



Settlement Proceeds

# Options

1

Reduce Reach V Capital Repairs SRF Loan

2

Payoff Higher Interest SRF Loans

3

Contribute to Pipeline Replacement Reserves



# Option 1 – Reduce Current SRF Loan

	Loan Amount	Interest Rate	Term	Annual Payment	Total Interest Over Loan
Current SRF Loan	\$15,000,000	1.9%	30 Years	\$665,203	\$4,796,180
Reduced SRF Loan	\$13,925,000	1.9%	30 Years	\$628,518	\$4,354,347
<b>Difference</b>	<b>\$1,075,000</b>			<b>\$36,685</b>	<b>\$441,833</b>



# Option 1 – Reduce Current SRL Loan

- Would reduce debt service payments by \$36,685 each year for the life of the loan
- Would reduce the total interest paid on the loan by \$441,833
- Would need to do an amendment to the Agreement with the SWRCB



# Option 2 – Pay off Higher Interest Rate SRF Loans

Loan	Outstanding Balance	Interest Rate	Payment Amount	Interest Savings	Remaining Payments
TVRI Reach IV	\$435,337	2.9%	\$227,182	\$37,399	3
TVRI Reach II, III	\$774,174	2.6%	\$271,592	\$67,102	4
<b>Total</b>	<b>\$1,209,511</b>		<b>\$498,774</b>	<b>\$104,801</b>	



## Option 2 – Pay off Higher Interest Rate Loans

- Would reduce debt service by \$498,774 for the next 3 years and then by \$271,592 in 4 years
- Would save \$104,801 in interest paid
- Short-term benefit only



## Option 3 – Contribute to Reserves

- LAIF is paying 2.21%
- Would earn \$996,143 in interest over the life of the loan
- Could be used to fund the next Capital Improvement Project
- With rising interest rates, future SRF Loans will have higher interest rates



# Options

## Option 1

- Reduce debt service payments by \$36,685 for 30 years
- Save \$441,833 in interest over life of loan
- Long term benefits

## Option 2

- Reduce debt service payments for the next 4 years
- Save \$104,801 in interest
- Short term benefits

## Option 3

- Earn \$996,143 in interest over life of loan
- Use to reduce future debt service
- Use for future CIP





# Recommendation



# Recommendation

- Option 3 – Contribute to Pipeline Replacement/Repair Reserves





Questions?

Page Intentionally Blank

Inland Empire Brine Line  
Sewer System Management Plan  
(SSMP) Audit

SAWPA Commission

Item 5.B

December 18, 2018

# Sewer System Management Plan

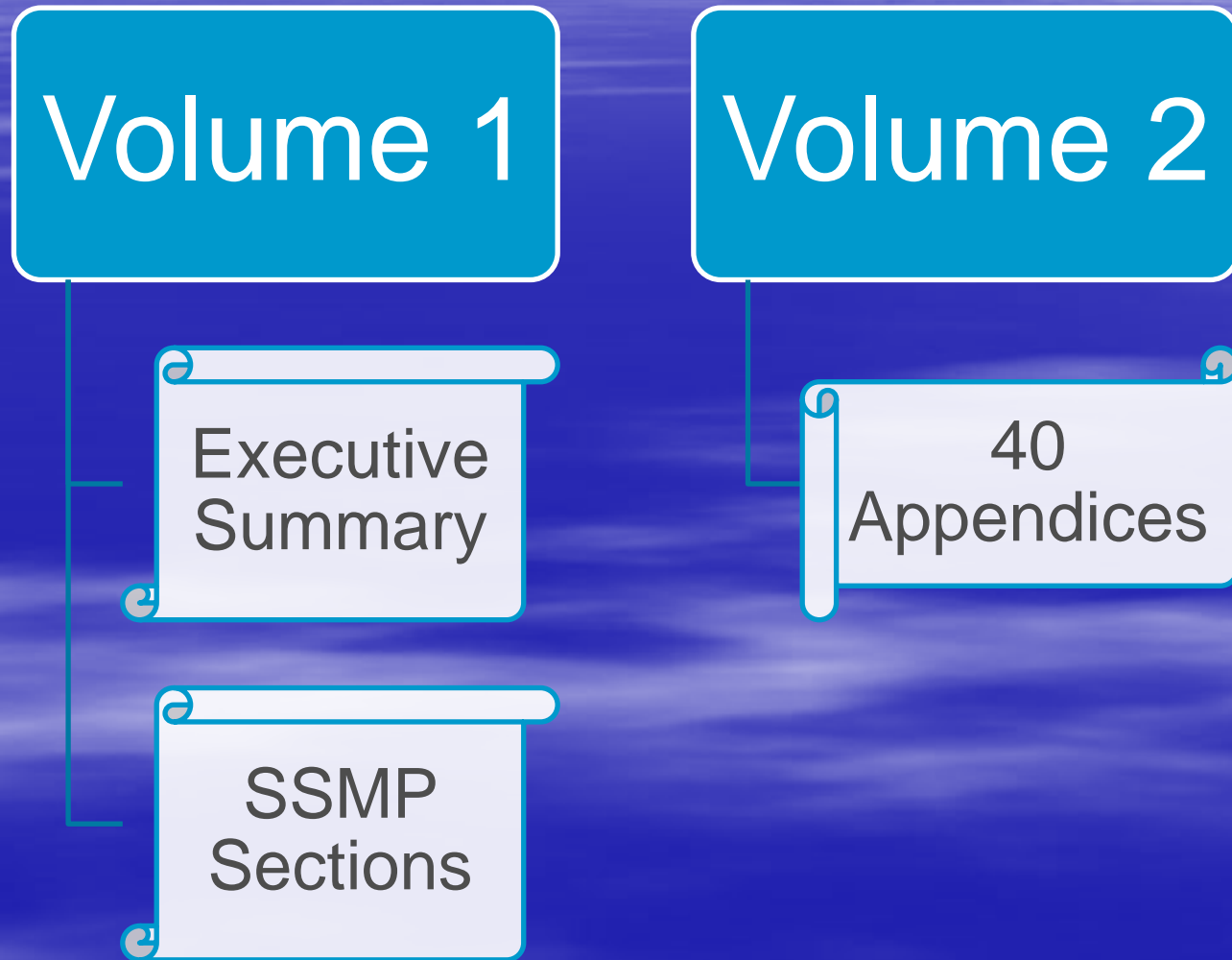
Recommendation to Commission:

