round 2 Projects

(February 2014 – June 2020)

# Proposition 84 Round 2

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Grant Agreement Administration	SAWPA	\$ 625,310	\$ 0 0.00%	\$ 0	\$ 625,310	45%	N/A	45%
Perris Desalination Program Well 94	EMWD	\$ 1,000,000	\$ 0 0.00%	\$ 9,238,280	\$ 10,238,280	0%	0%	50%
Quail Valley Subarea 9 Phase I Sewer System	EMWD	\$ 1,930,000	\$ 2,960,000 37.00%	\$ 3,110,000	\$ 8,000,000	25%	0%	21%
Forest First	USFS	\$ 1,000,000	\$ 2,055,039 37.00%	\$ 2,499,121	\$ 5,554,160	0%	50%	49%
Wineville Regional Recycled Wtr Pipeline/GW Recharge System Upgrades	IEUA	\$ 1,000,000	\$ 0 0.00%	\$ 29,500,000 <sup>1</sup>	\$ 30,500,000	100%	100%	97%

<sup>1</sup> \$29,500,000 in Other State Funds

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# Proposition 84 Round 2

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Plunge Creek Water Recharge and Habitat Improvement	SBVWCD	\$ 500,000	\$ 184,731 26.00%	\$ 25,769	\$ 710,500	27%	0%	42%
Prado Basin Sediment Mgmt Demonstration Project	OCWD	\$ 750,000	\$ 2,910,050 37.00%	\$ 4,204,950	\$ 7,865,000	0%	0%	20%
San Sevaine GW Recharge Basin	IEUA	\$ 750,000	\$ 925,001 32.34%	\$ 1,184,999	\$ 2,860,000	48%	0%	70%
Corona/Home Gardens Multi-Jurisdictional Wtr Transmission Line	Corona	\$ 1,300,000	\$ 2,327,494 37.00%	\$ 2,663,031	\$ 6,290,525	1%	0%	50%
Enhanced SW Capture/Recharge Along the SAR	SBVMWD	\$ 1,000,000	\$ 11,581,000 37.00%	\$ 18,719,000	\$ 31,300,000	0%	0%	28%

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# Proposition 84 Round 2

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Regional Residential Landscape Retrofit	IEUA	\$ 500,000	\$ 370,000 37.00%	\$ 130,000	\$ 1,000,000	77%	N/A	95%
Canyon Lake Hybrid Treatment Process	LESJWA	\$ 500,000	\$ 327,635 37.00%	\$ 57,865	\$ 885,500	100%	100%	99%
Customer Handbook to Using Water Efficiently	WMWD	\$ 120,000	\$ 42,000 25.93%	\$ 0	\$ 162,000	12%	N/A*	85%
Lower Day Basin	IEUA	\$ 750,000	\$ 917,599 37.00%	\$ 812,401	\$ 2,480,000	0%	0%	25%
CII Performance Based WUE Program	MWDOC	\$ 500,000	\$ 898,179 37.00%	\$ 1,029,333	\$ 2,427,512	100%	N/A*	49%

\*Project does not include construction, but rather implementation of a plan.

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced, but will finish prior to Grant completion date.

Yellow – Project delay experienced, not on schedule per the Agreement, unsure if project will complete on time.

Orange/Red – Project behind schedule, unsure if project will complete on time, or not enough information known at this time to determine.

# Proposition 84 Round 2

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Peters Canyon Channel Water Capture and Reuse Pipeline	Irvine	\$ 1,000,000	\$ 3,211,086 37.00%	\$ 4,467,523	\$ 8,678,609	100%	100%	91%
Soboba Band of Luiseno Indians Wastewater Project	Soboba	\$ 150,000	\$ 53,000 26.11%	\$ 0	\$ 203,000	0%	N/A*	98%
Recycled Water Project Phase I	Riverside	\$ 1,000,000	\$ 8,030,000 37.00%	\$ 12,670,000	\$ 21,700,000	0%	0%	15%
Wilson III Basins Project and Wilson Basins/ Spreading Grounds	Yucaipa	\$ 750,000	\$ 4,825,807 37.00%	\$ 7,466,914	\$ 13,042,721	0%	0%	39%
<b>Total</b>		<b>\$ 15,125,310</b>	<b>\$ 40,151,571 26.67%</b>	<b>\$ 95,279,236</b>	<b>\$ 151,178,427</b>	<b>31%</b>		<b>56%</b>

\*Project does not include construction, but rather implementation of a plan.

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced, but will finish prior to Grant completion date.

Yellow – Project delay experienced, not on schedule per the Agreement, unsure if project will complete on time.

Orange/Red – Project behind schedule, unsure if project will complete on time, or not enough information known at this time to determine.

# Drought Round Projects

(January 2014 – June 2018)

# Proposition 84 Drought Round

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Project Complete
Grant Agreement Administration	SAWPA	\$ 625,000	\$ 0 0.00%	\$ 0	\$ 625,000	47%	52%
Project Agreement 22 Committee Admin	SAWPA	\$ 300,000	\$ 0 0.00%	\$ 0	\$ 300,000	65%	71%
Conserv. Based Report Tools/Rate Structure	SAWPA	\$ 6,662,610	\$ 0 0.00%	\$ 0	\$ 6,662,610	40%	42%
High Visibility Turf Removal & Retrofit SARW	EMWD	\$ 906,800	\$ 1,212,770	\$ 600,830	\$ 2,720,400	3%	100%
	IEUA	\$ 807,564	\$ 1,080,050	\$ 535,077	\$ 2,422,691	100%	100%
	OCWD	\$ 880,894	\$ 1,178,123	\$ 583,666	\$ 2,642,683	1%	82%
	SBVMWD	\$ 828,499	\$ 1,108,049	\$ 548,949	\$ 2,485,497	0%	35%
	WMWD	\$ 851,243	\$ 1,138,467	\$ 564,019	\$ 2,553,729	60%	94%
High Visibility Turf Removal & Retrofit USMW	EMWD	\$ 420,000	\$ 561,715	\$ 278,285	\$ 1,260,000	0%	28%
	WMWD	\$ 52,500	\$ 70,214	\$ 34,786	\$ 157,500	0%	0%
	RCWD	\$ 525,000	\$ 702,145	\$ 447,855	\$ 1,675,000	100%	100%
<b>Total</b>		<b>\$ 12,860,110</b>	<b>\$ 7,051,533</b> 31.23%	<b>\$ 3,593,467</b>	<b>\$ 23,505,110</b>	<b>36%</b>	<b>68%</b>

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced, but will finish prior to Grant completion date.

Yellow – Project delay experienced, not on schedule per the Agreement, unsure if project will complete on time.

Orange/Red – Project behind schedule, unsure if project will complete on time, or not enough information known at this time to determine.

# 2015 Round Projects

(January 2014 – December 2021)

# Proposition 84 2015 Round

## Project Status Update

Project Name	Agency	Grant Amount	Required Funding Match	Add'l Cost Share	Total Project Cost	% Grant Billed	% Constr. Complete	% Project Complete
Grant Agreement Admin.	SAWPA	\$ 3,213,384	\$ 0 0.00%	\$ 0	\$ 3,213,384	10%	N/A	4%
Newhope – Placentia Trunk Sewer Replacement Project	OCS D	\$ 1,000,000	\$ 30,000,000 28.60%	\$ 73,890,000	\$ 104,890,000	100%	17%	33%
Integrated Watershed Protection Program	RCFCWCD	\$ 5,054,302	\$ 9,060,000 29.71%	\$ 16,379,698	\$ 30,494,000	1%	0%	18%
SARCCUP	Member Agencies	\$ 55,000,000	\$ 30,500,000 30.12%	\$ 15,772,899	\$ 101,272,899	4.5%	0%	2%
<b>Total</b>		<b>\$ 64,267,686</b>	<b>\$ 69,560,000 29.00%</b>	<b>\$ 106,042,597</b>	<b>\$ 239,870,283</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>

Green – Project on schedule or ahead of schedule

Yellow/Green – Delay experienced, but will finish prior to Grant completion date.

Yellow – Project delay experienced, not on schedule per the Agreement, unsure if project will complete on time.

Orange/Red – Project behind schedule, unsure if project will complete on time, or not enough information known at this time to determine.

# A Closer Look

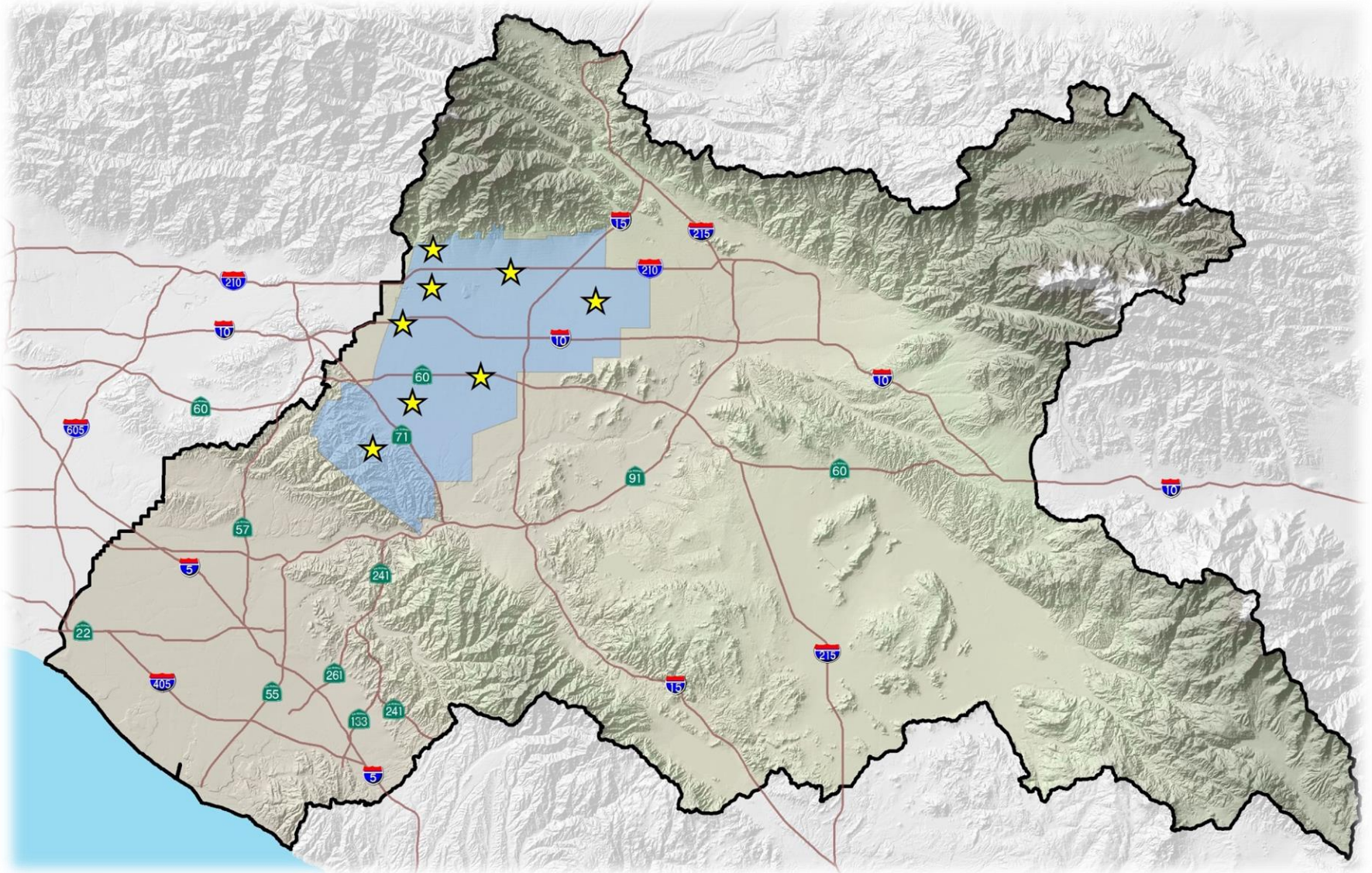
## Round 2

- Regional Residential Landscape Retrofit Program  
(IEUA)

## Round 4

- Newhope-Placentia Trunk Sewer Replacement  
Project (OCSD)

# Regional Residential Landscape Retrofit Program (IEUA)





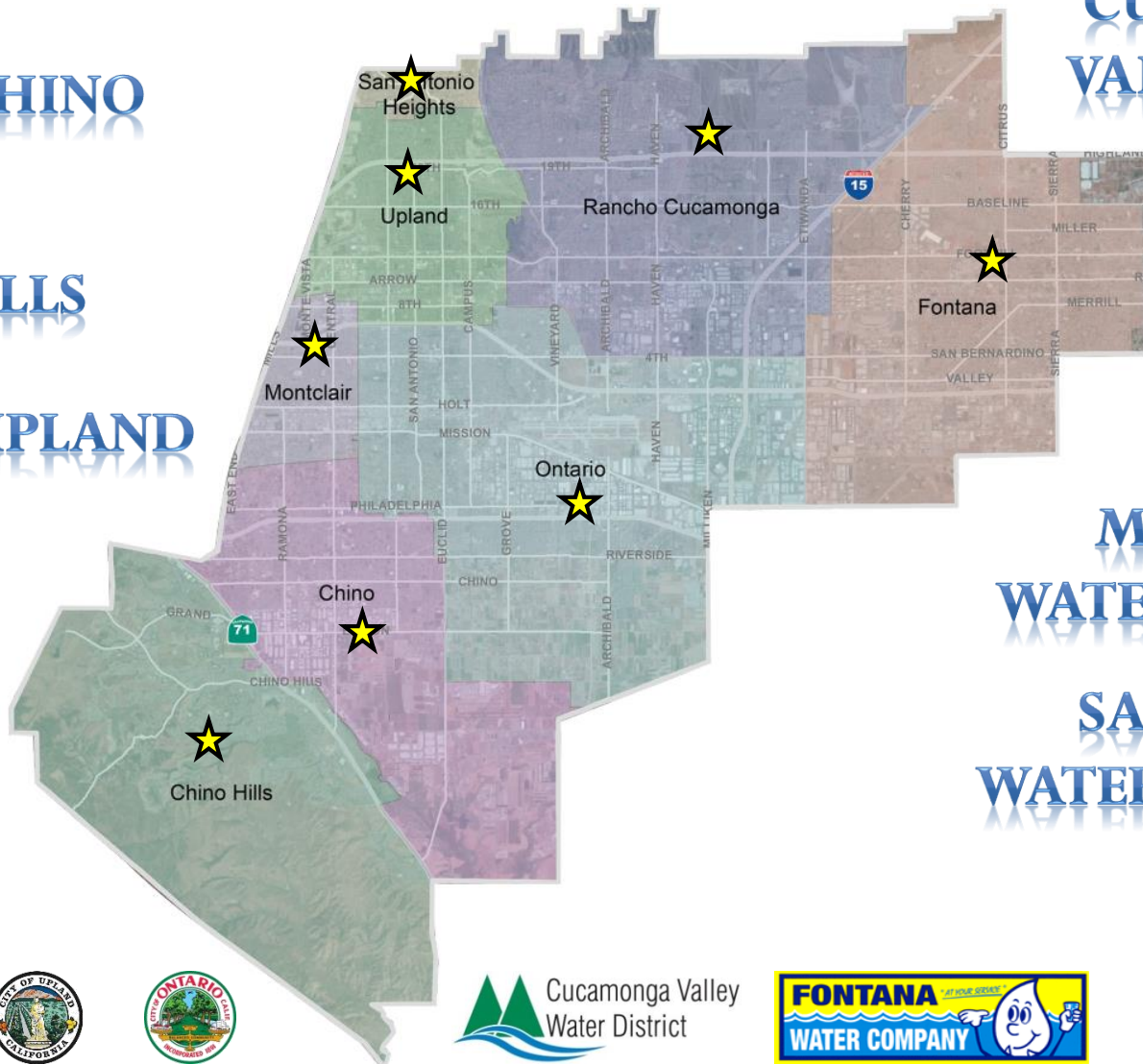
# Regional Residential Landscape Retrofit Program (IEUA)

**CITY OF CHINO**

**CITY OF  
CHINO HILLS**

**CITY OF UPLAND**

**CITY OF  
ONTARIO**



**CUCAMONGA  
VALLEY WATER  
DISTRICT**

**FONTANA  
WATER  
COMPANY**

**MONTE VISTA  
WATER DISTRICT**

**SAN ANTONIO  
WATER COMPANY**



# Regional Residential Landscape Retrofit Program (IEUA)

Facebook page for Inland Empire Utilities Agency (@IEUAWater).

**Header:** Inland Empire Utilities Agency | Home | Search | Profile | Messages | Settings

**Profile:** Inland Empire Utilities Agency ✓ @IEUAWater

**Navigation:** Home, About, Posts, Events, Videos, Photos, Reviews, Community

**Buttons:** Like, Follow, Recommend, Send Message

**Featured For You:**

- Map:** 6075 Kimball Ave, 8:00AM - 5:00PM, Directions
- Photo:** 398 people follow this

**Water Utility Company in Chino, California:** 4.4 stars, Open Now

**Community:** See All

- Invite your friends to like this Page
- 420 people like this
- 398 people follow this
- 232 people have visited

**About:** See All

**Footer:** Create a Page



Like



Follow



Recommend



...

Send Message



Status



Write something on this Page...

# Inland Empire Utilities Agency

@IEUAWater

Home

About

Posts

Events

Videos

Photos

Reviews

Community

Create a Page



**Inland Empire Utilities Agency**

June 20 at 12:30pm · 🌐

Summer is officially here! #UseWaterWisely #KickWaterWaste



**Inland Empire Utilities Agency**

June 15 at 10:00am · 🌐

Registration is now open! Attendees are eligible for a free drip retrofit kit. Advanced registration is required at [www.ieua.org/workshops](http://www.ieua.org/workshops).

# Drip Kit Workshop

Saturday, July 15 | 9-11am  
Chino Basin Water Conservation Campus



# Regional Residential Landscape Retrofit Program (IEUA)

WATER SMART - THINKING IN TERMS OF TOMORROW

CONTACT US



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

Search...



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Water Sources

Fees & Rates

Use Water Wisely

News

Education

# Rebates



Rebates

Click image for available rebates

# Regional Residential Landscape Retrofit Program (IEUA)

The screenshot shows the Inland Empire Utilities Agency (IEUA) website. The header includes the agency logo, the tagline "WATER SMART - THINKING IN TERMS OF TOMORROW", a "CONTACT US" button, and social media icons for Facebook, Twitter, LinkedIn, and YouTube. A search bar is located in the top right. The navigation menu includes "Home", "About Us", "Governance", "Facilities", "Water Sources", "Fees & Rates", "Use Water Wisely", "News", and "Education". The "Use Water Wisely" menu is expanded to show "Rebates".

**REBATES**

*Don't forget to check out our [Water Use Efficiency Programs](#).*

*For rebate questions please call the rebate hotline at (909) 993-1952.*

**RESIDENTIAL REBATES** **COMMERCIAL REBATES**

**[CLICK HERE FOR INFORMATION ON WATER SOFTENER REBATES](#)**

For additional information regarding any of the residential or commercial rebates, or to inquire about any water management program, IEUA encourages residents to call their local water agency or go directly to their website using the links below.

City of Chino: [Website](#) | [Conservation Ordinance](#)

City of Chino Hills: [Website](#) | [Conservation Ordinance](#)

**IEUA Newsletter**

Get the latest news and updates right in

# Regional Residential Landscape Retrofit Program (IEUA)

	Residential Sites	Irrigation Controls	Sprinkler Nozzles
October 1, 2012	0	0	0
July 31, 2014	359	575	13,103
<b>Phase 1 Total</b>	<b>359</b>	<b>575</b>	<b>13,103</b>

- Landscape irrigation evaluation
- Irrigation controller upgrade
  - weather-based system
- Retrofit of inefficient sprinklers
  - High efficiency nozzles
- Follow-up visit and evaluation

# Regional Residential Landscape Retrofit Program (IEUA)

	Residential Sites	Irrigation Controls	Sprinkler Nozzles
August 1, 2014	0	0	0
October 31, 2014	72	109	1299
January 31, 2015	75	112	2287
April 30, 2015	46	72	698
July 31, 2015	78	119	744
October 31, 2015	113	155	2492
January 31, 2016	183	294	3847
April 30, 2016	104	224	2326
July 31, 2016	49	73	542
October 31, 2016	62	88	488
January 31, 2017	35	54	598
April 30, 2017	32	47	652
<b>Phase 2 to Date</b>	<b>849</b>	<b>1,347</b>	<b>15,973</b>

# Regional Residential Landscape Retrofit Program (IEUA)

	Residential Sites	Irrigation Controls	Sprinkler Nozzles
Phase 1	359	575	13,103
Phase 2 (to Date)	849	1347	15,973
<b>Project Subtotal</b>	<b>1,208</b>	<b>1,922</b>	<b>29,076</b>

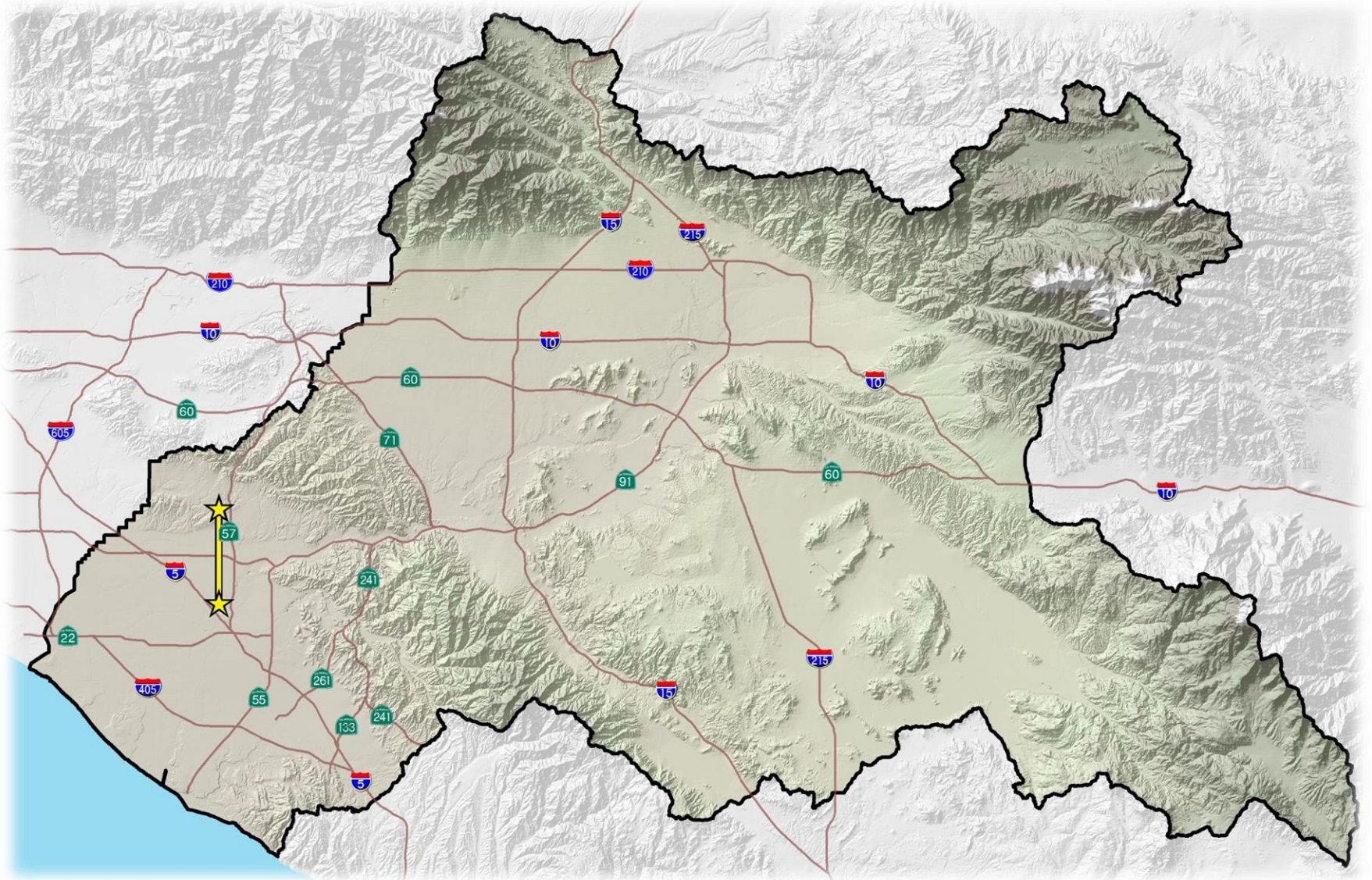
- Landscape irrigation evaluation
- Irrigation controller upgrade
  - weather-based system
- Retrofit of inefficient sprinklers
  - High efficiency nozzles
- Follow-up visit and evaluation



# Regional Residential Landscape Retrofit Program (IEUA)

- Description: Evaluate and retrofit approximately 600 single family residential (SFR) landscapes with high efficiency devices including but not limited to weather based irrigation controllers and high efficiency sprinkler nozzles.
- Overall Percent Complete : Phase 1 – 100%  
Phase 2 – 90%
- Estimated Completion: September 2017
- Benefits: Estimated 1,000 AF of annual savings over 10 years for a total anticipated savings of 10,000 AF

# Newhope-Placentia Sewer Trunk Replacement Project (OCSD)



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD)

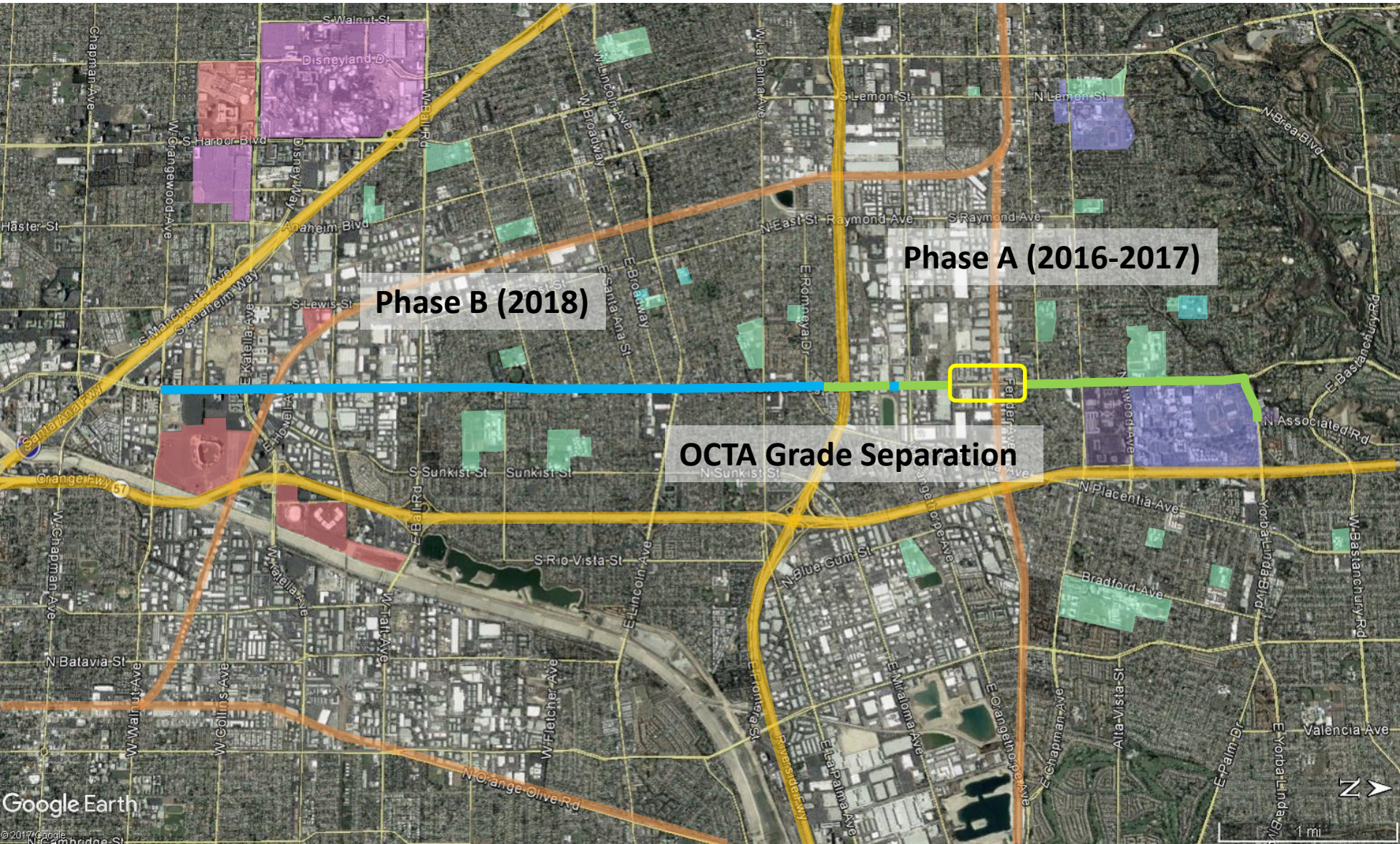


**Phase B (2018)**

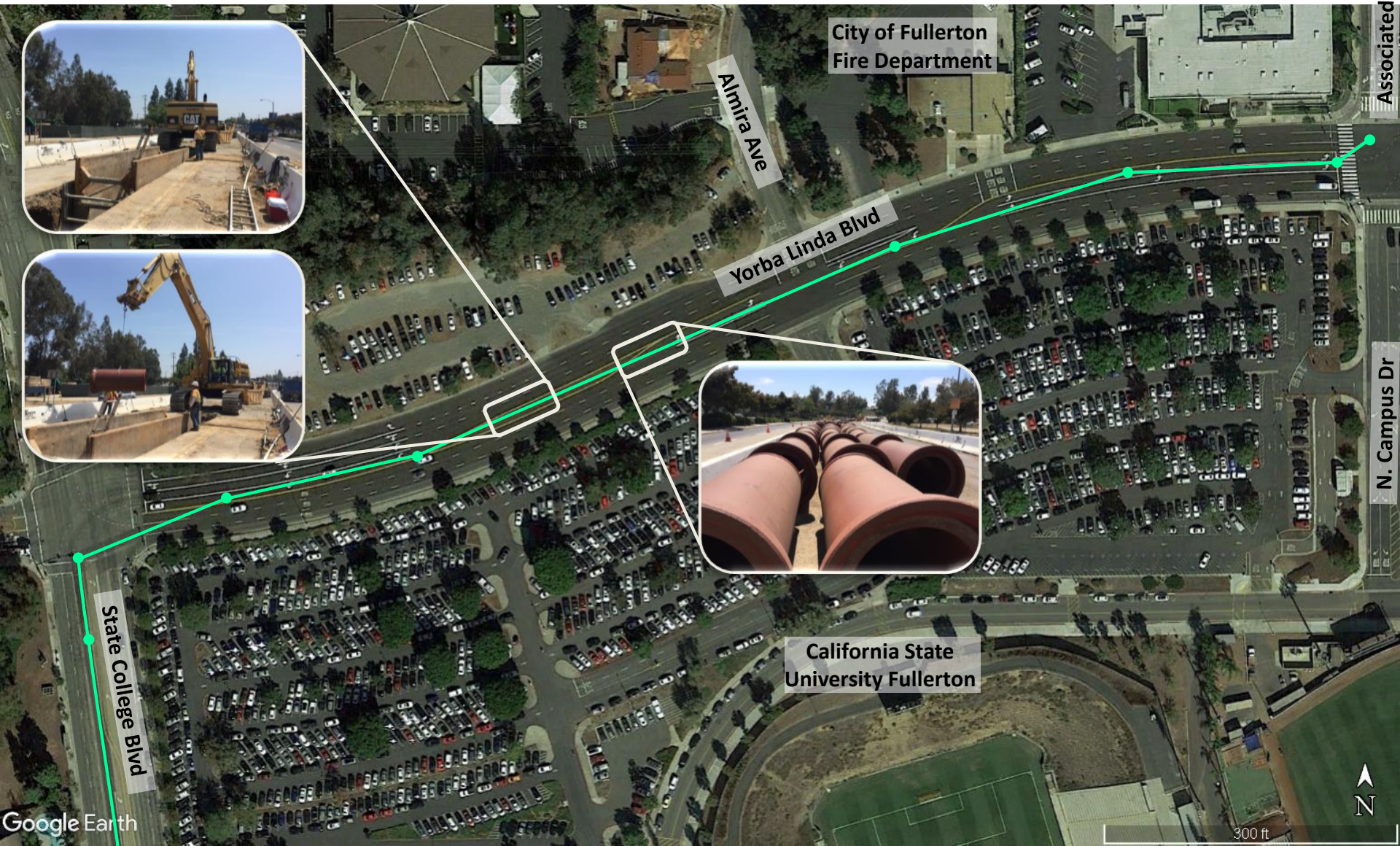
**Phase A (2016-2017)**

**OCTA Grade Separation**

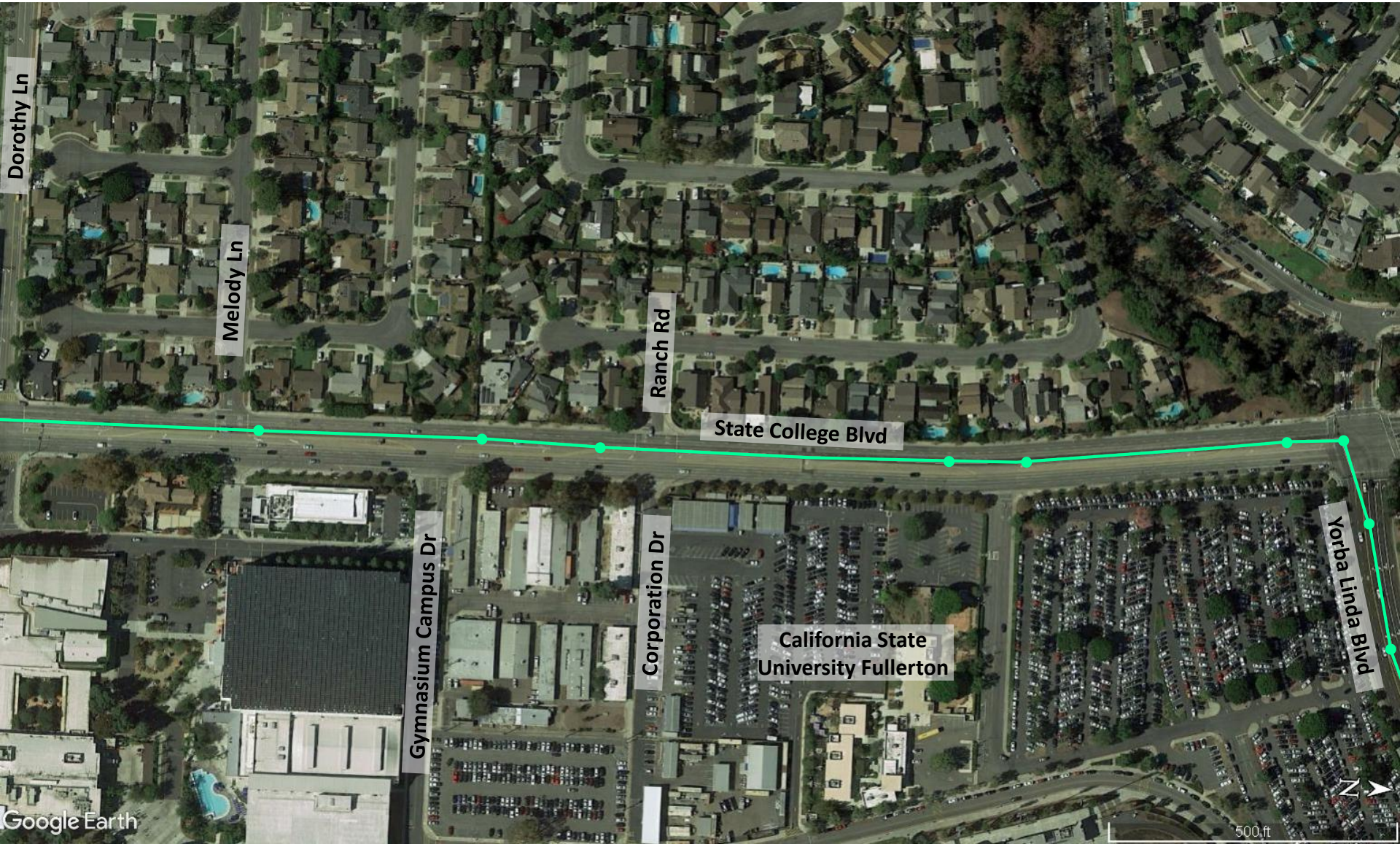
# Newhope-Placentia Sewer Trunk Replacement Project (OCSD)



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



E. Santa Fe Ave

E. Commonwealth Ave

Revere Ave

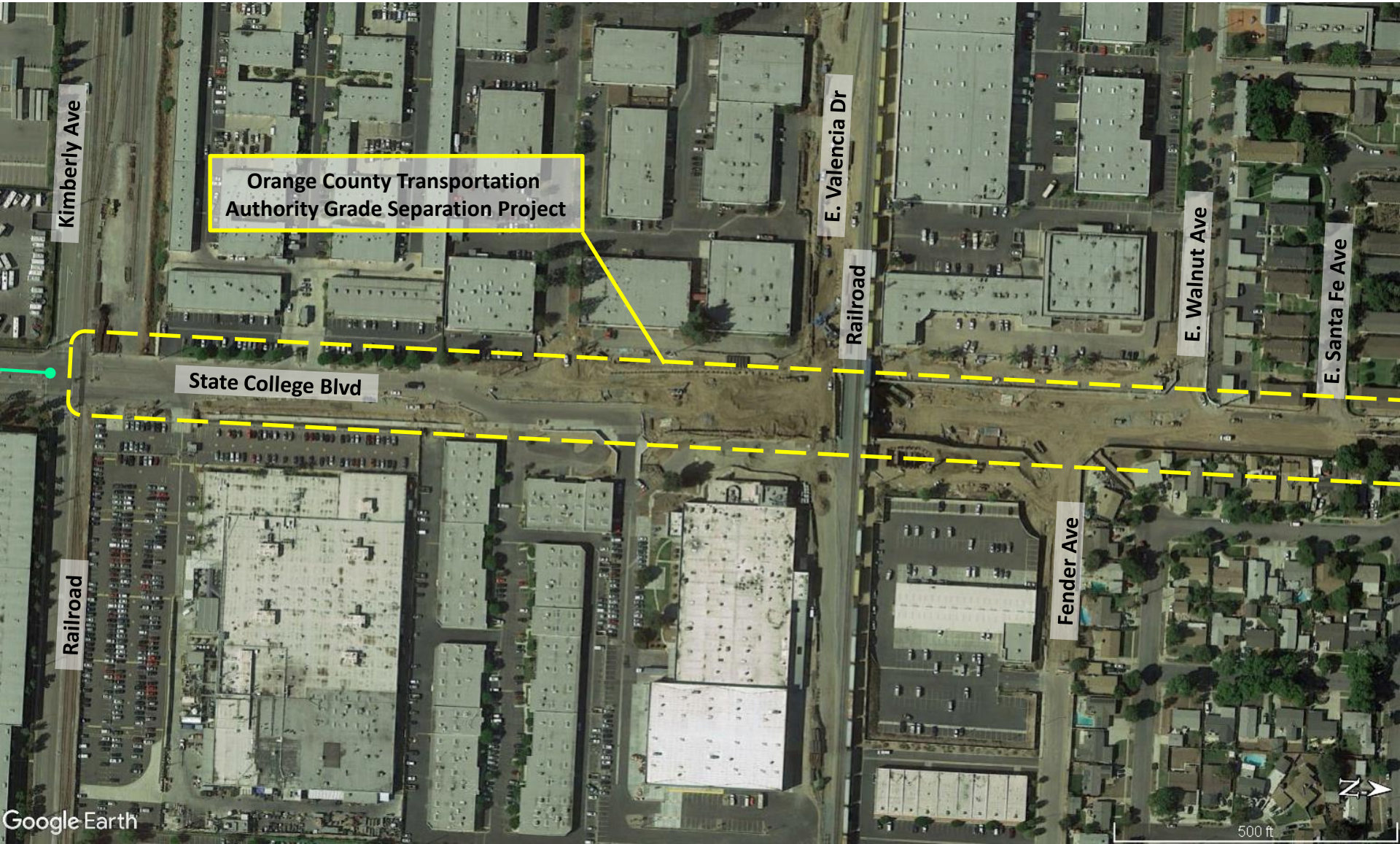
E. Chapman Ave

State College Blvd

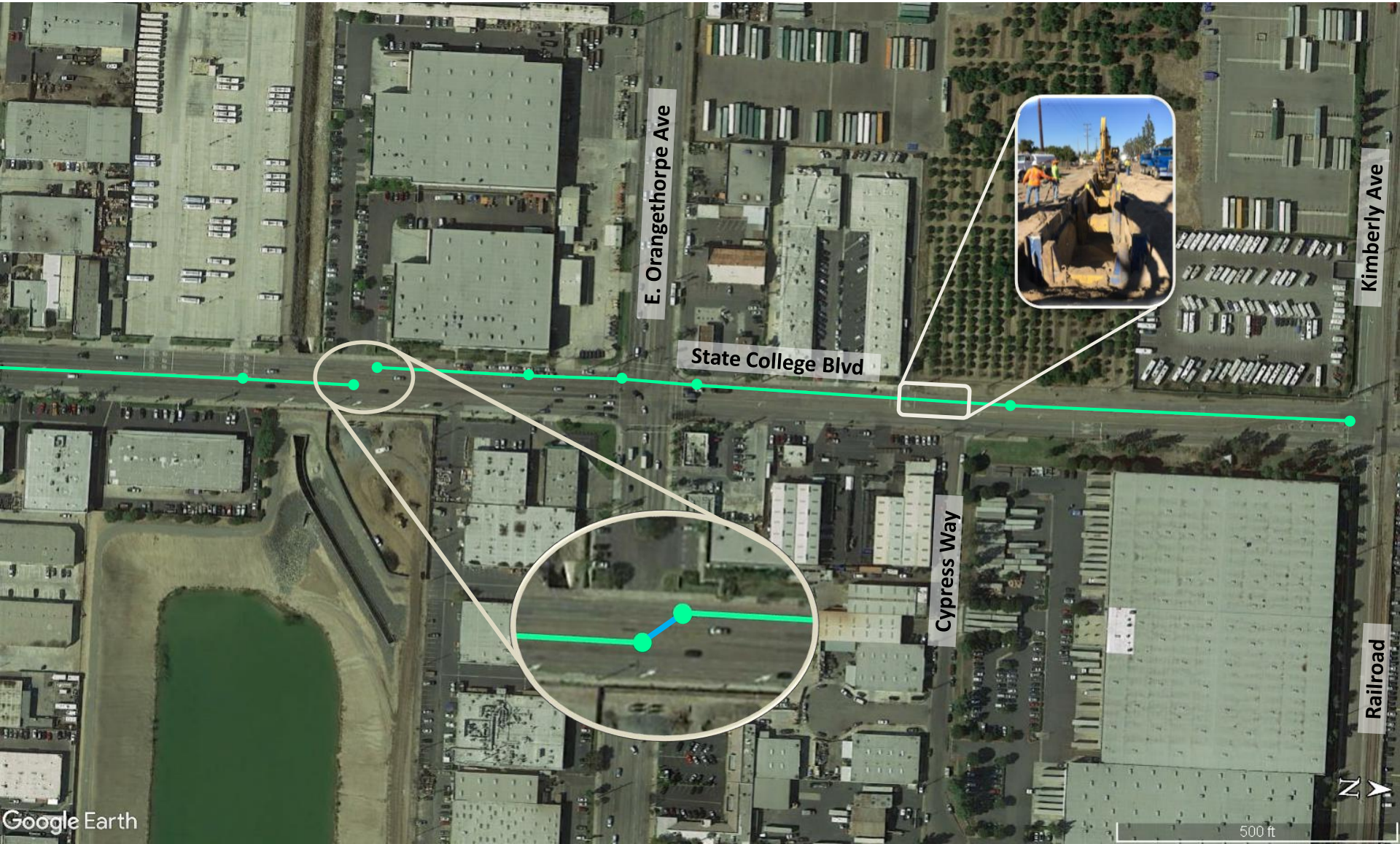
Orange County Transportation Authority Grade Separation Project