- Receive and file

# Sewer System Management Plan

SSMP Sections	
Plan and Schedule	FOG Control Program
Goals and Organizational Structure	System Evaluation and Capacity Assurance Plan
Legal Authority	Monitoring, Measurement and Program Modifications
O&M Program	Program Audits
Design and Performance Standards	Communication Program
Overflow Emergency Response Plan	Certification

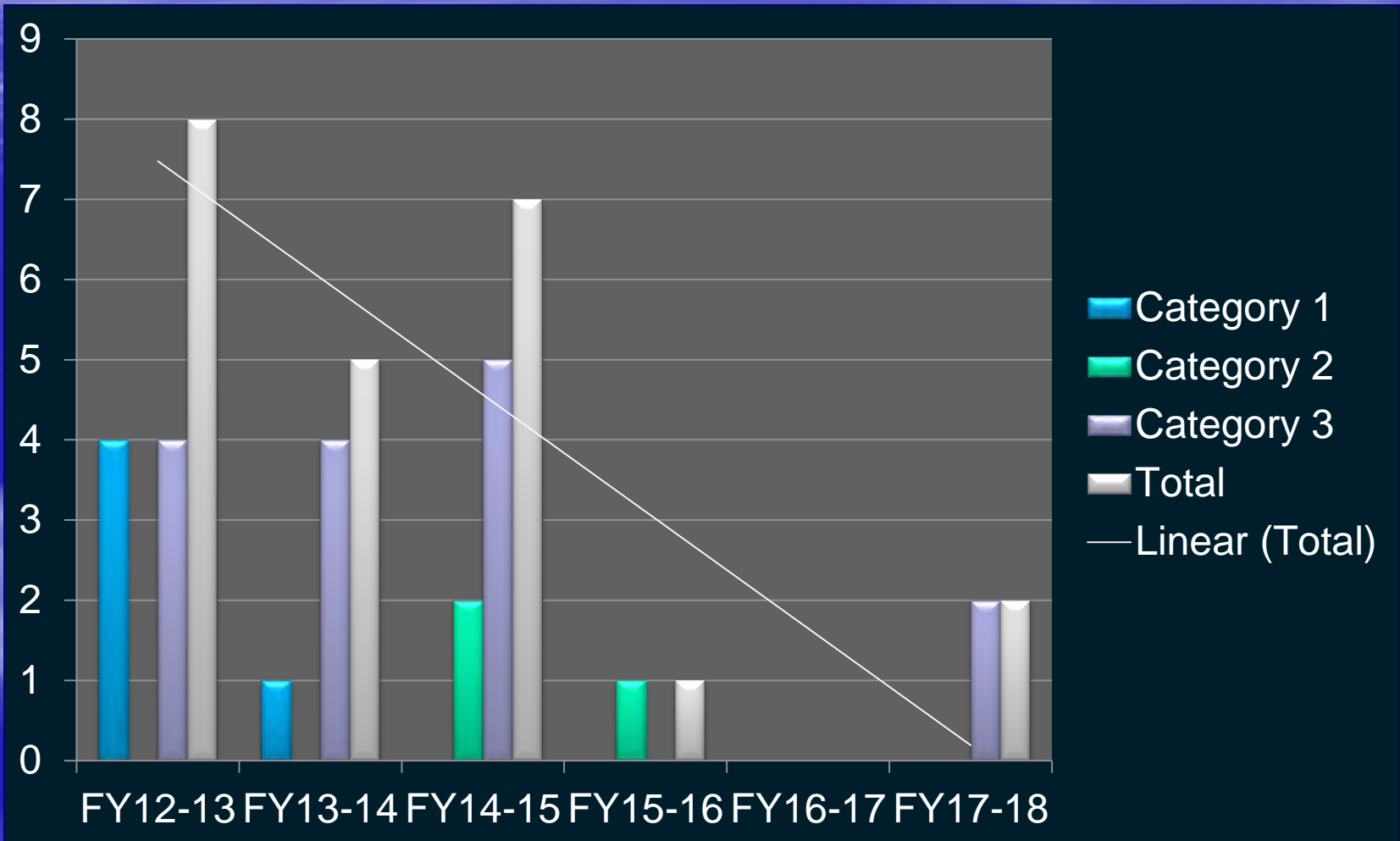
# SSMP Organization



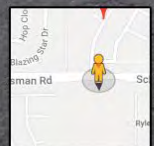


- SSMP Internal Audit
  - Based on review of the SSMP sections
  - Major finding focuses on enhancing the Service Request tool
  - Second finding focuses on updating SSO module with data submitted to the State.
- Next major update: 2019

# SSO Summary



**Schleisman Rd**  
 Eastvale, California  
 Google, Inc.  
 Street View - Mar 2018



Google



# Sewer System Management Plan

Recommendation to Commission:

- Receive and file

# GIS Tools - DigAlert

The screenshot displays the DigAlert web application interface. On the left is a navigation menu with categories like Brine Line Tools, LandUse, Service Area, Charts, Record Drawings, DigAlert, Mark, Find, ReOpen, Summary, Work Hours, Inspections, Open/Close, Service Requests, Equipment, Easements, SSO, and Facility Status. The main area features a map with a blue line representing a utility route and a red rectangle highlighting a specific area. A 'Mark Ticket' form is overlaid on the map, containing fields for ID, Ticket, Date Rcvd, Type, Action Required, Mark Type, and various input fields for system and marking information. On the right, a 'UnMarked Tickets' panel shows a table of tickets with columns for CO, Priority, Type, ID, Ticket, Address, Date Rcvd, Respond By, and Company. The table lists several tickets, with some rows highlighted in yellow. Below the table, it indicates 'No Tickets: 15' and 'No Update Tickets: 0'. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the time as 8:47 AM on 12/17/2018.