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



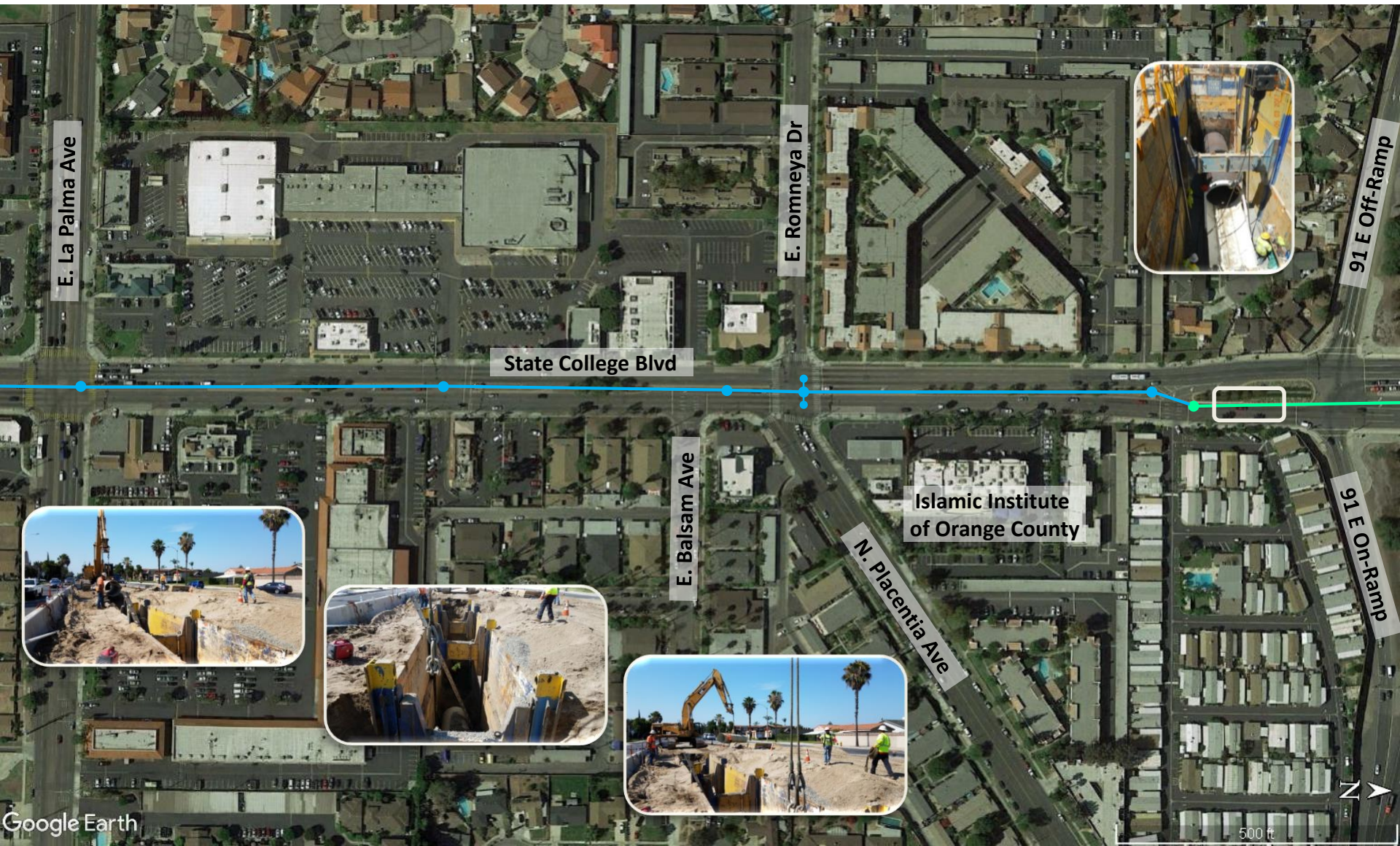
# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase A



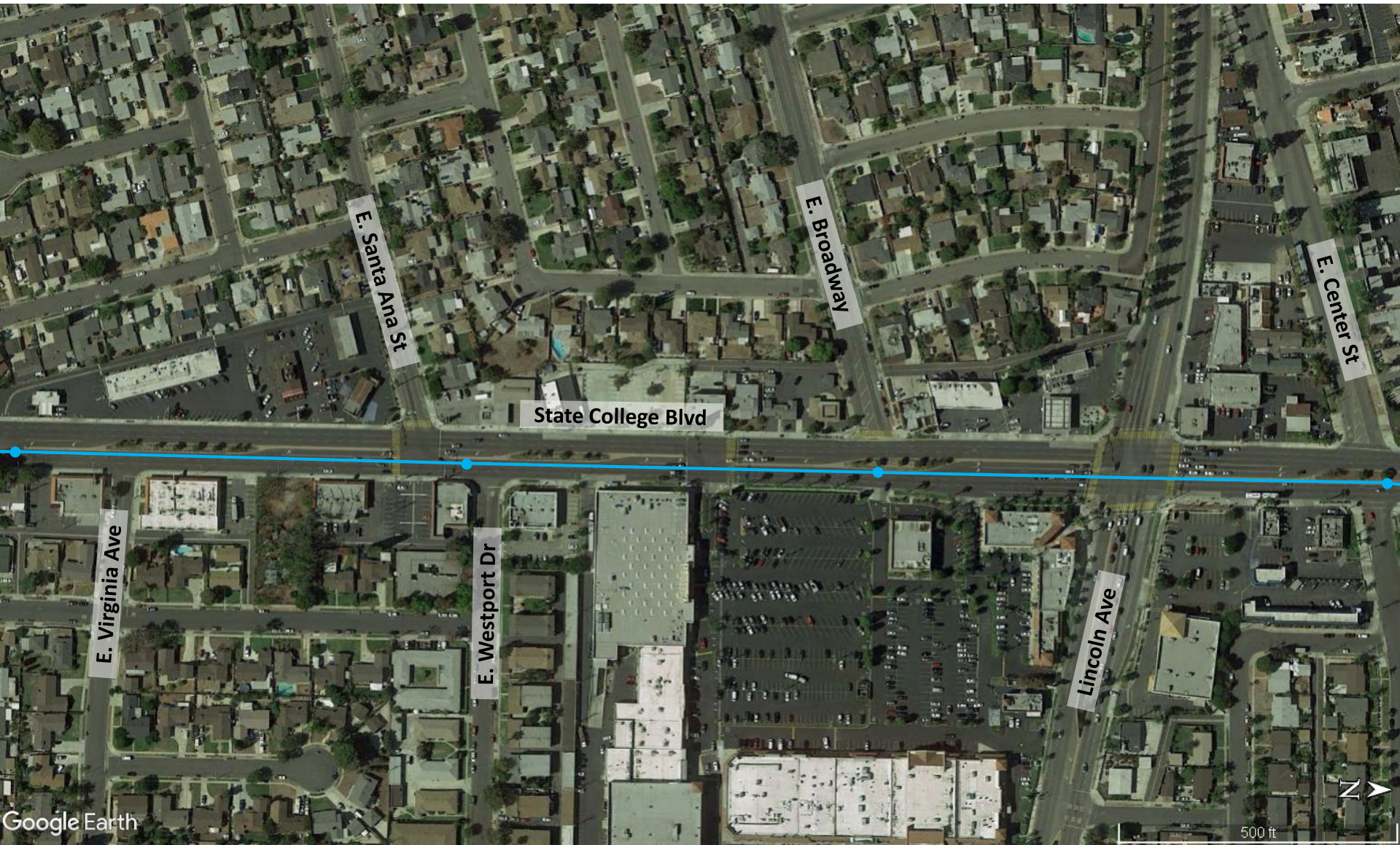
# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



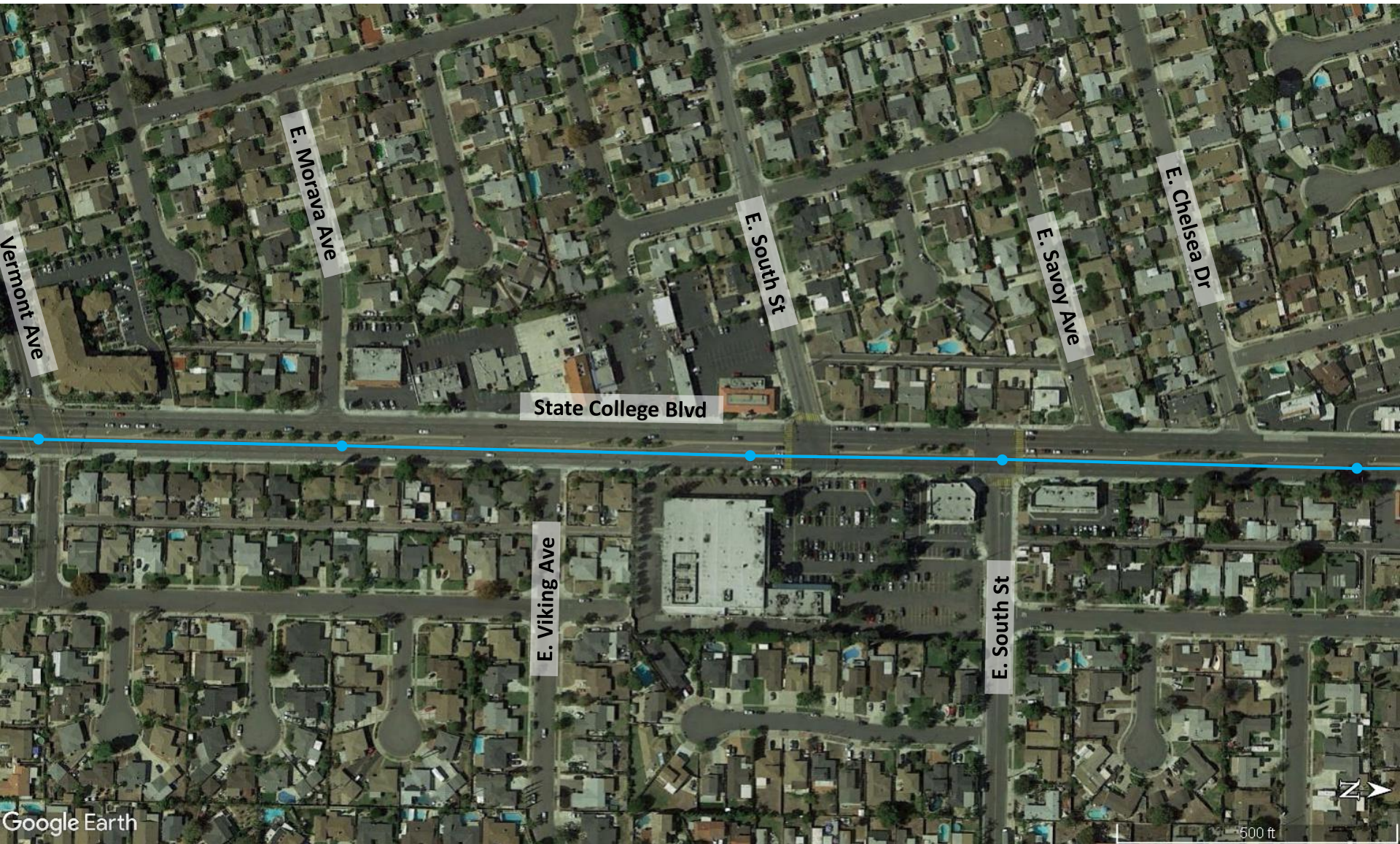
# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B

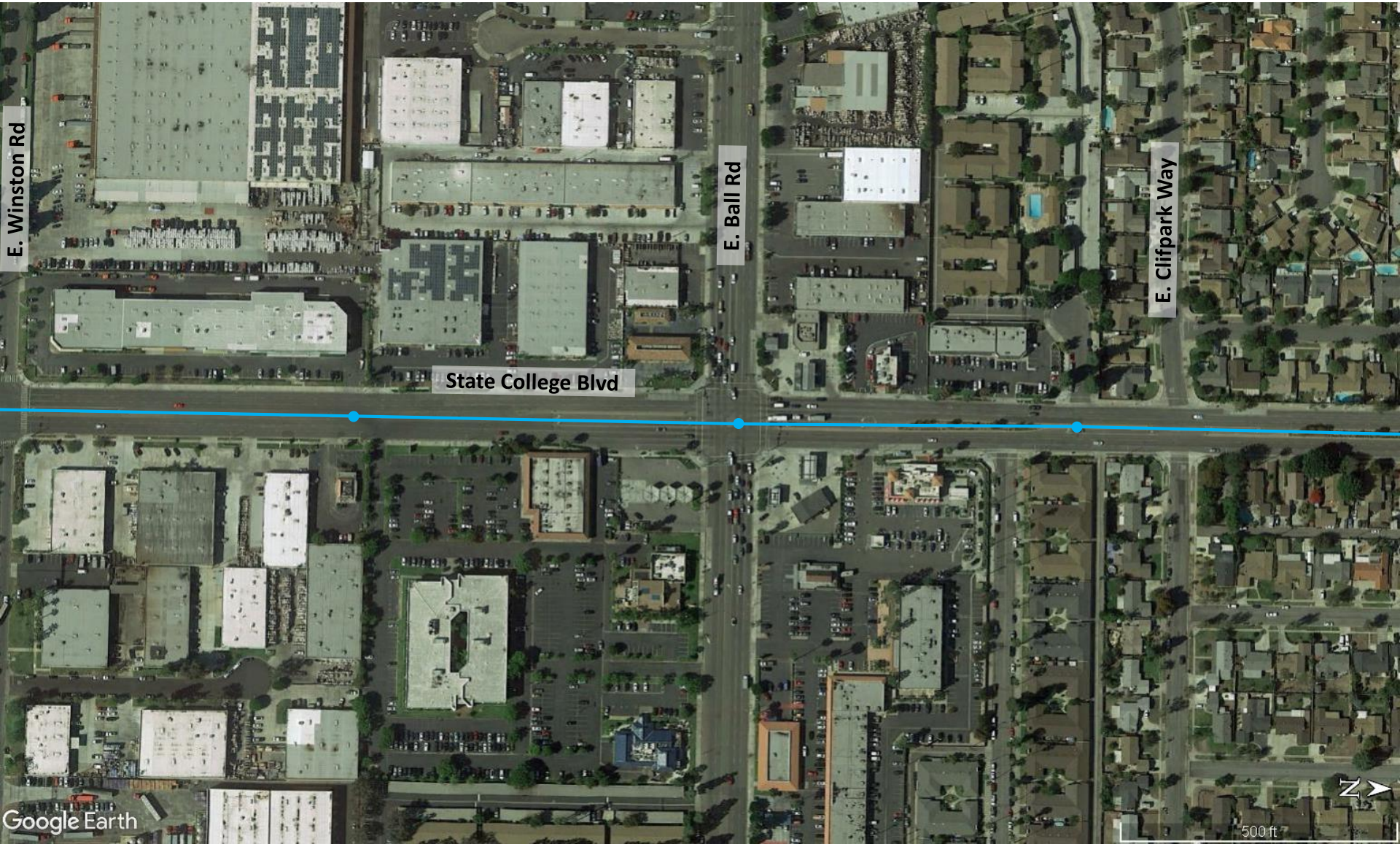


# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B





# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



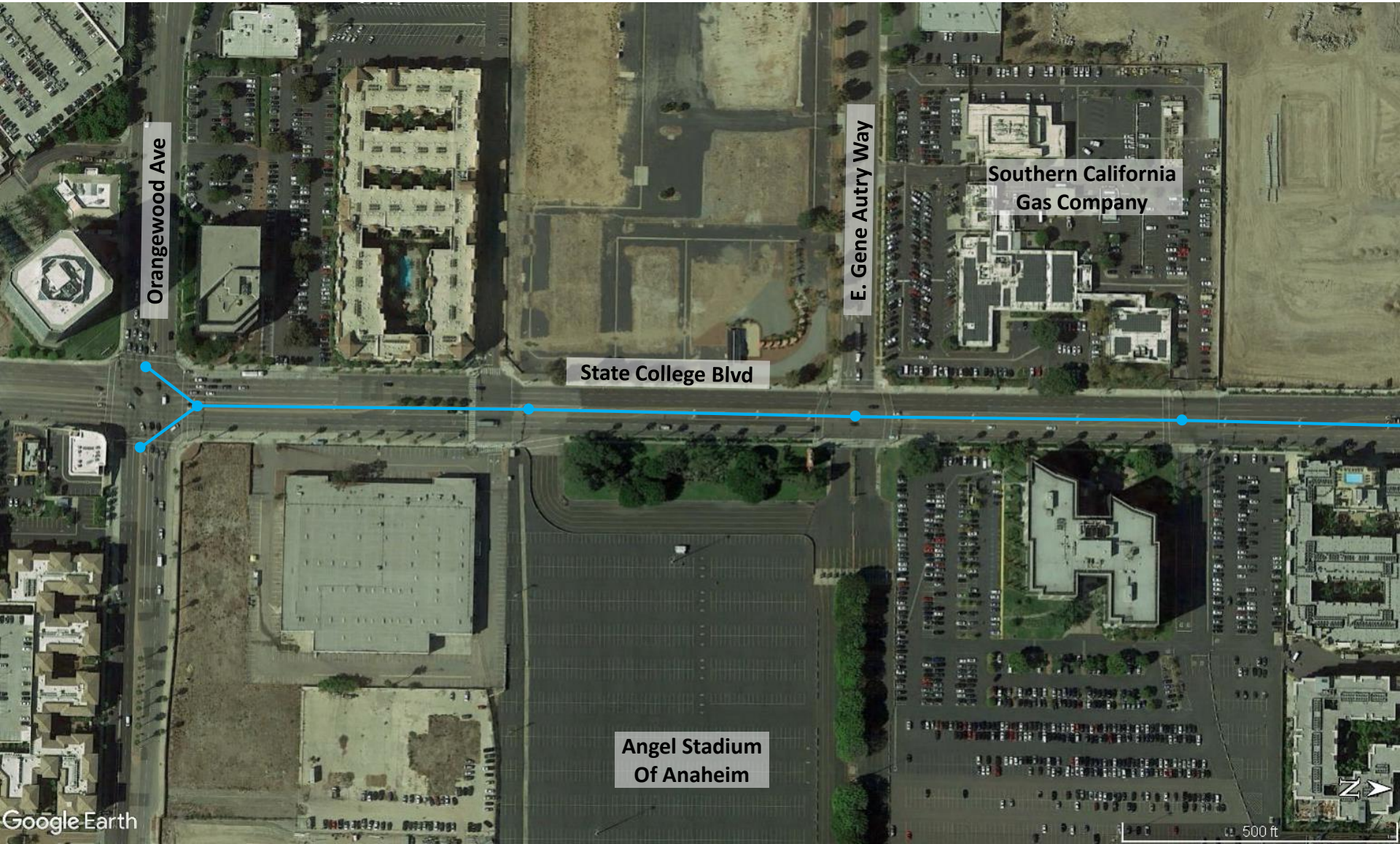
# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD) – Phase B



# Newhope-Placentia Sewer Trunk Replacement Project (OCSD)

- Description: 34,800 LF of sewer trunk replacement to increase capacity
- Overall Percent Complete : 33%
- Estimated Completion: December 2021
- Benefits: Redirect 8 MGD from the SARI line; 2 MGD of the treated water to protect the basin as part of the seawater intrusion barrier efforts, while the remaining 6 MGD of treated water will both increase water supply and reduce salt loading by 4,170 tons per year.

Thank You

# Social Media Services Your So Cal Tap Water

## Emerging Constituents Task Force

Year-end Evaluation  
July 2016- June 2017



DEGRAVE  
COMMUNICATIONS  
PUBLIC RELATIONS



# Emerging Constituent Program Task Force

**21 signatories (including all SAWPA member agencies) to Task Force Agreement, but over 250 on email contact list:**

- Water Wholesalers
- Water Retailers
- Wastewater Treatment Operators
- Regional Board Staff
- CDPH Staff
- USGS Staff
- Analytical Lab Staff
- NWRI Staff
- Environmental NGOs



# Emerging Constituent Program Task Force Participating Task Force Agencies in Outreach

<b>Eastern Municipal Water District</b>	<b>Jurupa Community Services District</b>
<b>Inland Empire Utilities Agency</b>	<b>Yucaipa Valley Water District</b>
<b>City of Riverside</b>	<b>City of Corona</b>
<b>Temescal Valley Water District</b>	<b>City of Redlands</b>
<b>Elsinore Valley Municipal Water District</b>	<b>City of Rialto</b>
<b>Irvine Ranch Water District</b>	<b>Western Riverside Co Regional Wastewater Authority</b>
<b>Colton/San Bernardino Regional Tertiary Treatment and Wastewater Reclamation</b>	

# Emerging Constituent Program Task Force

## Benefits to Funding Agencies

### **SAMPLING**

- Alternative to new regulation for recharge (cost savings of \$100,000 per year)
- Improved regional evaluation of EC

### **SOCIAL MEDIA**

- Build awareness about water related issues
- Share information on safety of local water supply
- Correcting misinformed media exposure through outreach

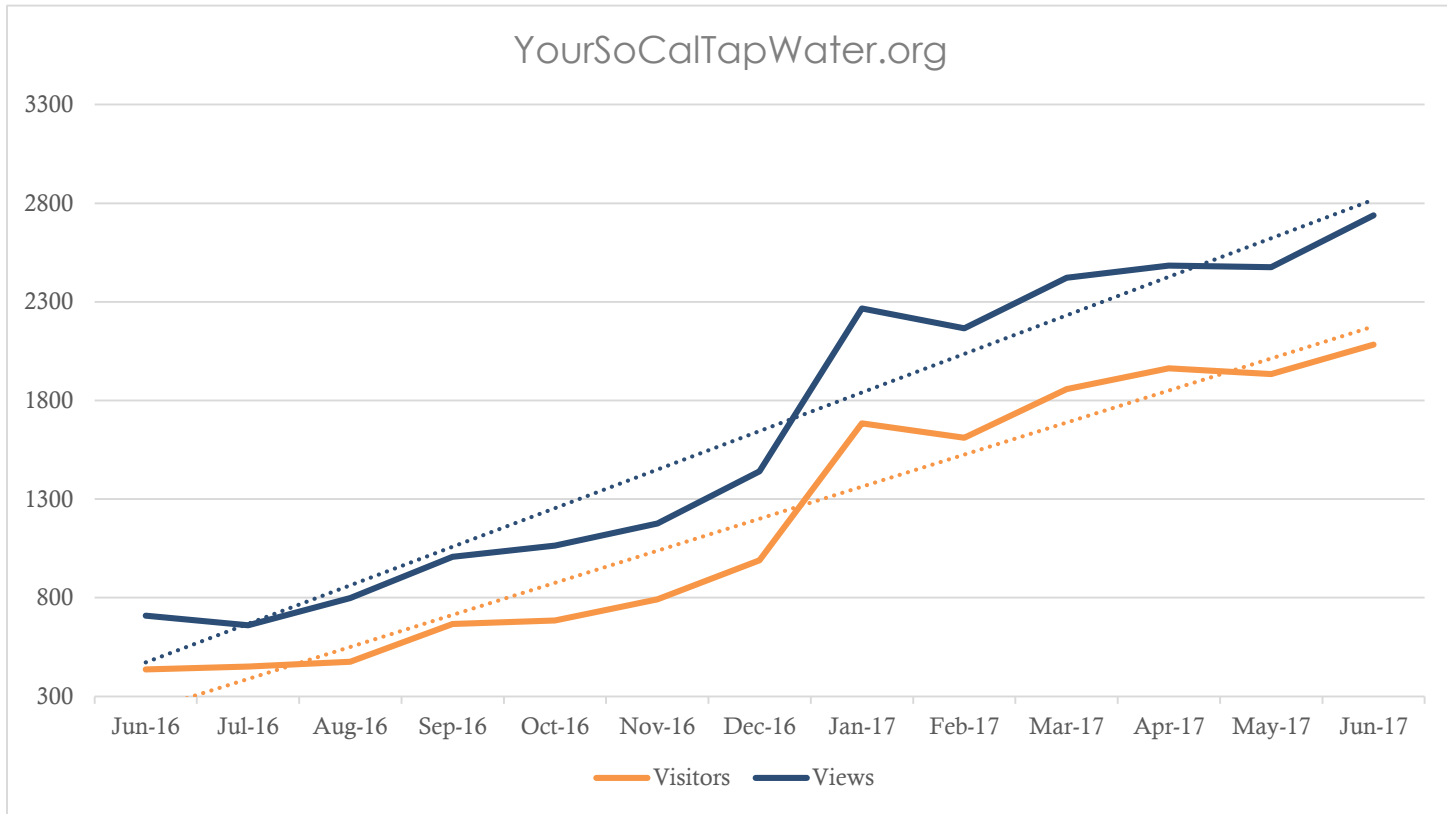


# YourSoCalTapWater.org



DEGRAVE  
COMMUNICATIONS  
PUBLIC RELATIONS

# YourSoCalTapWater.org



174% increase in visitors over past 6 months

# Is Tap Water Safe?

YourSoCalTapWater.org

- 10,563 views



## **Is Tap Water Safe?**

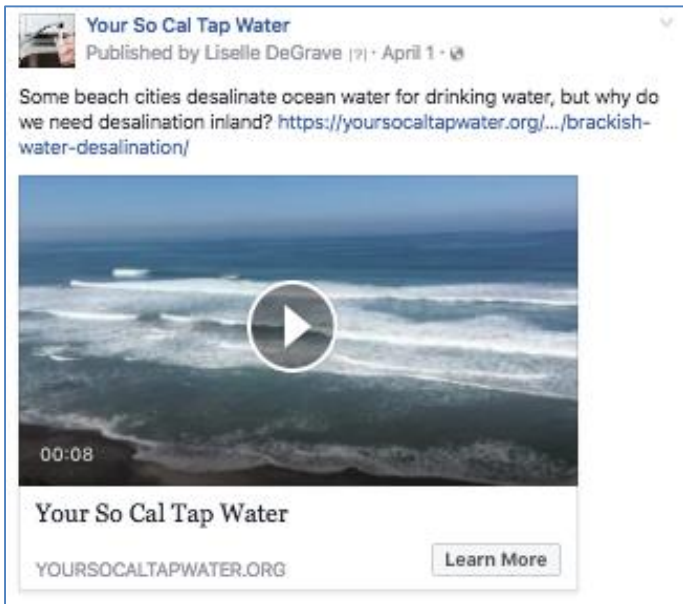
Is tap water safe to drink in Southern California? Is bottled water safer than tap water? Following recent reports of nationwide scandals involving water quality, Americans continue to question the safety of their tap wa...