**Mark Ticket Form:**

ID	Ticket	Date Rcvd	Type
35140	A183451305	12/11/18	NEW

**Action Required:** YES - Mark in Field or No Conflict  
**Mark Type:**  Marked in Field  No Conflict  Cancel

**Input System Information:**

Select Reach: [Dropdown] Lateral:  Yes  No  
 Select LineType: [Dropdown] Diam (in): [Text] Length (ft): [Text]  
 MAS: [Text]  
 A/V: [Text]  
 B/O: [Text]

**Input Marking Information**  
**Complete and Submit**

**UnMarked Tickets Table:**

CO	Priority	Type	ID	Ticket	Address	Date Rcvd	Respond By	Company
	NORM	NEW	33567	<a href="#">A181780813</a>	W AGUA MANSA RD	06/27/2018 12:13 PM	06/29/2018 5:01 PM	BOUDREAU PIPELINE
	NORM	NEW	35138	<a href="#">B183450050</a>	TEMESCAL CANYON RD	12/11/2018 11:22 AM	12/13/2018 5:01 PM	ALCORN FENCE COMPANY
	NORM	NEW	35140	<a href="#">A183451305</a>	TEMESCAL CANYON RD	12/11/2018 2:38 PM	12/13/2018 5:01 PM	RIVERSIDE COUNTY TRANSPORTA DEPT
	NORM	NEW	35142	<a href="#">A183451539</a>	TEMESCAL CANYON RD	12/11/2018 3:51 PM	12/13/2018 5:01 PM	BEADOR CONSTRUCTI COMPANY, INC
	NORM	NEW	35143	<a href="#">A183451552</a>	TEMESCAL CANYON RD	12/11/2018 3:56 PM	12/13/2018 5:01 PM	BEADOR CONSTRUCTI COMPANY, INC
	NORM	RXMT	35144	<a href="#">A183451539</a>	TEMESCAL CANYON RD	12/11/2018 4:00 PM	12/13/2018 5:01 PM	BEADOR CONSTRUCTI COMPANY, INC

No Tickets: 15      No Update Tickets: 0      [Clear Update Tickets](#)

# GIS Tools – MAS Inspections

The screenshot displays a web-based GIS application interface. The browser address bar shows the URL [www.sawpa.net/sari/sari.htm](http://www.sawpa.net/sari/sari.htm). The interface includes a sidebar menu on the left, a central map area, and a data table on the right.