# Facebook @YourSoCalTapWater



# Facebook Highlights



1,478 people reached



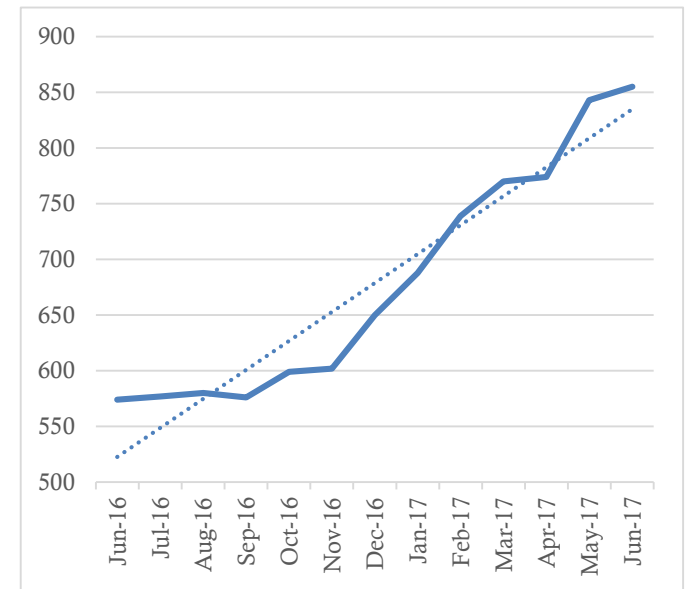
1,902 people reached



1,539 people reached

# Facebook Likes

**SoCalTapWater (2012): 854 likes**  
EMWD (2009): 922 likes  
IEUA (2013): 425 likes  
OCWD (2009): 399 likes  
WMWD (2010): 636 likes  
SBVMWD - not on FB





# Twitter

## @SoCalTapWater



# Top Tweets

**Top Tweet** earned 15.2K impressions  
Recreation and Drinking Water Along the  
Santa Ana River  
[yoursocaltapwater.org/2017/06/01/rec...](http://yoursocaltapwater.org/2017/06/01/rec...)  
[pic.twitter.com/zMIYWKCIXp](http://pic.twitter.com/zMIYWKCIXp)



🔗 1

**Top media Tweet** earned 9,864  
impressions

Tap water and children? Should they drink  
the water that comes from your tap?  
[ow.ly/OnYK30bKNol](http://ow.ly/OnYK30bKNol)  
[pic.twitter.com/scjBjKCSea](http://pic.twitter.com/scjBjKCSea)



🔗 1 ❤️ 1

**Top mention** earned 26 engagements



**Michael E. Campana**  
@WaterWired · Sep 10

Via @SoCalTapWater 15 Sept 2016 is  
'Imagine a Day Without Water'. How do you  
#ValueWater? [bit.ly/2bMbulx](http://bit.ly/2bMbulx)  
[pic.twitter.com/rIN3MwTsa0](http://pic.twitter.com/rIN3MwTsa0)

71% of Earth's surface is  
covered by water. But only  
1% is accessible freshwater  
suitable for human use.

Imagine a Day Without Water  
September 15, 2016 | #ValueWater



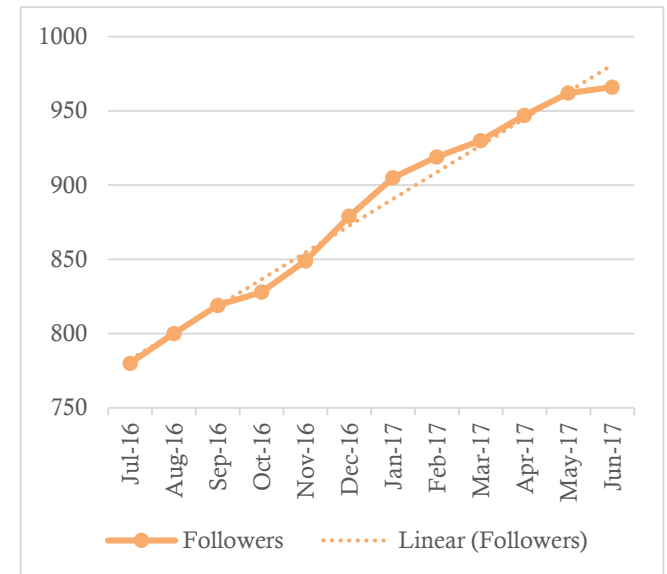
🔗 1 🗨️ 7 ❤️ 4

dc

DEGRAVE  
COMMUNICATIONS  
PUBLIC RELATIONS

# Twitter Followers

**SoCalTapWater (2012): 993 followers**  
EMWD (2009): 2,170 followers  
IEUA (2014): 369 followers  
OCWD (2009): 4,655 followers  
WMWD (2009): 3,969 followers  
SBVMWD - not on Twitter



# #ChooseTapWater Campaign

## Participating Agencies

- Corona Department of Water & Power
- Eastern Municipal Water District
- Elsinore Valley Municipal Water District
- Inland Empire Utilities Agency
- Irvine Ranch Water District
- Jurupa Community Services District
- San Bernardino Valley Municipal Water District
- Western Municipal Water District
- Yucaipa Valley Water District

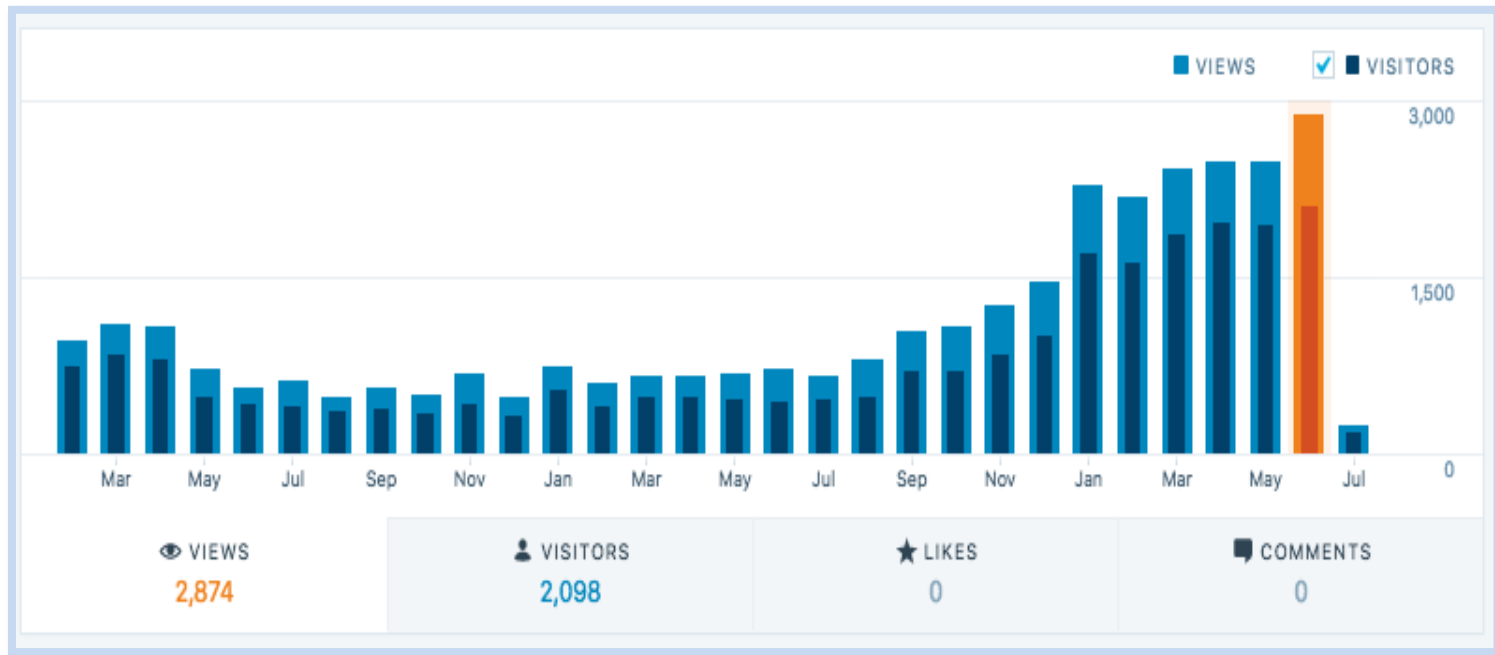


# #ChooseTapWater Evaluation

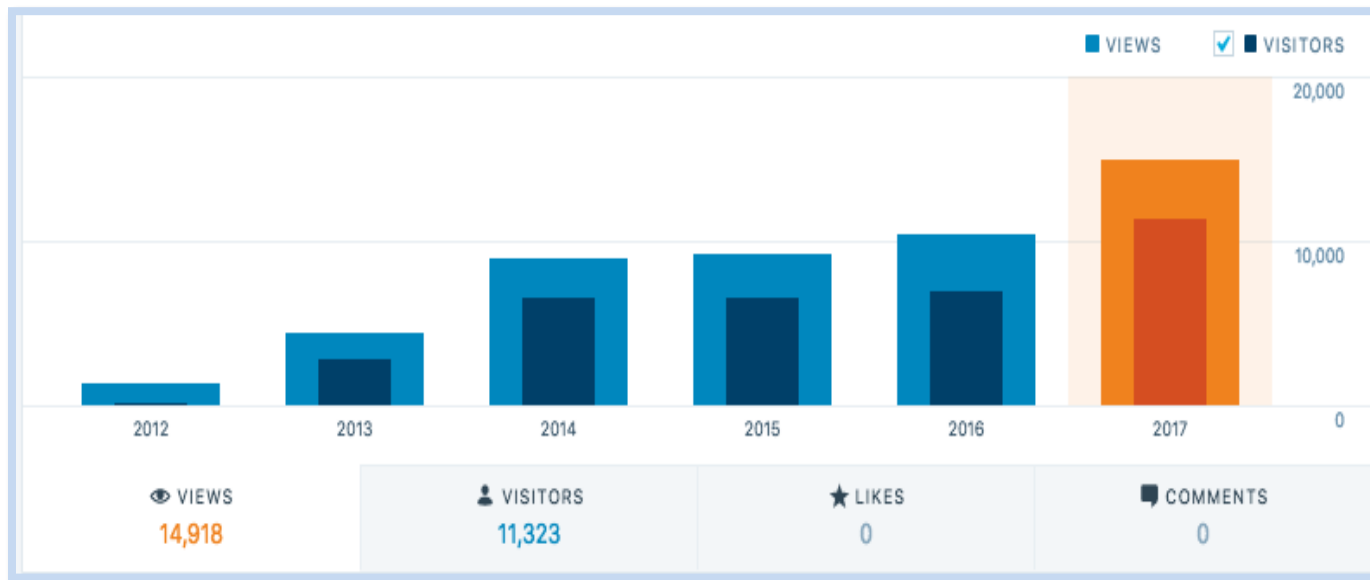
- ◆ **Goal: Increase engagement on social media**
- ◆ June blog: 2,874 views and 2,098 visitors (all time high).
- ◆ “Campaign Rules” page was the third most visited page during the month of June.
- ◆ 53k Twitter impressions during June (all time high).
- ◆ Facebook Engagement: 269% increase (March to June)
- ◆ Twitter Engagement: 216% increase (March to June)



# #ChooseTapWater Evaluation



# #ChooseTapWater Evaluation



# #ChooseTapWater





# Next Steps

- Continue blog articles
- Continue social media posts
- Social media videos
- Increase agency participation





**BASIN MONITORING  
PROGRAM TASK FORCE  
CDM SMITH CHANGE  
ORDER No. 2**

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

**SAWPA Commission  
July 18, 2017**

# Critical Success Factors

- SAWPA has a strong reputation as a watershed-wide, knowledgeable, neutral and trusted **facilitator, leader, and administrator** of contracted activities.
- Goals, scope, costs, resources, timelines, and the contract term are **approved by the Commission** before executing an agreement to participate in a roundtable group.
- Report and use results of roundtable's work, **leverage information** and involvement for the benefit of SAWPA, its members, and other stakeholders.

# Basin Monitoring Program Task Force

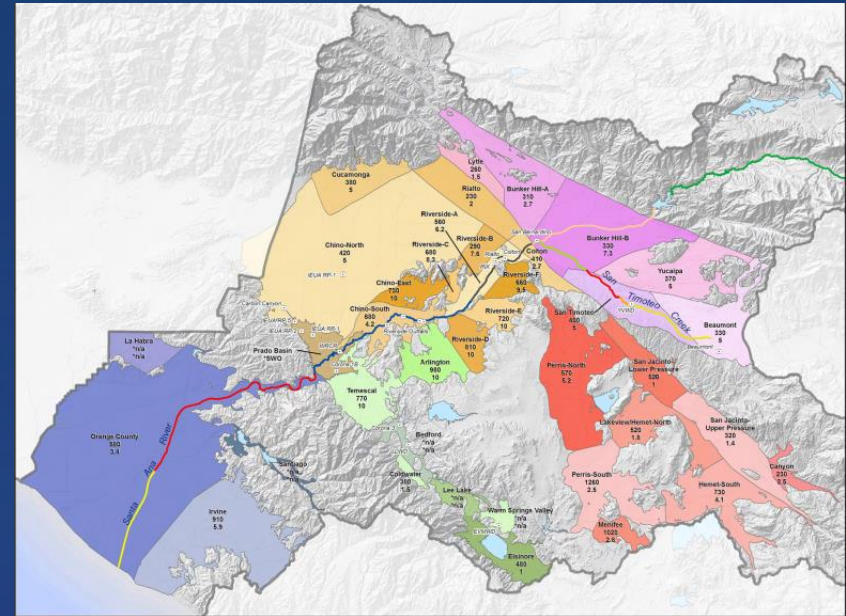
## SAWPA authorized agreement in 2004

### Benefits

- Management and protection of water quality in the Santa Ana River Watershed through implementation and periodic updates of the Regional Board's Salt Management Plan.

### Description

- Conducts analysis of TDS and nitrate in watershed groundwater every three years to identify trends
- Annual Santa Ana River (SAR) water quality report
- SAR Wasteload Allocation to confirm compliance of river discharges with ground water quality objectives



**Budget:** \$404,722 (FYE 2018)

**Total FTE:** 0.16

**Funding Source:** Task Force Agency Contributions

# Basin Monitoring Program Task Force

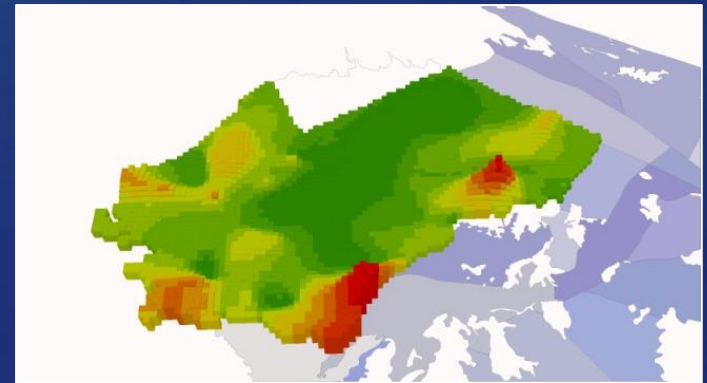
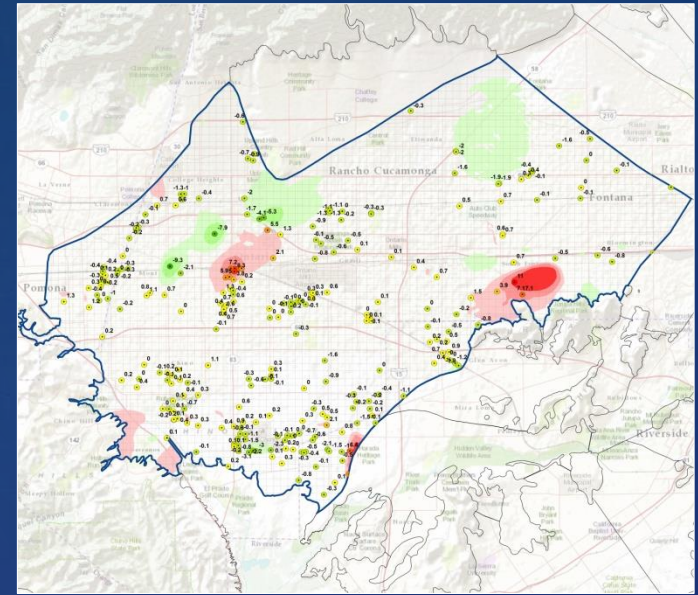
<b>Eastern Municipal Water District</b>	<b>Chino Basin Watermaster</b>
<b>Inland Empire Utilities Agency</b>	<b>Yucaipa Valley Water District</b>
<b>Orange County Water District</b>	<b>City of Beaumont</b>
<b>City of Riverside</b>	<b>City of Corona</b>
<b>Lee Lake Water District</b>	<b>City of Redlands</b>
<b>Elsinore Valley Municipal Water District</b>	<b>City of Rialto</b>
<b>Irvine Ranch Water District</b>	<b>Jurupa Community Services District</b>
<b>Colton/San Bernardino Regional Tertiary Treatment and Wastewater Reclamation</b>	<b>Western Riverside Co Regional Wastewater Authority</b>
<b>San Bernardino Valley Municipal Water District</b>	<b>City of Banning</b>
<b>San Geronio Pass Water Agency</b>	<b>Beaumont Cherry Valley Water District</b>

- Santa Ana Regional Board also a non-funding task force agency

# CDM Smith Task Order

## Triennial Ambient Water Quality Update

- A rigorous, science-based estimate of Ambient Water Quality (AWQ) for Nitrogen and TDS
- Conducted every three years
- Same methodology as past AWQ determinations used in objective setting period and subsequent recomputations.
- Daniel Stephens & Associates (Subcontractor)
- Contract Amount \$349,960
- Change Order No. 1 \$19,200 (approved)



# Proposed CDM Change Order No. 2

- Amount \$35,953
- Reflects unanticipated and unbudgeted changes to data collection and compilation, data formatting, QA/QC, and data analysis
- Detailed additional explanation and justification was requested and provided
- Overall cost remains below competing firms
- Change order allows completion of Regional Board required deliverable
- Task Force on June 20<sup>th</sup> and SAWPA staff recommends approval of Change Order No. 2 “subject to the condition that the consultant will obtain approval in advance of proceeding with any additional new work.”





# Recommendation:

SAWPA Commission approve a Change Order No. 2 to CDM Smith Task Order 374-01 for the amount not-to-exceed \$35,953 for work conducted to prepare the Triennial Ambient Water Quality Recomputation for the Santa Ana River Watershed for the Period 1996-2015

Questions?

# **TECHNICAL WRITER/GRANT WRITER RFQ**

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

**SAWPA Commission  
July 18, 2017**

# Critical Success Factors

## OWOW

Active participation of a diverse group of stakeholders. Ensuring **all perspectives** are heard and valued.

A strong reputation and sufficient capacity within SAWPA staff for strategic facilitation, planning, **communication**, leadership and community **engagement**.

Annual **review the accomplishments and implementation performance** of the plan with the Commission and the Steering Committee.

**Data and information needed** for decision-making is available to all.

## Roundtables

**Report and use results of roundtable's work, leverage information** and involvement for the benefit of SAWPA, its members, and other stakeholders.

**Adequate professional staff and resources** to effectively provide facilitation, management, administrative and technical support to collaborative work efforts.

# Why issue Request for Qualifications?

- SAWPA commission authorized staff to prepare RFQ for services on “as needed” basis for the interim period until a new general manager for SAWPA is hired.
- Thereafter, the new general manager can conduct an evaluation of the staffing needs vs consultant needs for such services
- GM recommendations to be brought back to the SAWPA Commission.



# Request for Qualifications (RFQ) Content

- RFQ creates a short list of qualified consultants not geared to specific grant or work assignment yet
- RFQ has two parts 1) grant writer 2) technical writer support services
- Qualified short list will be used to select consultant by SAWPA based on specific expertise, needs and time frame
- Writing and grant assignments may need quick turnaround and proceed under GM authorization less than \$50K



# Technical Writing Services



## Examples of Possible Future Work

- OWOW Plan 2018 Update
- Inland Empire Brine Line Business Plan
- Cowbird Trapping Results briefing document
- Roundtables  
Technical Study Reporting and Briefing

# Grant Writer Services



## Examples of Possible Future Work

- Pacific Institute
- Bechtel Foundation
- Walmart Foundation
- Sierra Fund
- Non-OWOW State Grants
- Federal grants – USFS, USFWS





# Water Energy Community Action Network

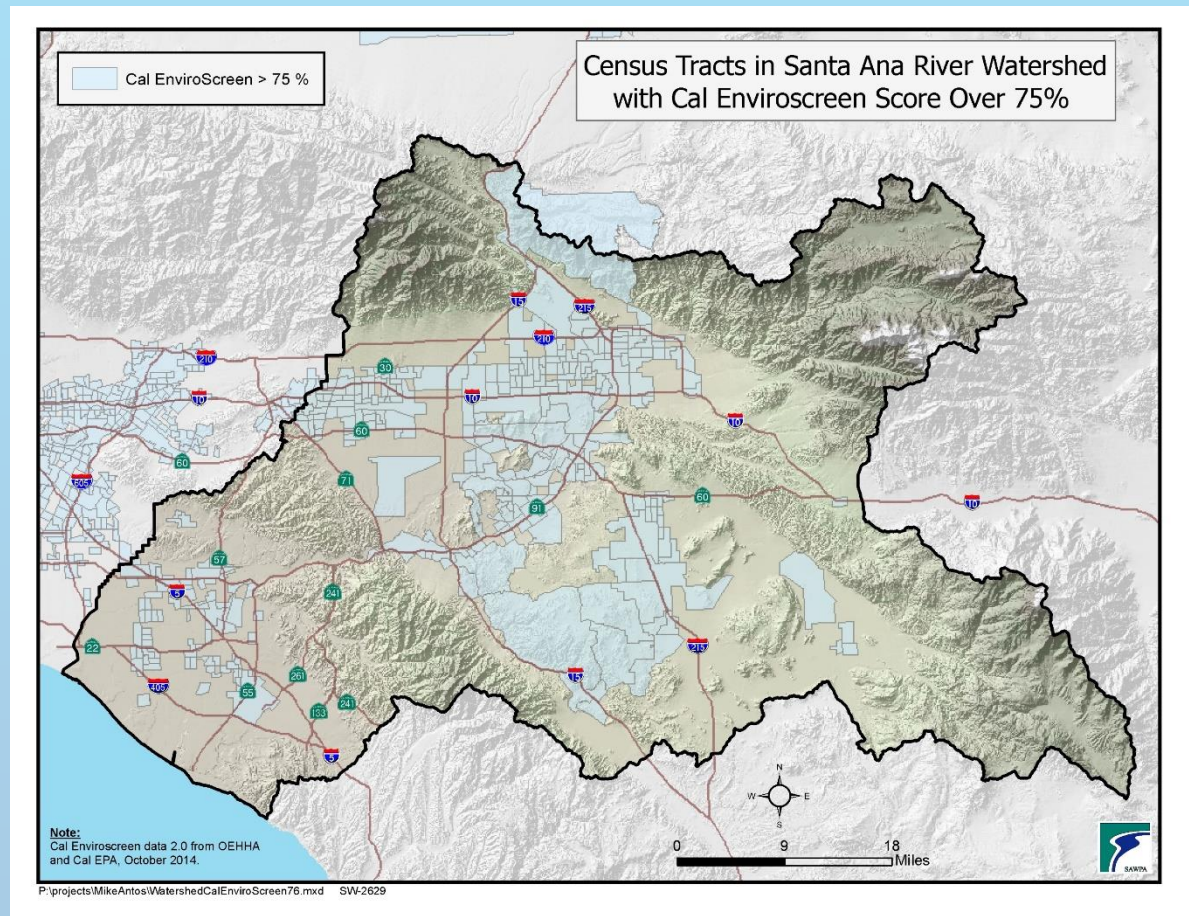
**Mike Antos, Ph.D.**  
**Senior Watershed Manager**

SAWPA Commission Meeting  
July 18, 2017



# OWOW Business Line - Critical Success Factors

Distribution of benefits across the watershed fairly and equitably.



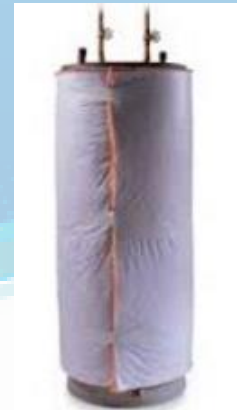
# Roundtable Business Line - Critical Success Factors

SAWPA's  
reputation as  
a trusted  
leader and  
administrator.



# 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



# Our team

- Five funding partners
- Three CAPs
- Three consultants



PUBLIC UTILITIES



ORANGE COUNTY  
COASTKEEPER®



EcoTech Services, Inc.



SAWPA



WE CAN

# Achievements

Fixture	No. Installed	Perc. Total
HE Toilets	89	52%
Low-flow showerheads	91	25%
Thermostatic Shower Valves	93	23%
Faucet Aerators	141	46%
HE Hot Water Heaters	20	5%
Hot Water Heater Blankets	45	82%

Turf Partner	Sq. Ft. Removed	Perc. Total
Anaheim PU	19,105	59%
Fontana WC	6,170	9%
Jurupa CSD	74,190	79%
West Valley WD	22,930	42%



# Achievements



# Achievements





# Achievements



# Other successes



## Helping Local Communities Conserve: The Water-Energy Community Action Network

Governor's Office of Planning and Research  
Best Practice Pilot Program

Arya Moalemi, CivicSpark Fellow  
Mike Antos, Watershed Manager  
Santa Ana Watershed Project Authority, CivicSpark Sponsor



August 2016



[https://www.opr.ca.gov/s\\_bestpractices.php](https://www.opr.ca.gov/s_bestpractices.php)



# Other successes

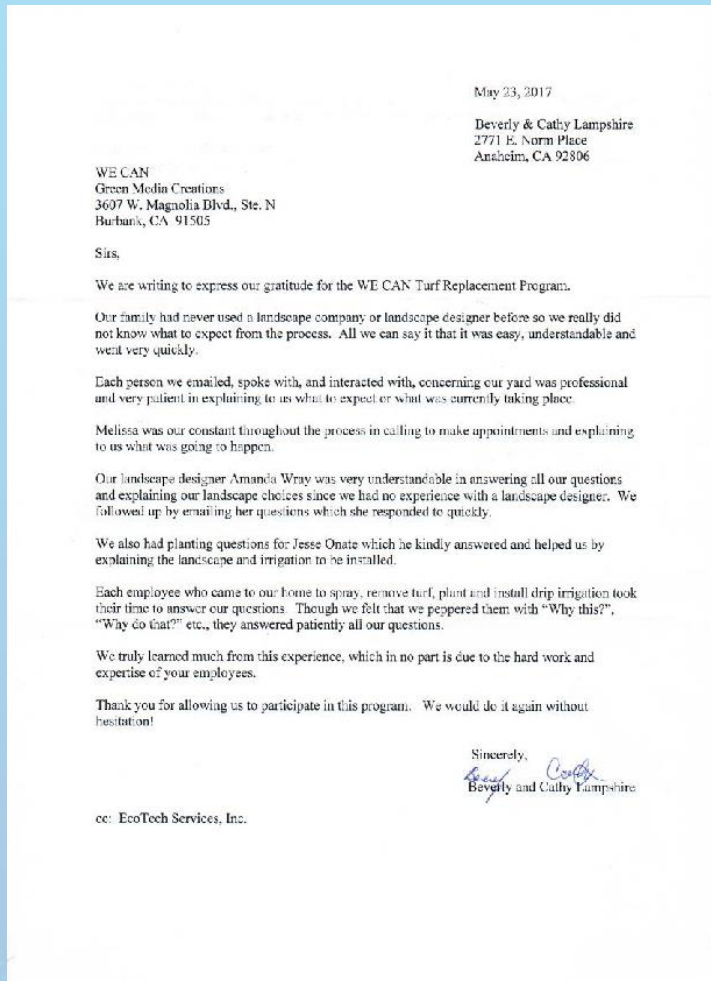


- WaterSmart grant
- 50/50 split funding
- 120,000 sq. ft. turf removal
- \$730,000 augmentation to MOU with SAWPA



# Other successes

# Kudos !



“Thank you for allowing us to participate in this program. We would do it again without hesitation!”

“We truly learned much from this experience, which in no [small] part is due to the hard work and expertise of your employees.”



# State of WECAN



Grant admin and program on budget



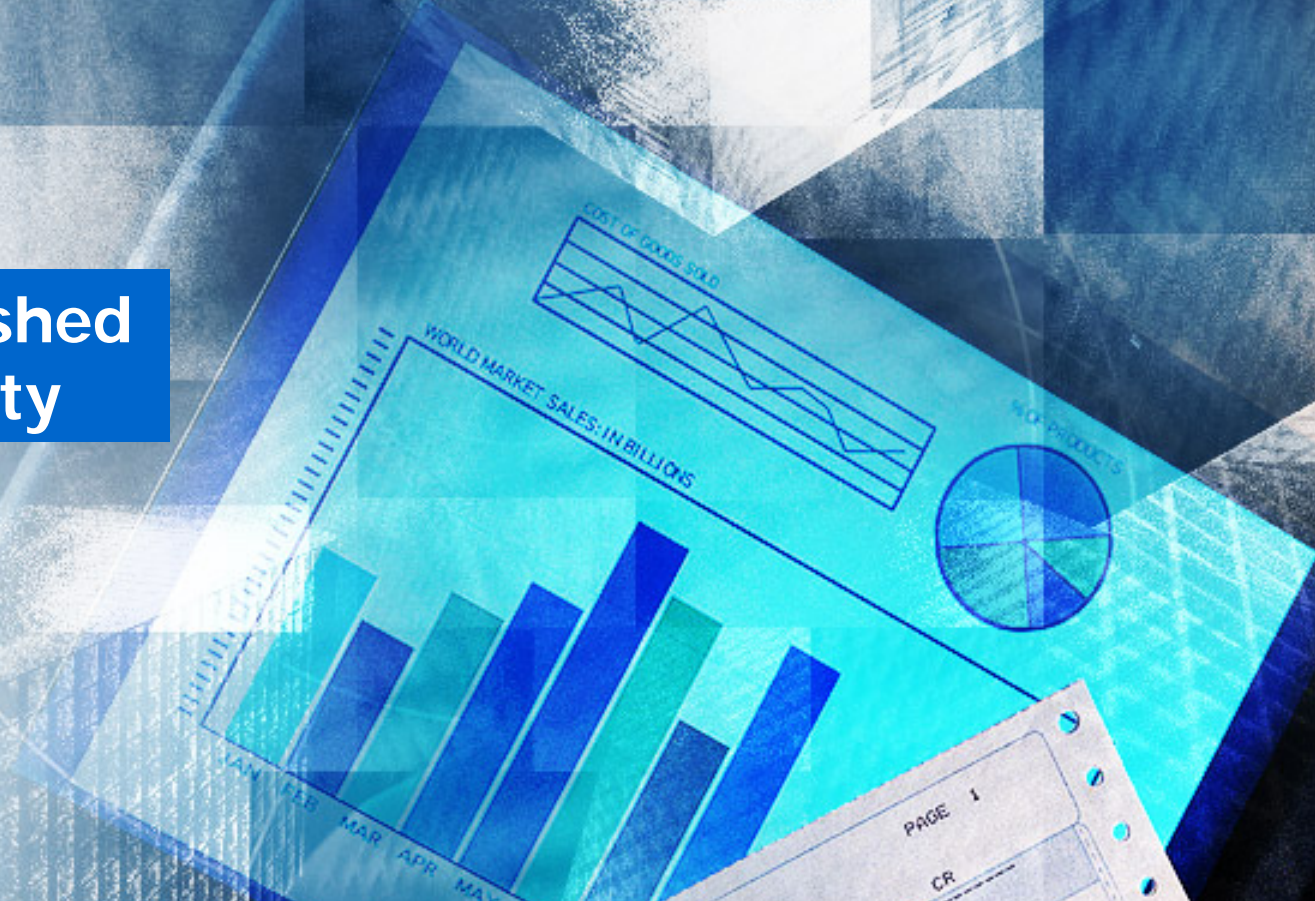
Following extension granted by DWR,  
on-schedule for Dec 2018 completion.

# Staff recommends:

- That the Commission receive and file this informational report.

# Santa Ana Watershed Project Authority

## Financial Report for the Inland Empire Brine Line Enterprise/CIP for the 3rd Quarter Ending March 31, 2017



# Agenda

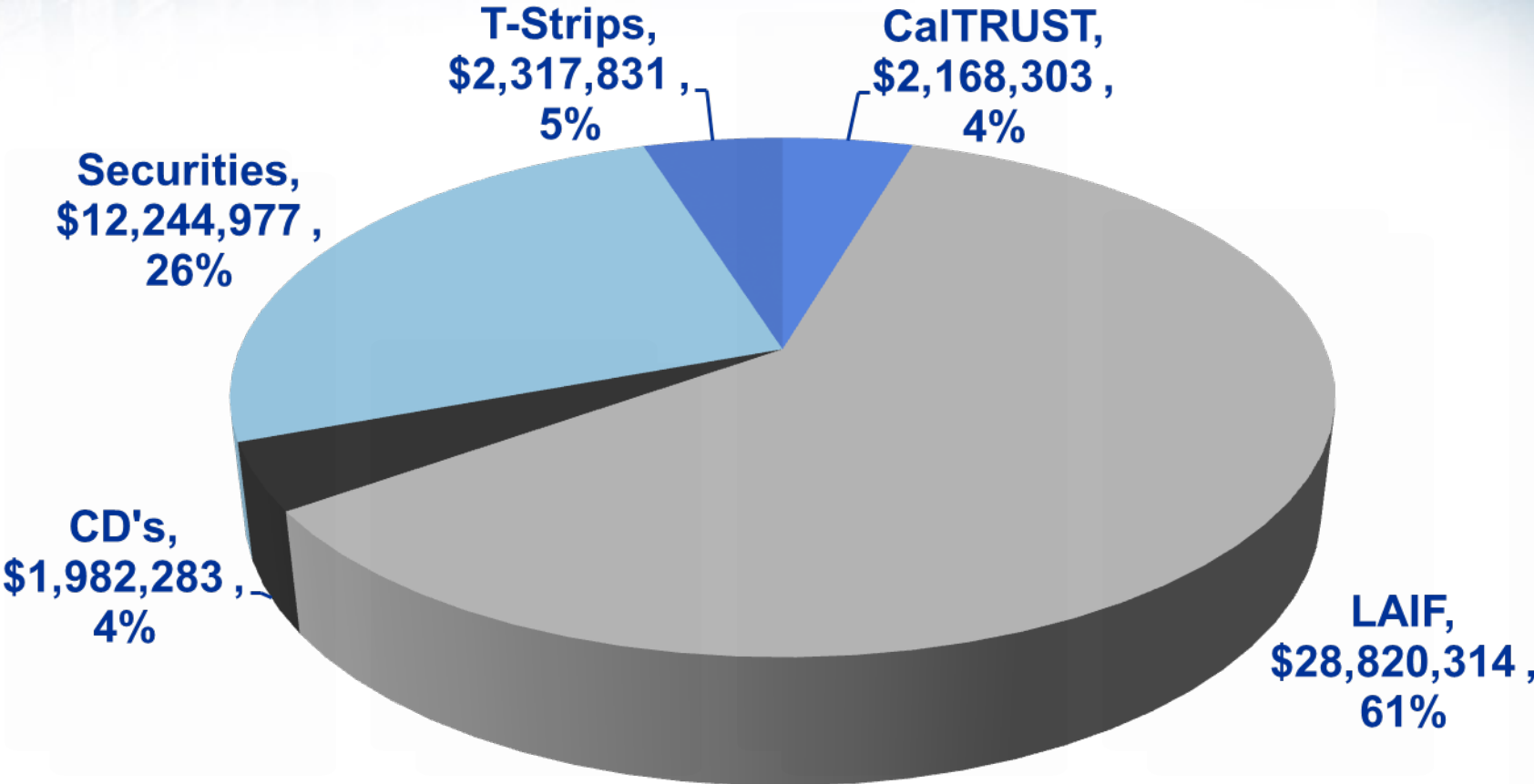
The background features a collage of financial data visualizations. On the left, there's a grid pattern. In the center, a bar chart with five blue bars of varying heights is prominent. To the right, a pie chart is partially visible. Below the bar chart, there's a document page with the text 'PAGE 1' and some faint, illegible text. The overall color scheme is light blue and white.

- **Cash & Investments**
- **Reserve Account Balances**
- **Transfer, Uses & Contributions from/to Reserves**
- **Enterprise Performance**
- **Enterprise Revenues**
- **Enterprise Expenses**
- **Capital Improvement Program**



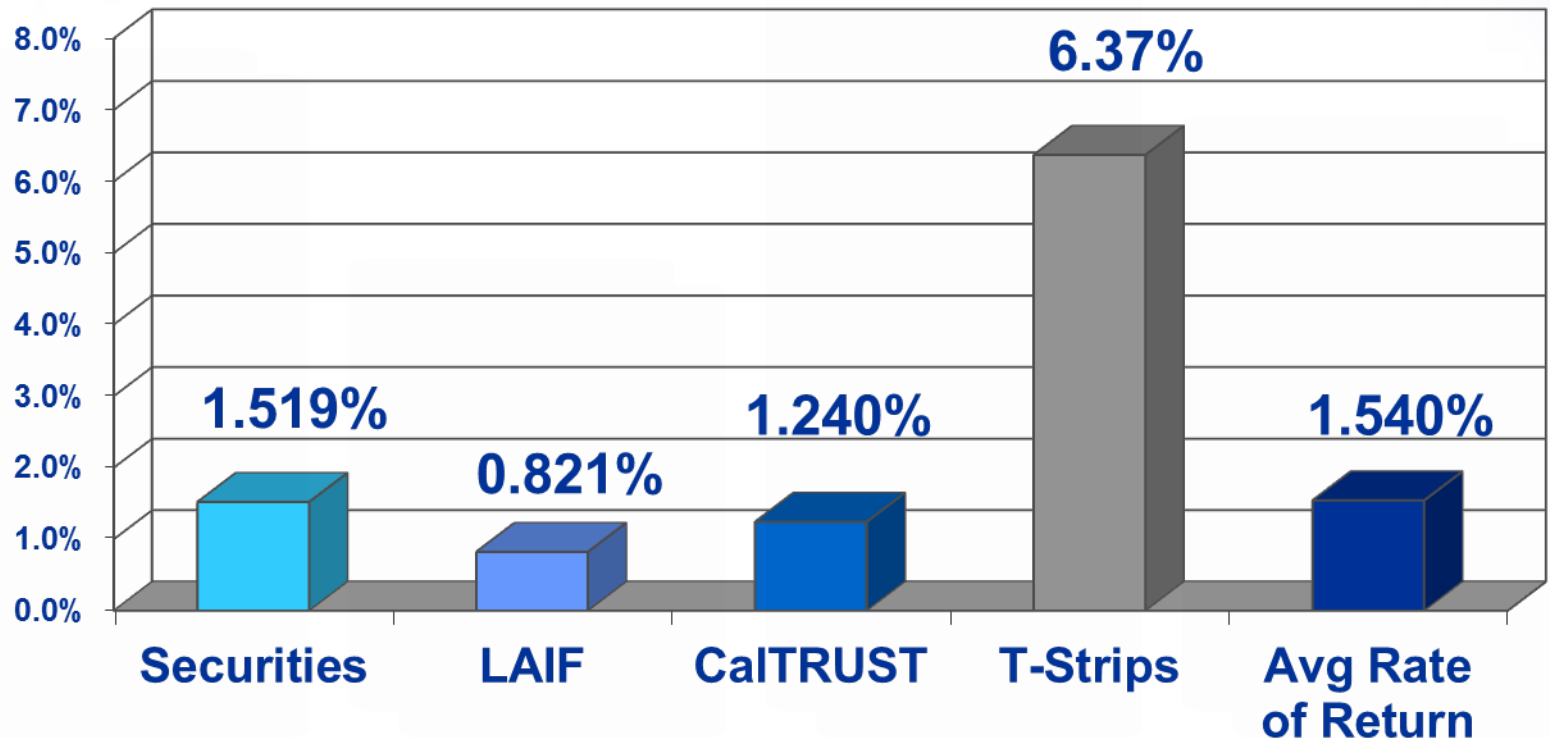
# Cash & Investments

**\$47,533,708**



# Cash & Investments

## Interest Rate Analysis



# Reserve Account Balances

<b>Reserve Account</b>	<b>Balance</b>
Self Insurance	\$3,812,588
Debt Retirement	5,475,338
Pipeline Replacement	16,155,981
OCSD Rehabilitation	7,364,885
Capacity Management	7,815,783
OCSD Future Capacity	1,721,404
Flow Imbalance Reserve	84,418
Operating Reserve	5,103,311
<b>Total Reserves</b>	<b>\$47,533,708</b>

# Reserve Account Balances Trends

Reserve	Balance @ 06/30/16	Balance @ 09/30/16	Balance @ 12/31/16	Balance @ 03/31/17
Self Insurance	\$3,717,788	\$3,748,301	\$3,795,922	\$3,812,588
Debt Retirement	6,606,169	5,525,034	5,707,360	5,475,338
Pipeline Replacement	19,919,329	18,908,927	17,850,481	16,155,981
OCSD Rehabilitation	6,949,290	7,087,855	7,281,550	7,364,885
Capacity Mgmt	7,197,751	7,198,787	7,815,783	7,815,783
OCSD Future Capacity	1,711,499	1,714,869	1,721,404	1,721,404
Flow Imbalance Reserve	83,084	83,246	83,563	84,418
Operating Reserve	3,790,275	3,885,301	3,971,781	5,103,311
<b>Total</b>	<b>\$49,975,185</b>	<b>\$48,152,320</b>	<b>\$48,227,844</b>	<b>\$47,533,708</b>