**Sidebar Menu:**

- Brine Line Tools
  - LandUse
  - Service Area
  - Charts
  - Record Drawings
  - DigAlert
  - Mark
  - Find
  - ReOpen
  - Summary
  - Work Hours
  - Inspections
    - MAS
    - MAS View**
    - AV
    - AV View
    - BO
    - BO View
    - Reach
    - Reach View
    - Work Hours
  - Open/Close
  - Service Requests
  - Equipment
  - Easements
  - SSO
  - Facility Status

**Map Area:** The map shows a network of roads including Riverside Hwy, BNSF RR, and various local streets like Quarry St and Walker Ln. A red line with circular markers represents MAS inspection points, labeled with IDs such as 4B-0540, 4B-0550, 4B-0560, 4B-0570, 4B-0580, 4B-0590, 4B-0600, 4B-0610, 4B-0620, 4B-0630, 4B-0640, 4B-0650, 4B-0660, 4B-0670, 4B-0680, 4B-0690, and 4B-0700.

**View MAS Inspections Panel:**

IVB: [Dropdown]  
Start Date: 1/1/2018  
End Date: 12/31/2018  
[Find]

ID	MAS	Date
656	4B-0510	2/01/2018
658	4B-0520	2/01/2018
657	4B-0530	2/01/2018
630	4B-0535	1/29/2018
629	4B-0538	1/29/2018
656	4B-0540	2/01/2018
656	4B-0550	1/31/2018
654	4B-0560	1/31/2018

City of Corona, County of Riverside, San Bernardino County, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, ...

# GIS Tools – AV Inspection

The screenshot displays a web-based GIS application interface. The browser address bar shows the URL [www.sawpa.net/sari/sari.htm](http://www.sawpa.net/sari/sari.htm). The interface is divided into several sections:

- Left Sidebar:** A list of tool categories including Brine Line Tools, LandUse, Service Area, Charts, Record Drawings, DigAlert, Mark, Find, ReOpen, Summary, Work Hours, Inspections, MAS, MAS View, AV, AV View, BO, BO View, Reach, Reach View, Work Hours, Open/Close, Service Requests, Equipment, Easements, SSO, and Facility Status.
- Main Map Area:** A topographic map showing a route of inspection points. The route is marked with red and green dots and connected by a blue line. Key locations include Park Canyon, Estelle Mountain, Lee Lake, and Indian Canyon. Roads shown include Coronado Fwy, De Pallas Rd, and Walker Canyon Rd.
- Right Panel:** A 'Filter' section with a dropdown menu set to 'AV Inspections'. Below it is a 'Download Summary Report' button and a table of inspection data.

ID	AV	Date
199	AV-0030	1/02/2018
200	AV-0050	1/03/2018
201	AV-0070	1/02/2018
202	AV-0080	1/02/2018
203	AV-0090	1/04/2018
204	AV-0120	1/04/2018
205	AV-0160	1/17/2018
206	AV-0260	1/17/2018
207	AV-0270	1/17/2018
208	AV-0250	1/18/2018
...	...	...

At the bottom of the map, the text reads: "County of Riverside, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, MET/NASA, EPA, USDA". The Esri logo is visible in the bottom right corner of the map area.

# Service Requests

www.sawpa.net/sari/sari.htm

Not secure | www.sawpa.net/sari/sari.htm

Brine Line Tools

- LandUse
- Service Area
- Charts
- Record Drawings
- DigAlert
- Inspections
- Open/Close
- Service Requests
- New
  - Approve
  - Update
  - View
  - Work Hours
- Equipment
- Easements
- SSO
- Facility Status

Basemaps

Service Request Type

Type: Building Maintenance

Building Maintenance

Brine

- CCTV Support
- Contractor Oversight/Coordination
- 1) SSO
  - Flow Meter Readings
  - General Pipe Maintenance
- 2) SSO
  - Line Cleaning Support
  - Office
  - Pipe Repair
  - Potholing
  - Pretreatment Facility Inspection
- 3) SSO
  - Right-of-Way Maintenance
  - SSO Response
  - Service Contract Supervision
  - Valve Exercising (Main-line valves)
  - Water Quality Sample Collection

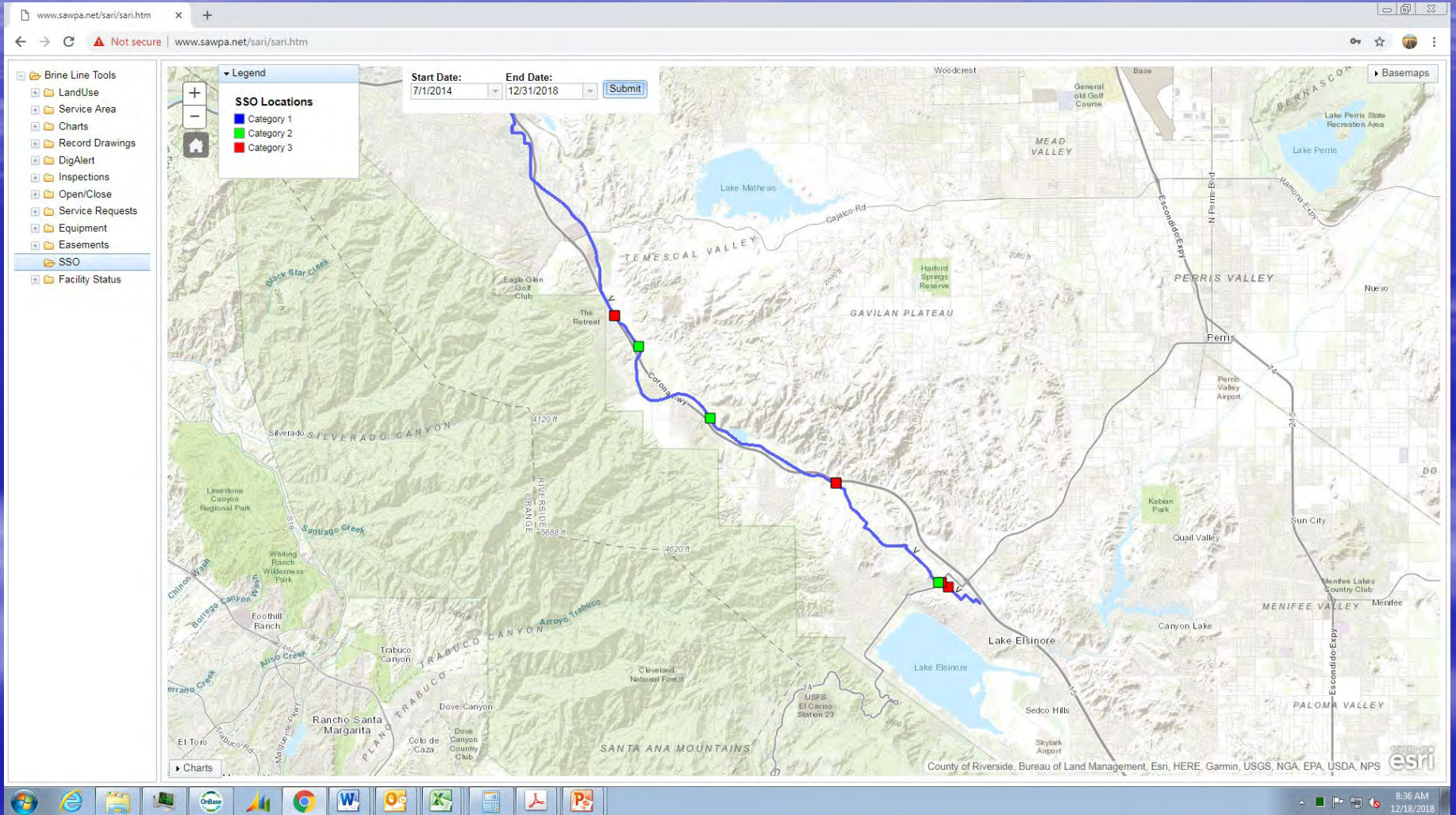
Pre-Treatment Facility

Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

1:53 PM  
12/17/2018



# SSO Summary



# Sewer System Management Plan

- Strategic Goals

- Facilitate water supply through groundwater desalting and protecting watershed resources
- Manage and operate the Brine Line in an environmentally and sustainable way
- Provide adequate capacity for existing and projected future customers
- Continue to improve Brine Line planning and operations



# **Santa Ana Watershed Project Authority**

## **Emerging Constituents Program Task Force Status**

**Mark R. Norton PE, LEED AP  
Santa Ana Watershed Project  
Authority**

**December 18, 2018**

In 2006, a voluntary agreement was established between regulators and regulated community in place of a new regulation



# Development of Sampling Program



# Consultant and Regulatory Support

- Tim Moore, Risk Sciences
  - Facilitation
  - Media Interaction
  - Regional Bd Presentations
- SAWPA
  - Workgroup administrator
  - Media Interaction
- Regional Board, DPH and USGS at table



# 21 Water & Wastewater Agencies and Regional Board Sign Agreement to Sample ECs

Who participates:

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



# Emerging Constituents (EC) Program Task Force

*SAWPA authorized TF agreement - 2012*

## Description

- Complies with Regional Board Resolution under Cooperative Agreement for Imported Water Recharge
- Completed 2010-2013 Voluntary Annual Sampling reports for emerging constituents
- Implements safe tap water public outreach program based on SAWPA commission direction to respond to Environmental Working Group misinformation