# Transfers, Use and Contributions To/From Reserves

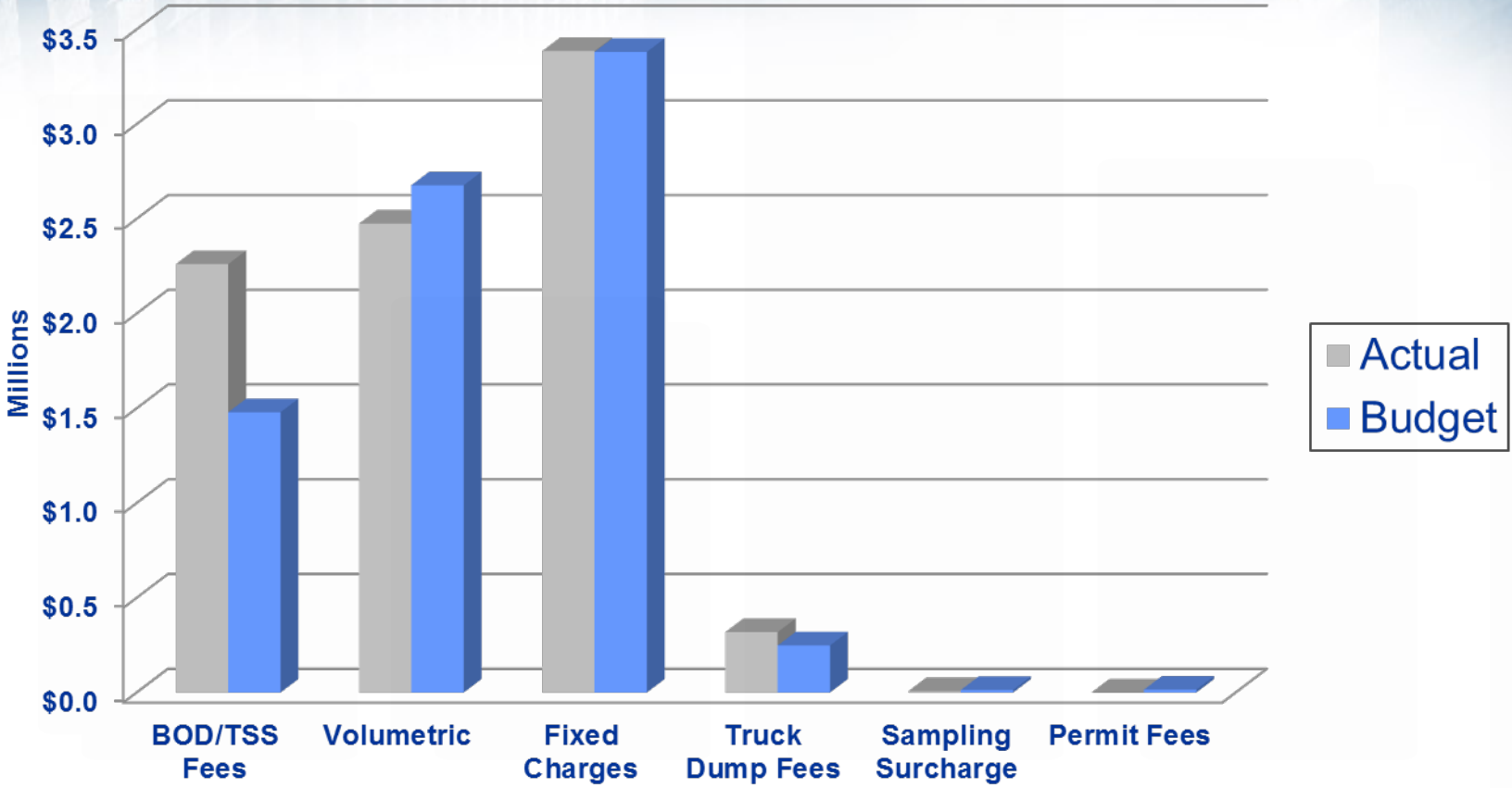
- **Pipeline Replacement Reserve**
  - Contribution of \$750,000
  - Use of \$4,585,875 for Capital Projects
- **Capacity Management Reserve**
  - Contribution of \$588,894 (OCFCD loan payment)
- **OCSD Rehabilitation Reserve**
  - Contribution of \$375,000
- **Self Insurance Reserve**
  - Contribution of \$75,000
- **Debt Service Reserve**
  - Contribution of \$381,186

# Total Operating Revenues

<b>Source</b>	<b>Actual</b>	<b>Budget</b>	<b>Variance</b> Positive/(Negative)
BOD/TSS Fees	\$2,260,831	\$1,479,188	\$781,643
Volumetric Fees	2,474,257	2,676,960	(202,703)
Fixed Charges	3,384,813	3,380,705	4,108
Truck Discharge	318,396	248,063	70,333
Sampling Surcharge	6,939	13,125	(6,186)
Permit Fees	0	14,813	(14,813)
<b>Total Operating Revenues</b>	<b>\$8,445,237</b>	<b>\$7,812,853</b>	<b>\$632,384</b>

# Operating Revenues vs. Budget

## Budget vs. Actual



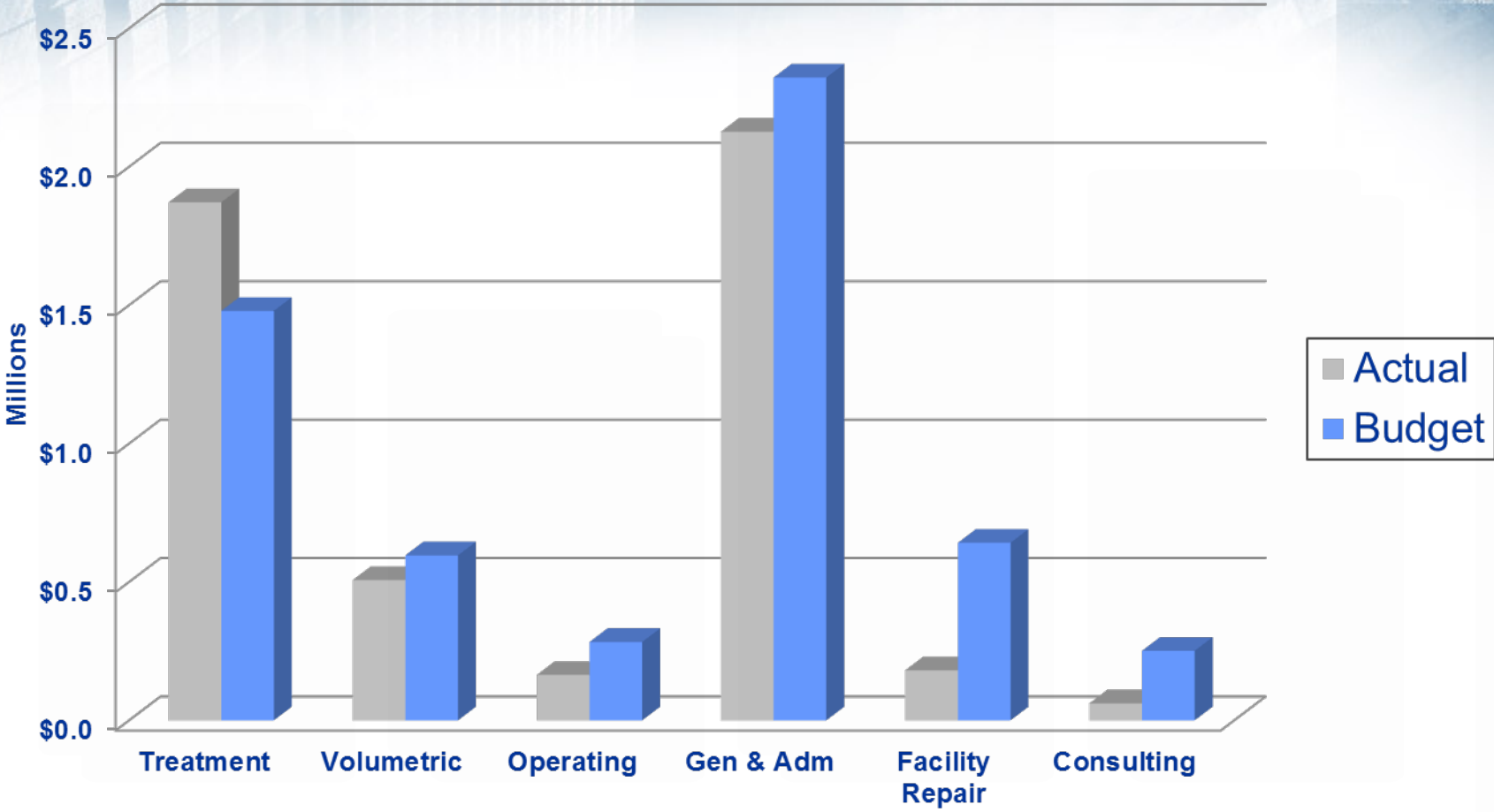
# Total Operating Expenses

<b>Source</b>	<b>Actual</b>	<b>Budget</b>	<b>Variance Positive/(Negative)</b>
Treatment Costs	(\$1,871,067)	(\$1,479,188)	(\$391,879)
Volumetric Costs	(506,593)	(596,063)	89,470
Operating Costs	(164,239)	(283,125)	118,886
General & Administration	(2,126,622)	(2,322,340)	195,718
Facility Repair & Maintenance	(180,504)	(641,250)	460,746
Consulting & Professional Services	(61,262)	(251,250)	189,988
<b>Total Operating Expenses</b>	<b>(\$4,910,286)</b>	<b>(\$5,573,213)</b>	<b>\$662,927</b>



# Operating Expenses vs. Budget

## Budget vs. Actual



# Enterprise Performance

## Flow, BOD, TSS Actual vs. OCSD Billing

	SAWPA Billed	OCSD Billing	Difference
<b>Total Flow (MG)</b>	<b>2,893.364</b>	<b>2,892.010</b>	<b>1.354</b>
<b>Total BOD (1,000 lbs)</b>	<b>1,358.801</b>	<b>1,267.425</b>	<b>91.376</b>
<b>Total TSS (1,000 lbs)</b>	<b>4,297.620</b>	<b>3,915.291</b>	<b>382.329</b>
<b>BOD cost per 1,000 lbs</b>	<b>\$307.00</b>	<b>\$278.14</b>	<b>\$28.86</b>
<b>TSS cost per 1,000 lbs</b>	<b>\$429.00</b>	<b>\$387.85</b>	<b>\$41.15</b>

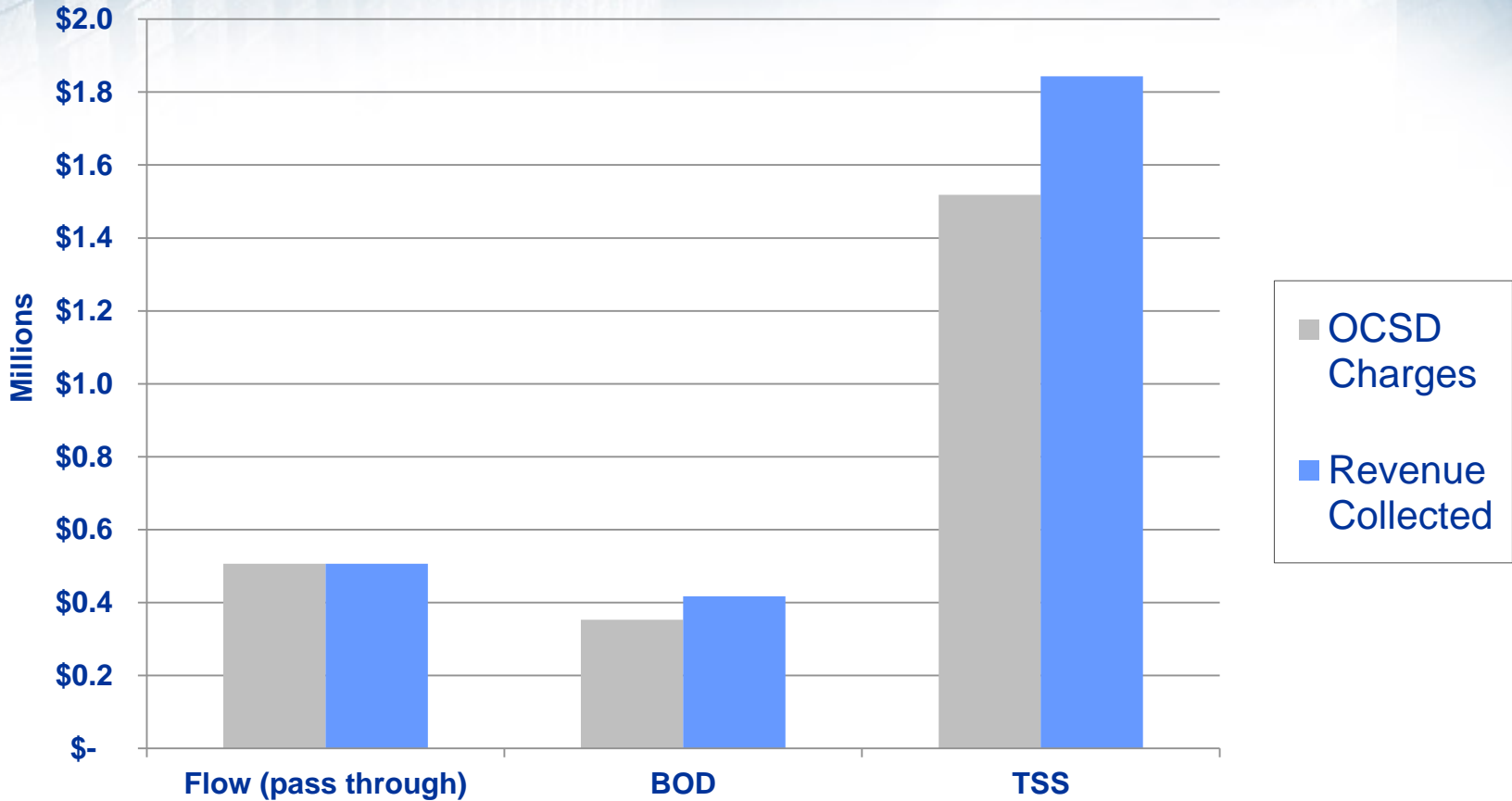
# Enterprise Performance

## OCSD Flow, BOD & TSS Charges vs. Revenue Billed

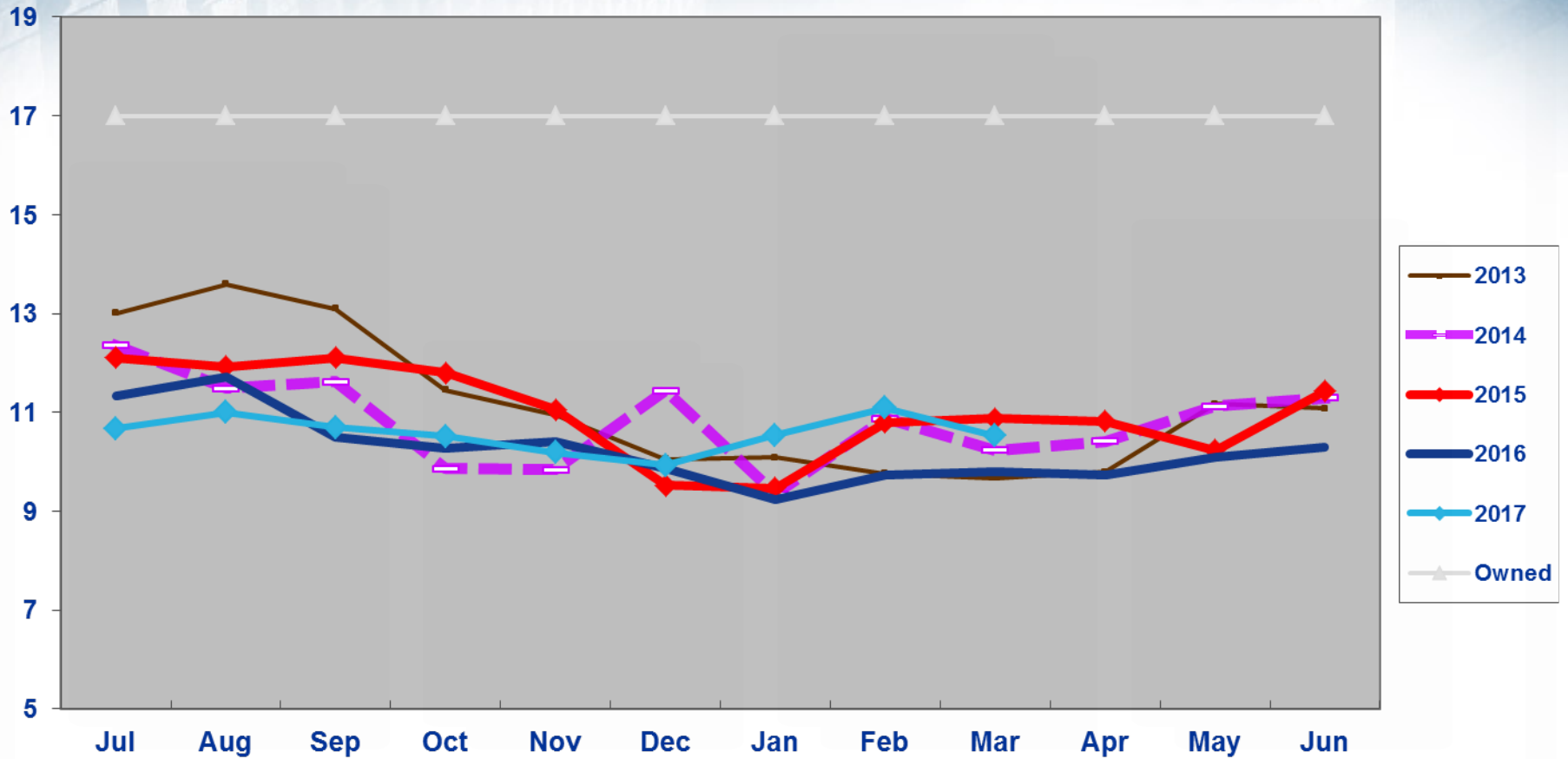
	Revenue Billed	OCSD Charges	Difference
Flow (pass through)	\$506,831	\$506,593	\$238
BOD	417,152	352,521	64,631
TSS	1,843,679	1,518,546	325,133
TD Allowance	20,619	0	20,619
Total	\$2,788,281	\$2,377,660	\$410,621

# Enterprise Performance

## OCSD Flow, BOD & TSS Charges vs. Revenue Collected

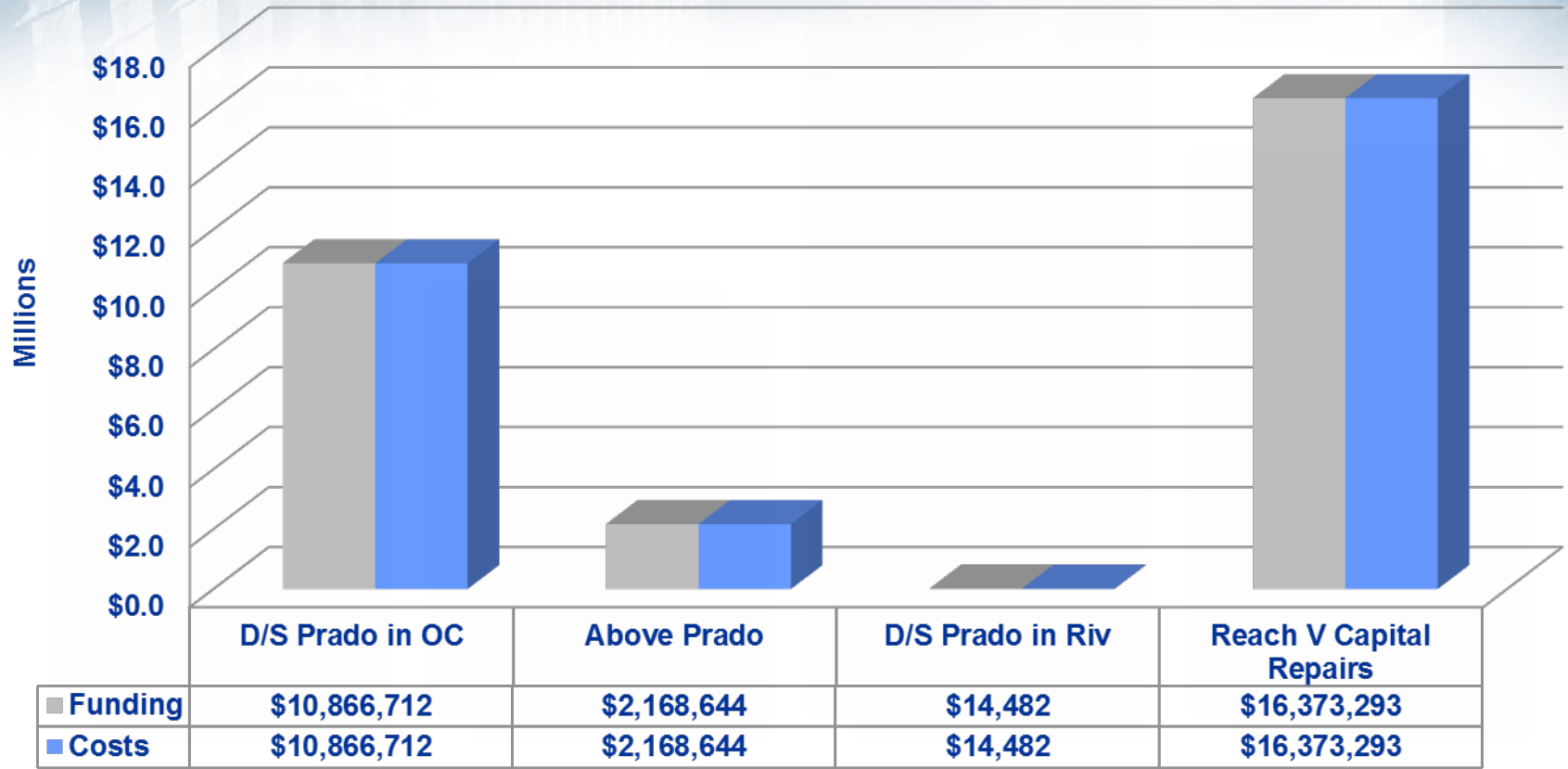


# Average Daily Flow by Month



# Capital Project Fund

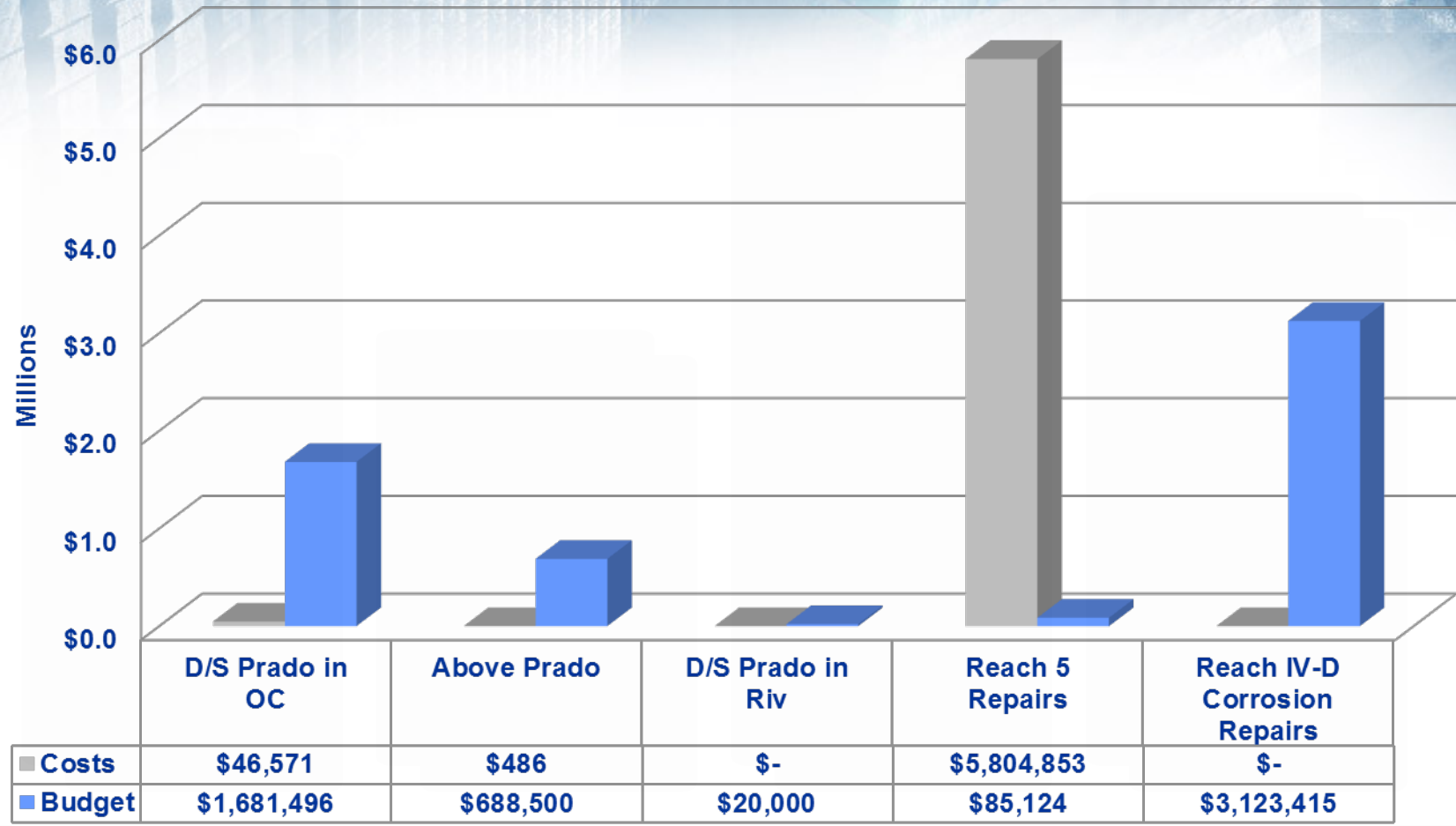
## Costs (Project to Date) vs. Funding



Funding = Reserves and SRF Loans

# Capital Project Fund

## Costs vs. Budget



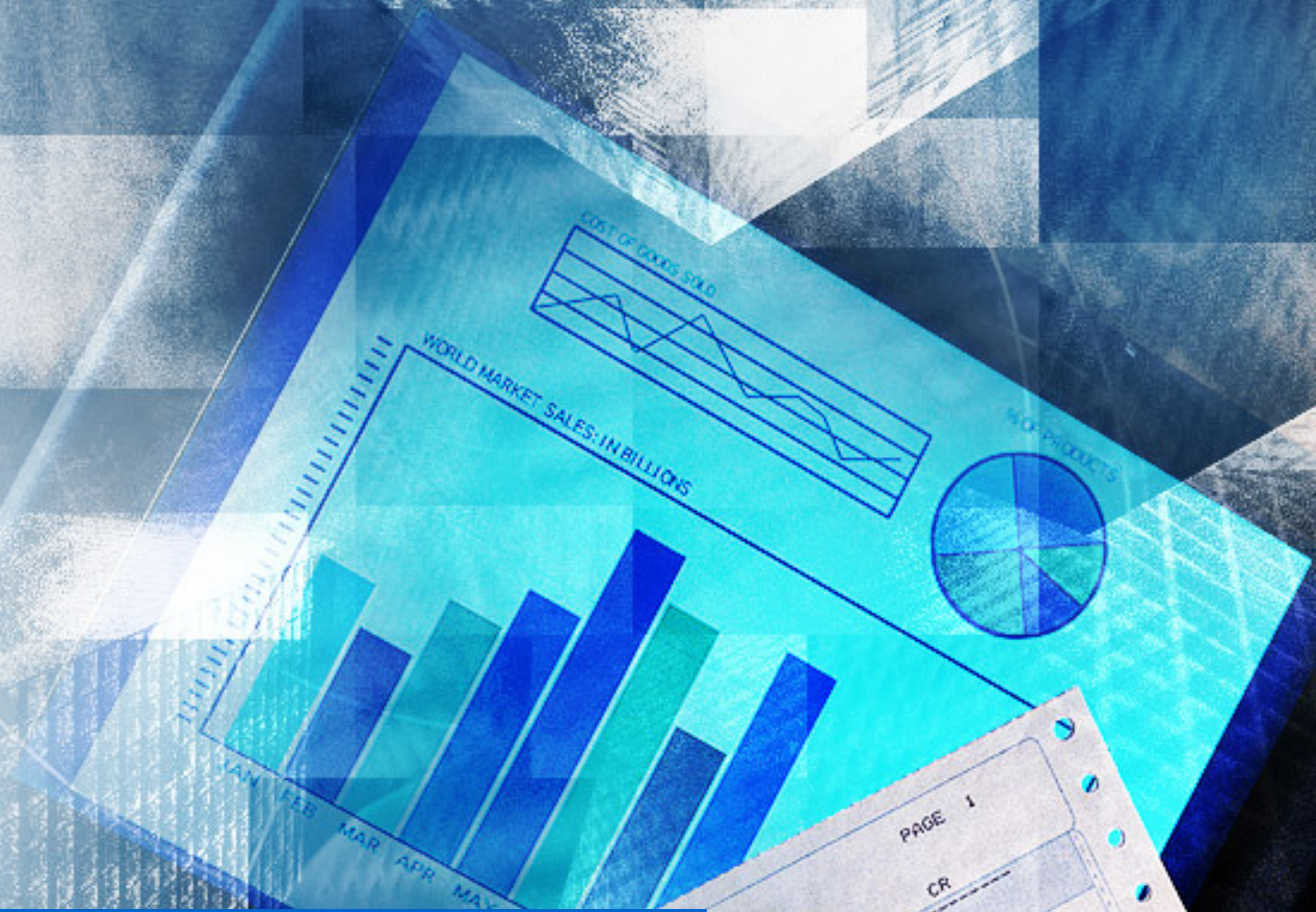
# Capital Project Fund (320)

## Brine Line Protection / Relocation Projects

- **D/S Prado in OC – emergency protection work, pipeline relocation**
- **Above Prado - pipeline relocation and manhole lid adjustments – when required**
- **D/S Prado in Riv County – bank armoring**

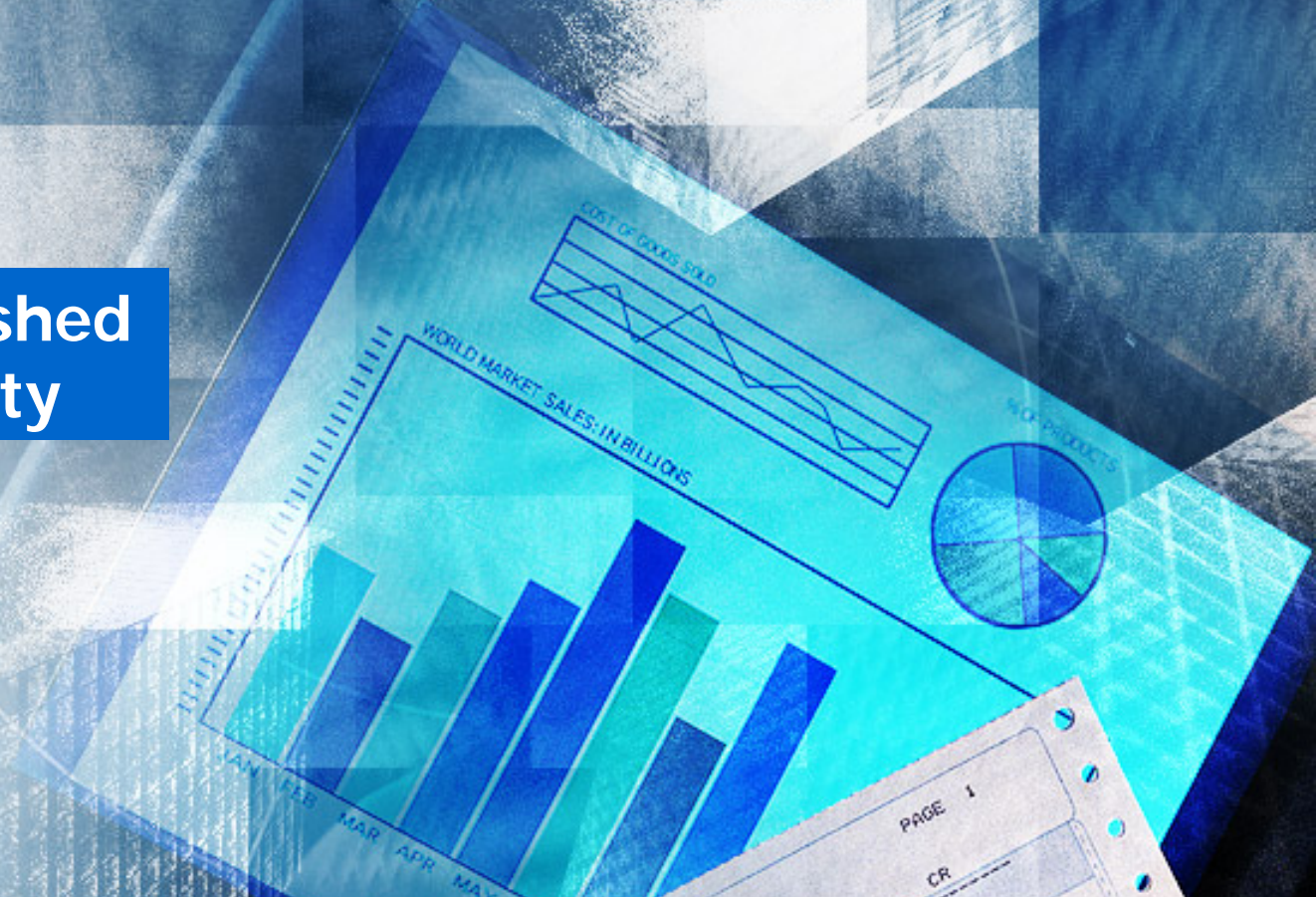


# Questions ?



# Santa Ana Watershed Project Authority

## Financial Report for the 3rd Quarter Ending March 31, 2017



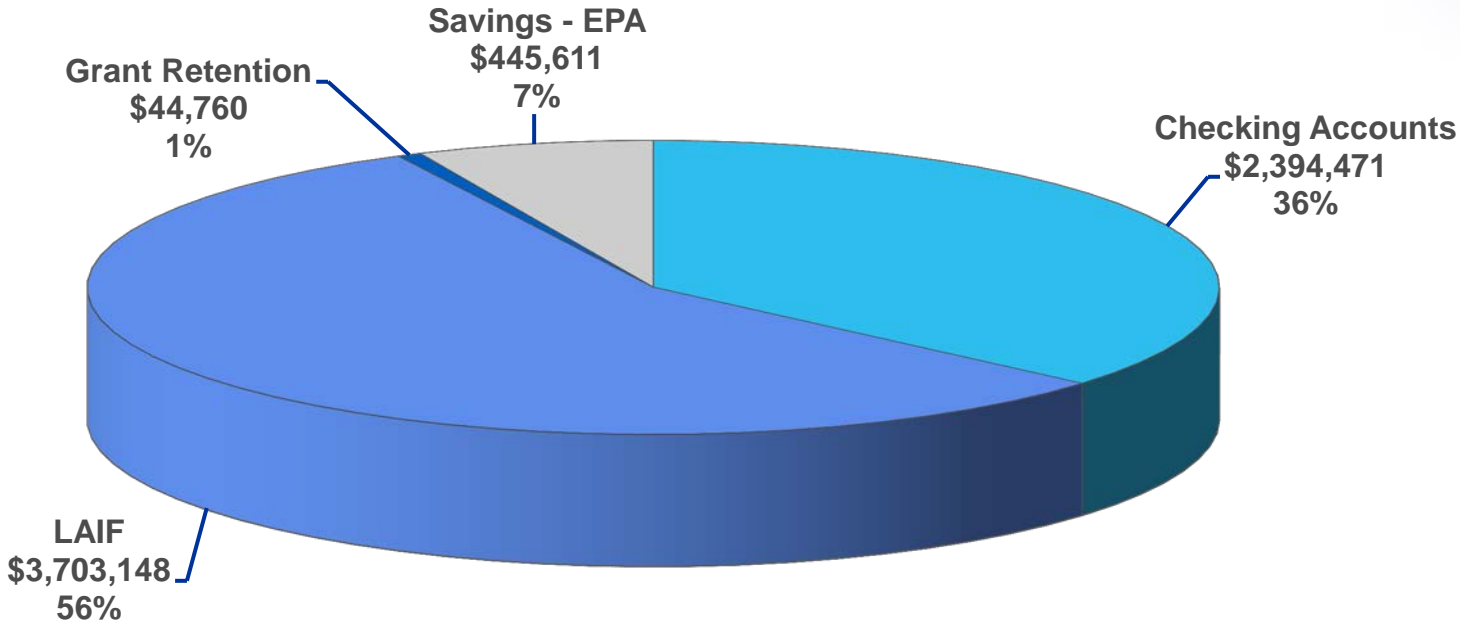
# Agenda

The background features a collage of financial data visualizations. In the upper right, there is a 3D bar chart with five blue bars of varying heights. To its right is a pie chart with several segments. Below these, there are overlapping images of documents and spreadsheets, some with grid lines and text like 'PAGE 1' and '100' visible. The overall color scheme is light blue and white.

- **Cash & Investments**
- **Fund Overview**
- **General Fund**
- **OWOW Funds**
- **Roundtable Funds**

# Cash & Investments

**\$6,587,990**



# Cash & Investments

## Total by Fund

General Fund	\$3,211,266
OWOW Fund	628,753
Roundtable Fund	2,257,600
Fiduciary Fund	490,371
Total	\$6,587,990

# Cash & Investments

## General Funds

<b>Fund</b>	<b>Checking (Cash)</b>	<b>LAIF Account</b>	<b>Total</b>
<b>General Fund</b>	<b>\$2,394,471</b>	<b>\$0</b>	<b>\$2,394,471</b>
<b>Building Reserve</b>	<b>0</b>	<b>816,795</b>	<b>816,795</b>
<b>Total</b>	<b>\$2,394,471</b>	<b>\$816,795</b>	<b>\$3,211,266</b>

# Cash & Investments

## OWOW Funds

<b>Fund</b>	<b>LAIF Account</b>	<b>Total</b>
<b>General Basin Planning</b>	<b>\$137,465</b>	<b>\$137,465</b>
<b>USBR Partnership Studies</b>	<b>21,901</b>	<b>21,901</b>
<b>Watershed Mgmt Plan</b>	<b>148,219</b>	<b>148,219</b>
<b>Water – Energy DAC Grant</b>	<b>321,168</b>	<b>321,168</b>
<b>Total</b>	<b>\$628,753</b>	<b>\$628,753</b>

# Cash & Investments

## Roundtable Funds

Fund	LAIF Account	Total
Imported Water Recharge	\$12,053	\$12,053
Basin Monitoring	623,745	623,745
RWQ Monitoring TF	135,464	135,464
SAR Fish Conservation	188,674	188,674
Middle SAR TMDL TF	242,096	242,096
Emerging Constituents TF	95,835	95,835
Mitigation Banking	959,733	959,733
<b>Total</b>	<b>\$2,257,600</b>	<b>\$2,257,600</b>



# Cash & Investments

## Fiduciary Funds

Fund	LAIF Account	Savings EPA	Grant Retention	Total
Legal Defense Fund	\$0	\$445,611	\$0	\$445,611
Prop 13 – Grant Retention	0	0	44,760	44,760
<b>Total</b>	<b>\$0</b>	<b>\$445,611</b>	<b>\$44,760</b>	<b>\$490,371</b>

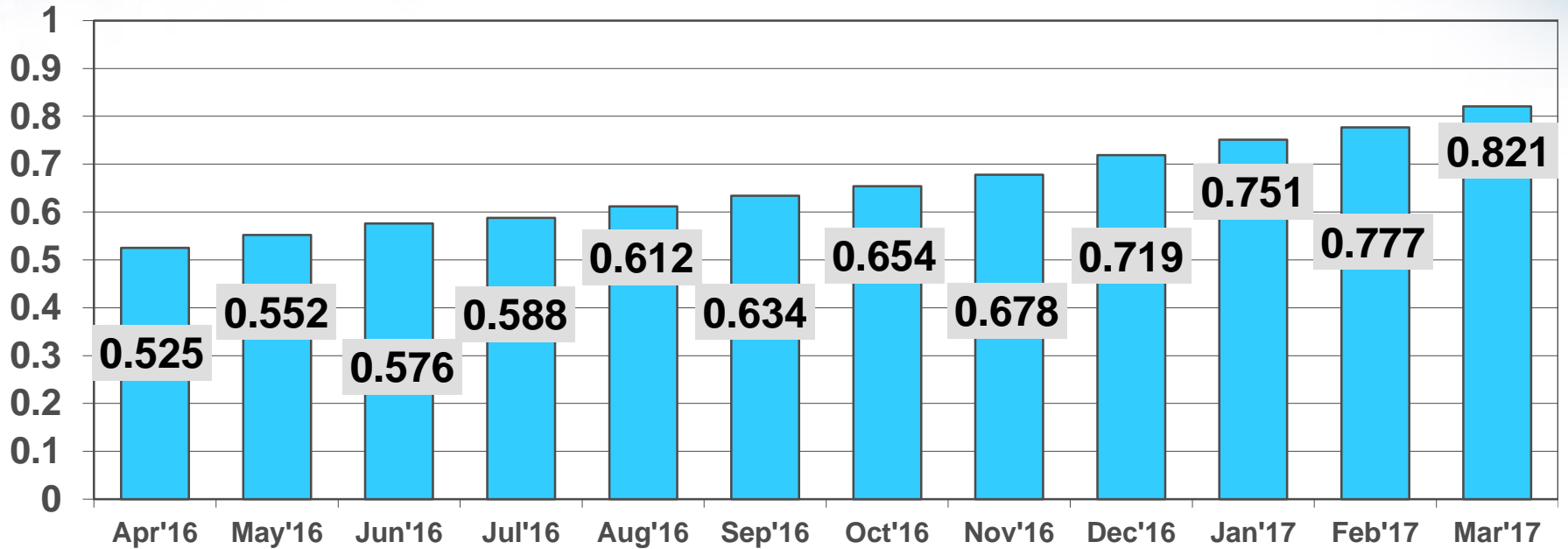
# Cash & Investments

## Grant Retention Balances

Agency	Project	Retention
City of Norco	Recycled Water Piping	\$44,760
	Total Retention	\$44,760