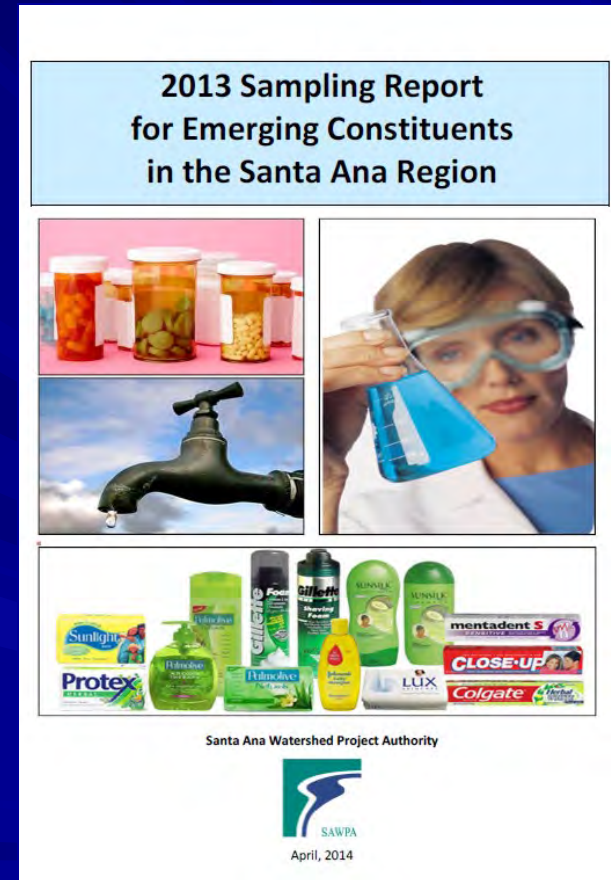
## Benefits

- Assisted state and federal agencies in determining most effective measuring and detection practices
- Avoided need to conduct long term EC monitoring costs on 100s of other ECs
- Watershed evaluation of ECs helped frame discussion on ECs at State level to our benefit
- Corrects misinformed media exposure through outreach

**Budget:** \$32,500 (FYE 2019)

**Funding** Task Force Agency

**Source:** Contributions





# EC Sampling Locations

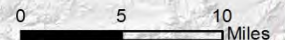


Los Angeles

San Bernardino

Orange

Riverside



# EC Sampling Program conducted from 2010-2013

Table 1: Summary of Results for 26 Samples Analyzed in 2013

Compound	Primary Use	Frequency of Detection	Reported Range <sup>2</sup>	Common Dose
Caffeine	Food Additive	42% (11 of 26)	ND – 0.000407 mg/L	100 mg
DEET <sup>3</sup>	Insecticide	81% (21 of 26)	ND – 0.000270 mg/L	270 mg
17 $\beta$ Estradiol	Natural Hormone	0% (0 of 26)	Never Detected	1 mg
Gemfibrozil	Anti-cholesterol	31% (8 of 26)	ND – 0.002000 mg/L	600 mg
Iopromide	Xray Contrast Agent	58% (15 of 26)	ND – 0.000680 mg/L	500 mg
Sucralose	Artificial Sweetener	100% (26 of 26)	0.000670 - 0.100000 mg/L	5,000 mg
Triclosan	Antiseptic	58% (15 of 26)	ND – 0.001000 mg/L	1 mg

Note: "mg/L" = milligram per Liter; 1 mg/L is one part per million. "ND" = Not Detected.

One part per trillion (ppt) = one single drop in about 20 Olympic sized swimming pools

## What's a nanogram?

A nanogram is one one-billionth of a gram. In liquid, nanograms are measured by parts per trillion (ppt).

An olympic-sized swimming pool holds at least 660,000 U.S. gallons of water:

6 feet,  
7 inches  
(2 meters)

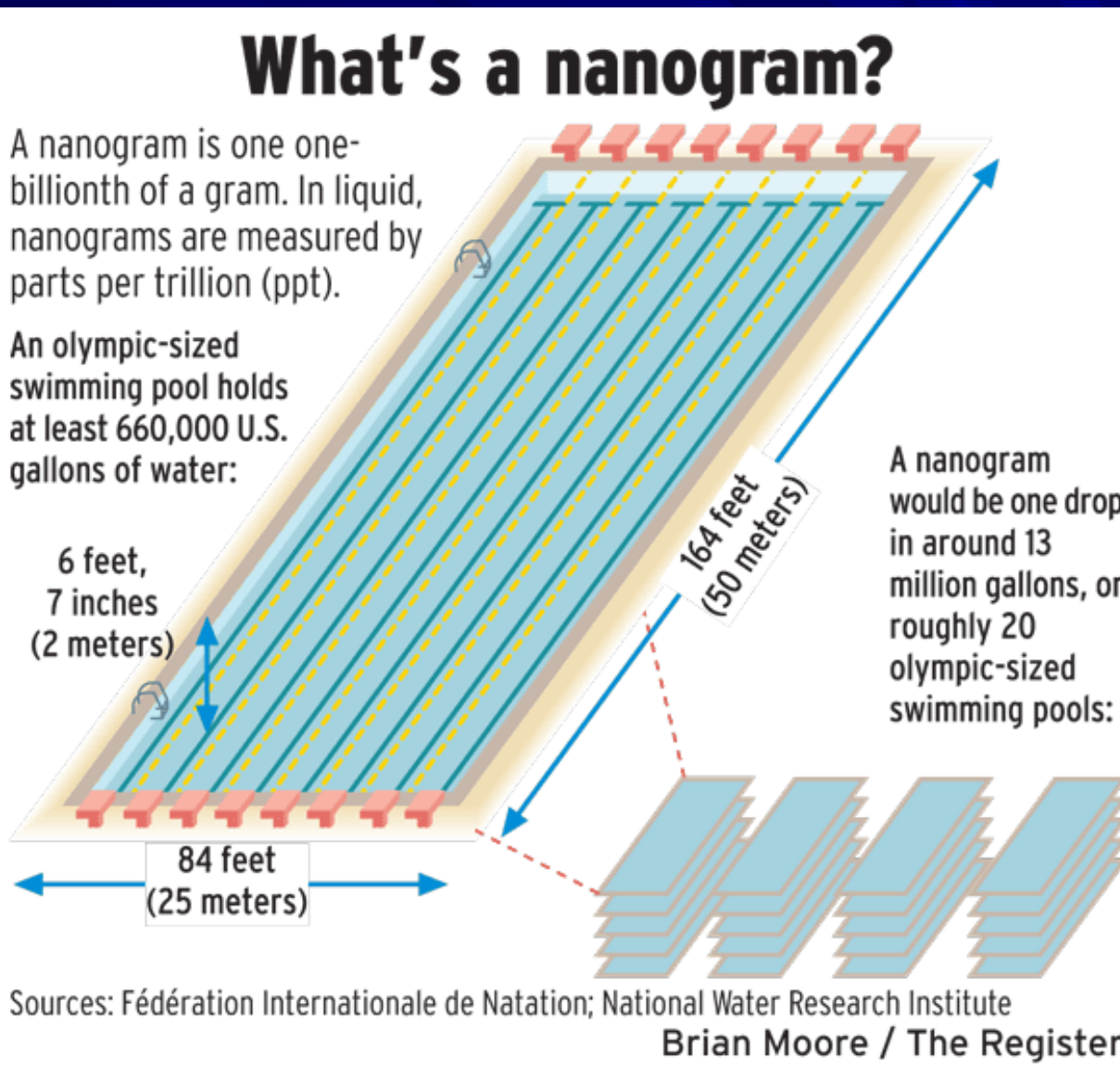
84 feet  
(25 meters)

164 feet  
(50 meters)

A nanogram would be one drop in around 13 million gallons, or roughly 20 olympic-sized swimming pools:

Sources: Fédération Internationale de Natation; National Water Research Institute

Brian Moore / The Register





*“The concentrations we’re seeing are many, many times lower than the normal dosage of these particular drugs,” said Kurt Berchtold, former executive officer of the Santa Ana Regional Water Quality Control Board. “So we certainly don’t think there is any potential for human effects due to this.”*

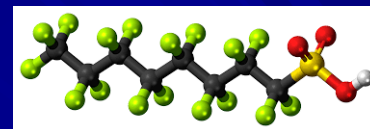
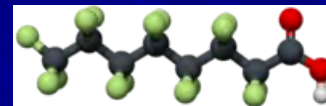


# New Emerging Constituents of Concern - PFOA and PFOS

- Per- and polyfluoroalkyl substances (PFAS) or alkyl acids (PFAAs)

- **PFOA** = Perfluorooctanoic Acid ( $C_8HF_{15}O_2$ )

- **PFOS** = Perfluorooctane Sulfonate ( $C_8HF_{17}O_3S$ )



- Key ingredients/byproducts in the production of:

- Consumer Products: Teflon, Scotchgard, Stainmaster, Gore-Tex

- Polymers for aircraft and electronics

- Paper packaging and wrappers for food (e.g., microwave popcorn bags)

- Fire fighting foams

- Initially developed in 1940s

- PFOA & PFOS phase out in USA began in 2000s

# PFOA & PFOS Properties

- Very stable, resistant to degradation
- Resistant to water, grease, and stains (lipophobic)
- Newer & more sensitive laboratory technology has revealed widespread occurrence in environment
- Found in groundwater near manufacturing sites and military bases



# Recent Regulations Regarding PFOA and PFOS

- Since 2016, US EPA has established a lifetime Health Advisory Level for PFOA + PFOS of 70ng/L.
- July 2018: SWRCB Division of Drinking Water Releases Interim Drinking Water Notification Levels & Response Levels
  - Notification Levels (NL) → **PFOA = 14 ng/L;**  
**PFOS = 13 ng/L**
  - Response Level (RL) → **PFOA + PFOS = 70 ng/L (same as EPA HA)**