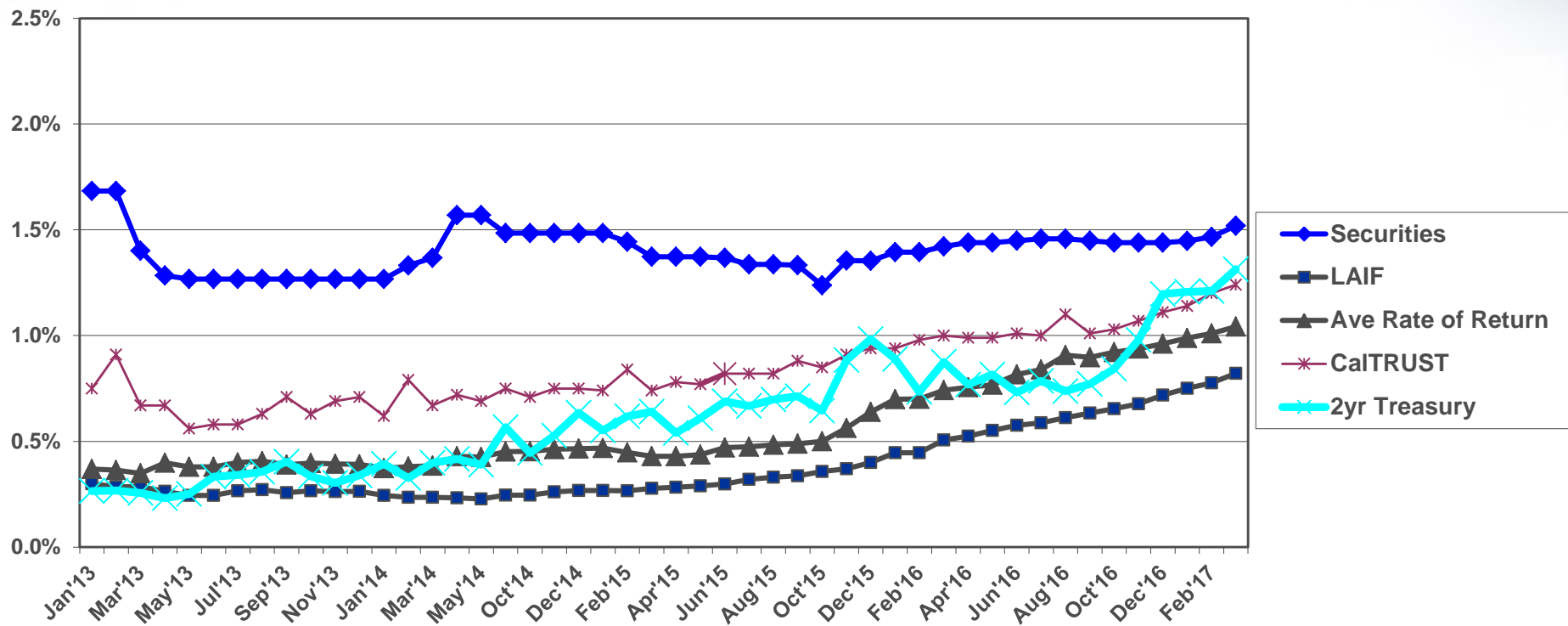
# Cash & Investments

## LAIF Interest Rates



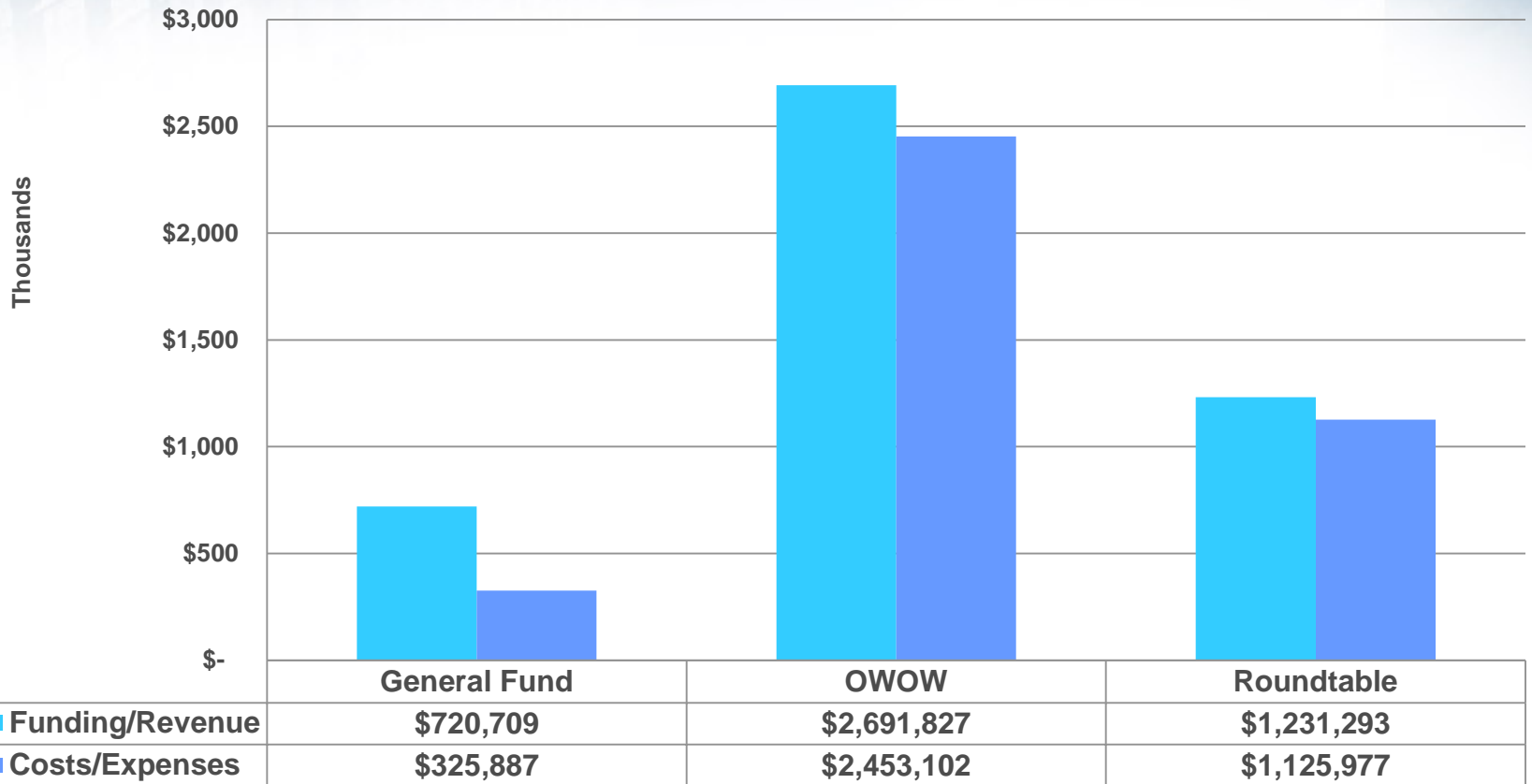
# Cash & Investments

## Interest Rate Comparison



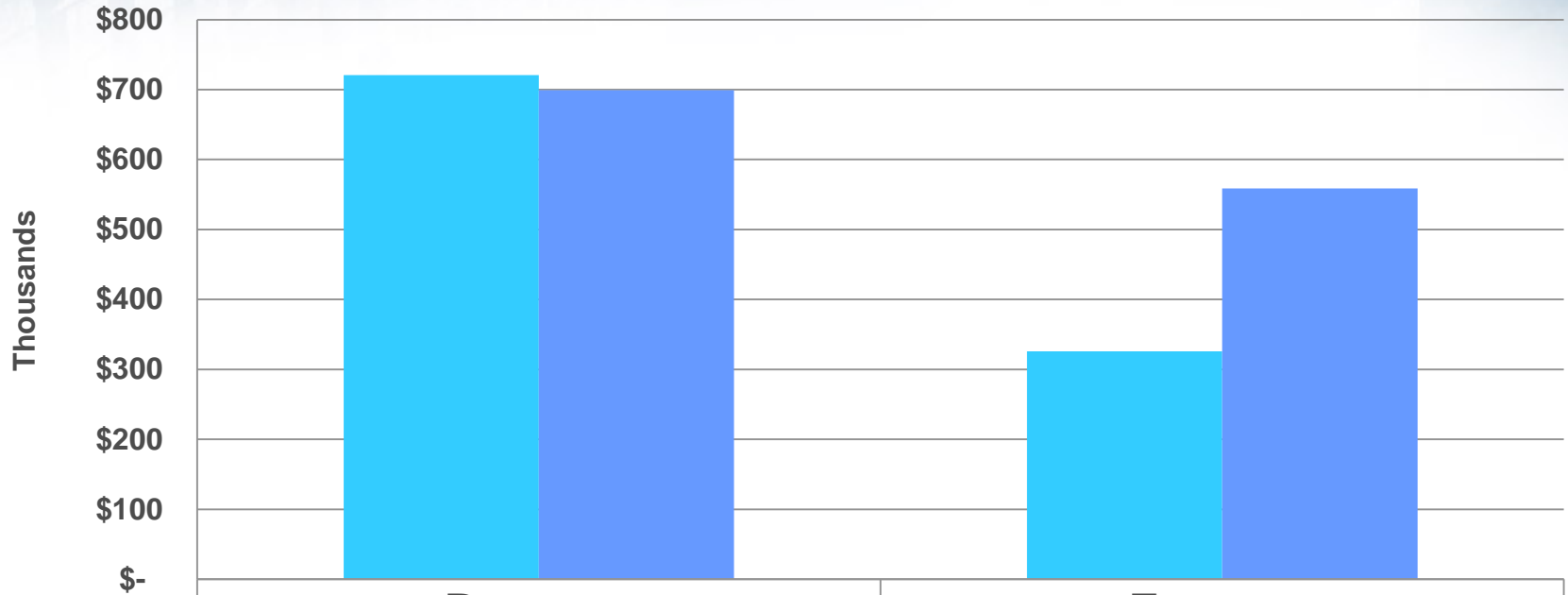
# Analysis by Fund Type

## Revenues and Expenses



# General Fund

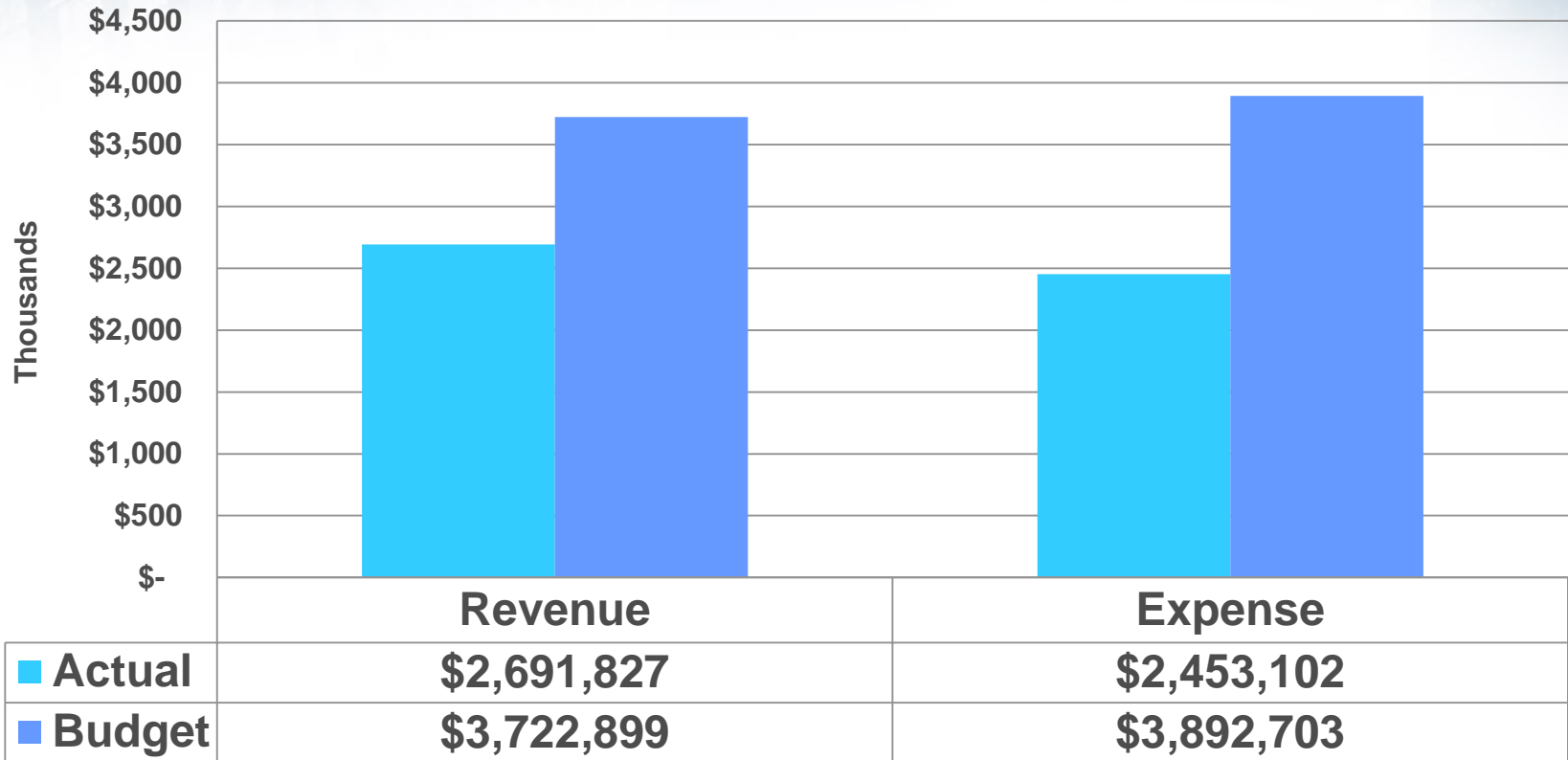
## Budget vs. Actual



	Revenue	Expense
Actual	\$720,709	\$325,887
Budget	\$699,307	\$558,596

# OWOW Funds

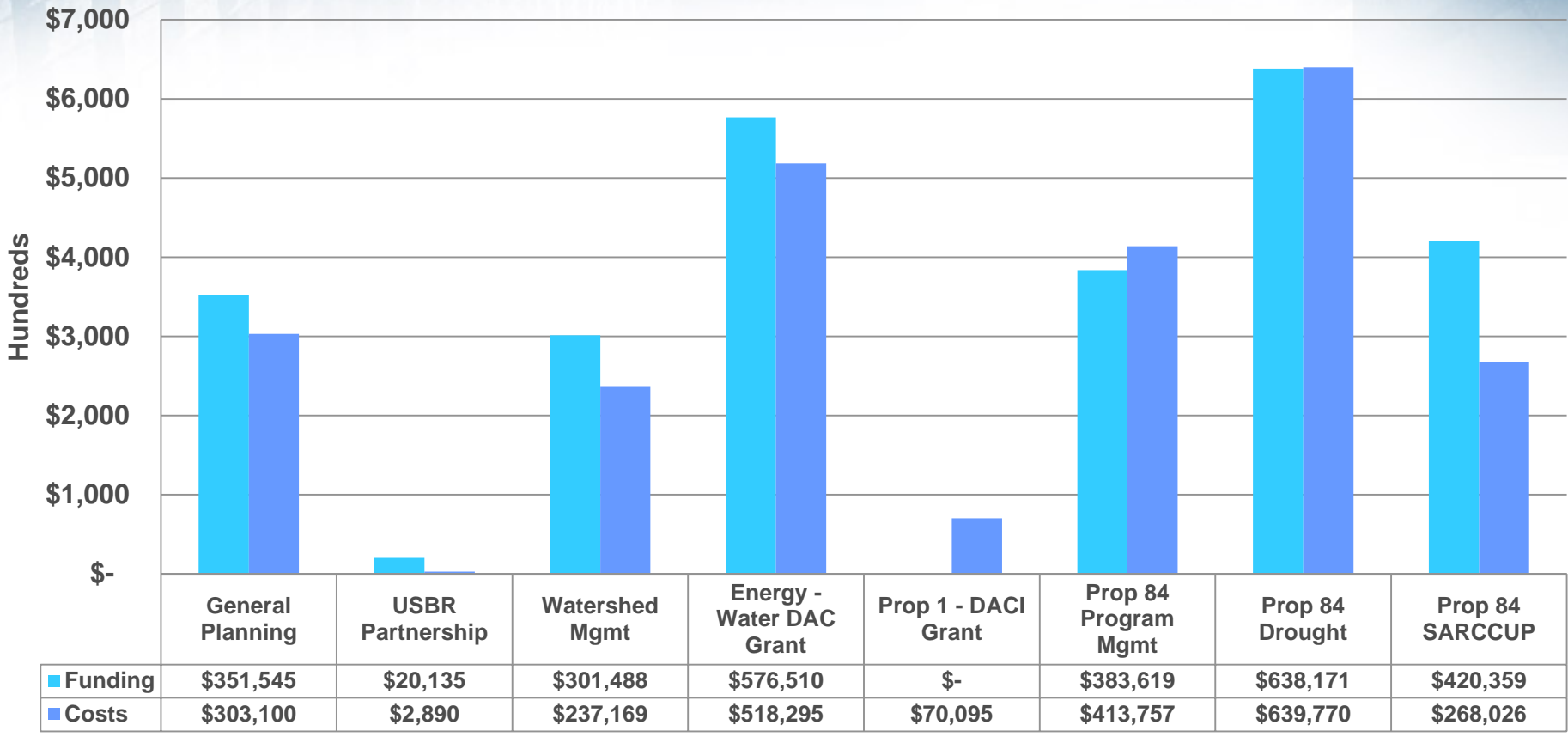
## Budget vs. Actual



Project Reimbursement (Prop 84) \$2,105,887

# OWOW Funds

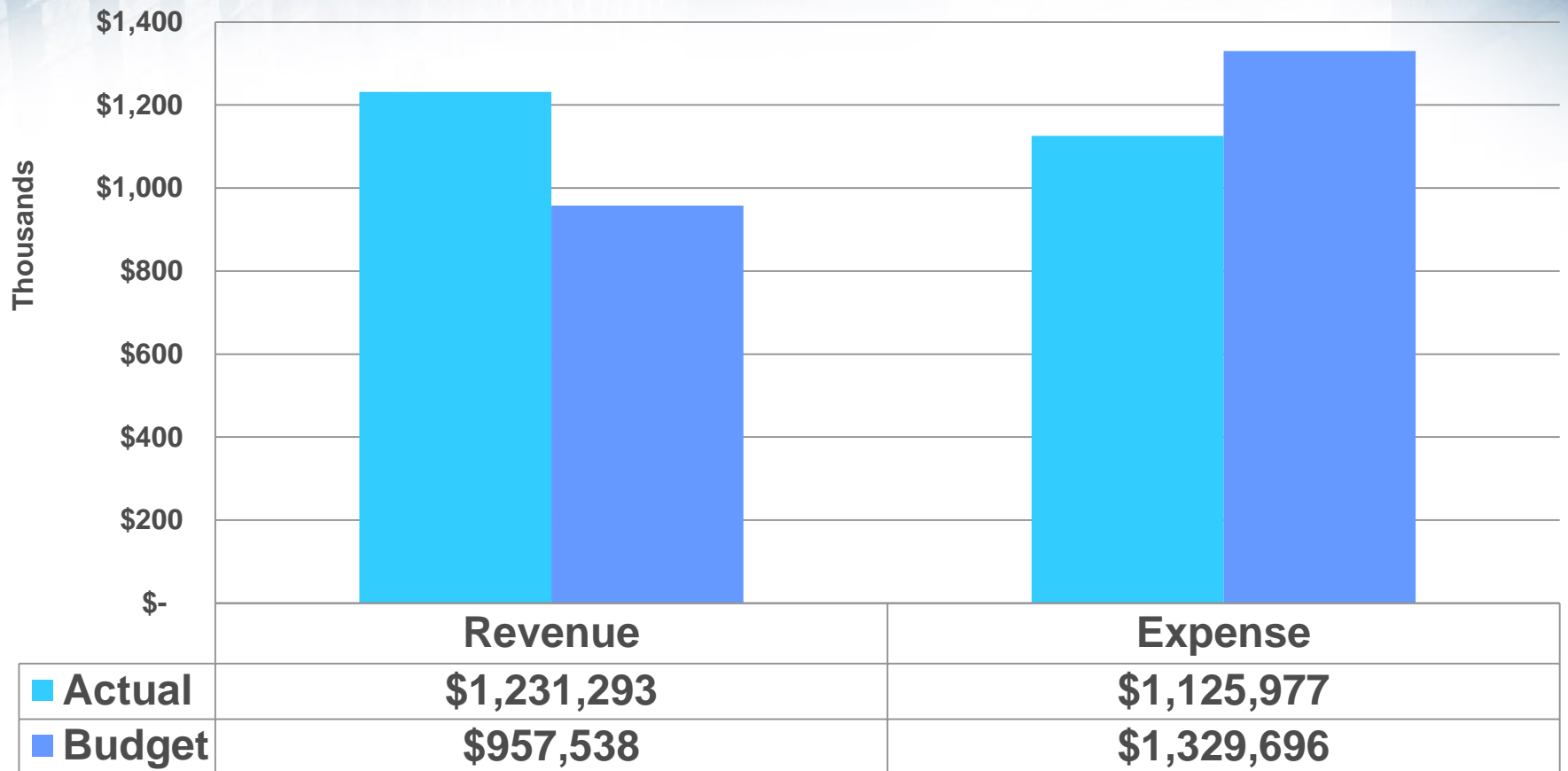
## Costs vs. Funding





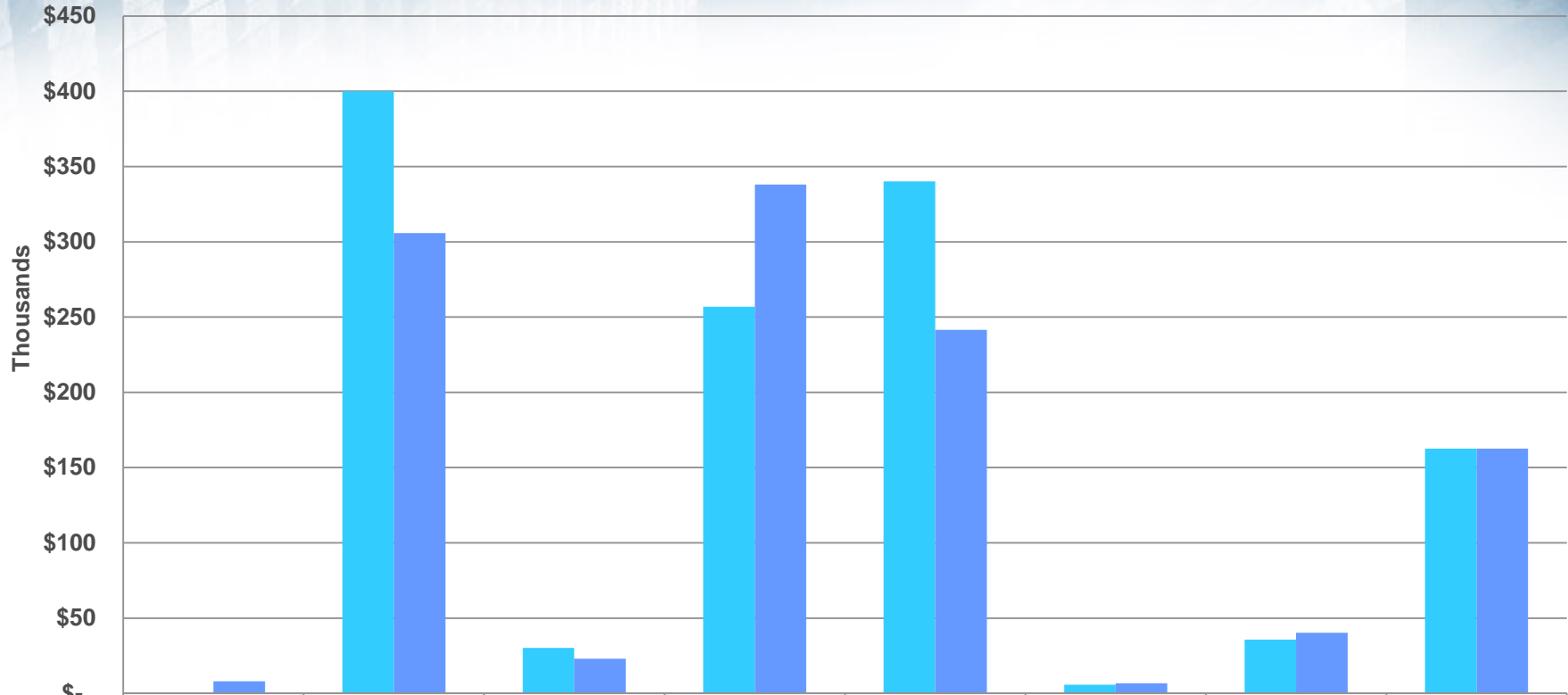
# Roundtable Funds

## Budget vs. Actual



# Roundtable Funds

## Costs vs. Funding



	Imported Water Recharge	Basin Monitoring	SAR Fish Conservation	Middle SAR TMDL TF	RWQ Monitoring TF	Arundo Removal	Emerging Constituents	LESJWA Admin
Funding	\$100	\$399,986	\$30,134	\$256,816	\$340,100	\$5,832	\$35,666	\$162,660
Costs	\$8,029	\$305,824	\$23,020	\$337,958	\$241,515	\$6,780	\$40,192	\$162,660

# Questions ?