# OCWD Conducted Initial Testing for PFOA & PFOS (2013-2015)



- Within Orange County Water District service area,
  - 135 drinking water sites tested (e.g., wells, reservoirs, blending points)
  - 5 of 19 retailers had detections related to drinking water wells
  - Three retailers had one or more results > 70 ng/L 2016 EPA Health Advisory
- OCWD did not detect in their imported water sources or GWRS flows
- However, consistent detections > Notification Levels in Santa Ana River
  - Main river
  - Multiple WWTPs (POTW) discharges
  - Tributaries (e.g, Temescal Creek, Chino Creek)



# Additional EC Sampling Need Response

- OCWD made 10/11/18 presentation to Santa Ana River Dischargers Association (SARDA) about PFOA & PFOS detections
- OCWD and SARDA informed Basin Monitoring Program Task Force which includes Regional Board staff of possible new EC sampling program need
- Conference call held on Nov. 27th with Regional Board, OCWD, SARDA, SAWPA, and Risk Sciences to discuss need and early scoping parameters



# Next Steps

- Kick off meeting to discuss with EC Program Task Force scheduled at SAWPA on Jan. 8<sup>th</sup>
- New emerging constituents of concern – Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS)
- Additional ECs sampling of 2013 parameters and possible others



# Social Media Services Your So Cal Tap Water

## Emerging Constituents Task Force

Mid-Year Activity  
July - December 2018



DEGRAVE  
COMMUNICATIONS, INC.  
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 Task Force

## Public Outreach Benefits

- Build awareness about water related issues
- Share information on safety of local water supply
- Correct misinformed media
- Provide credible resources to share with customers



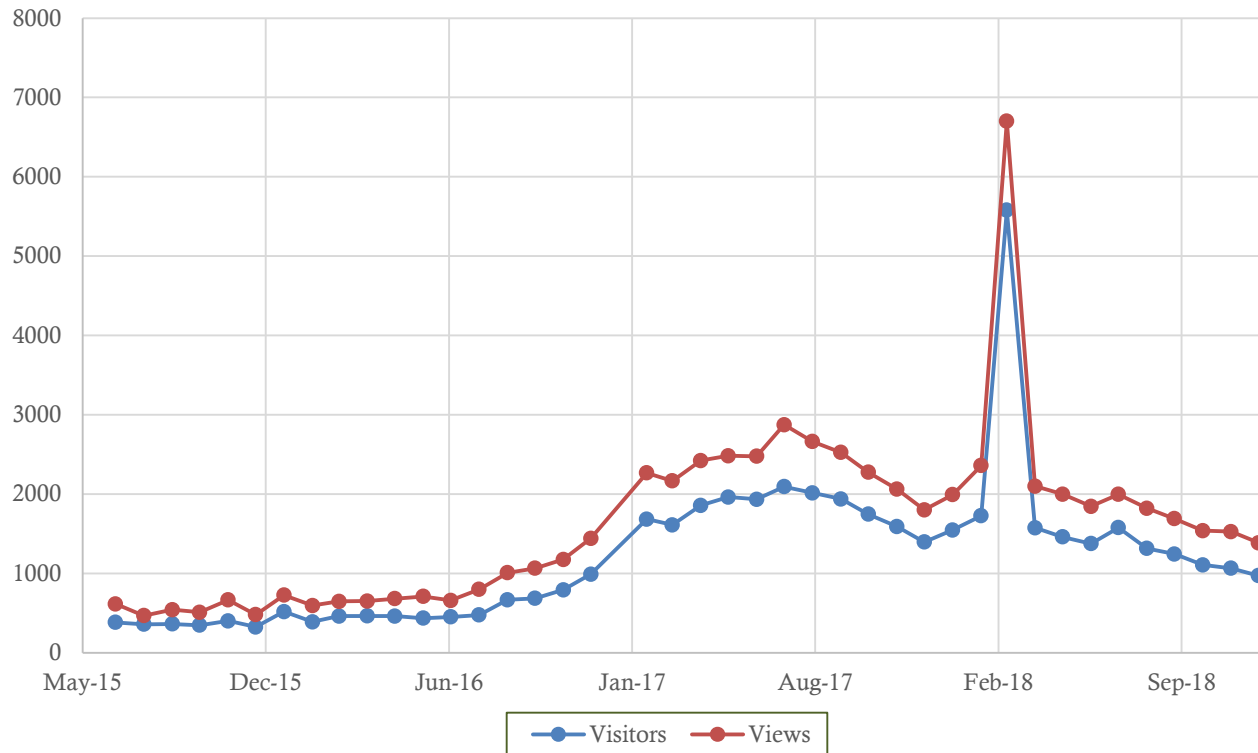
# YourSoCalTapWater.org



DEGRAVE  
COMMUNICATIONS, INC.  
PUBLIC RELATIONS

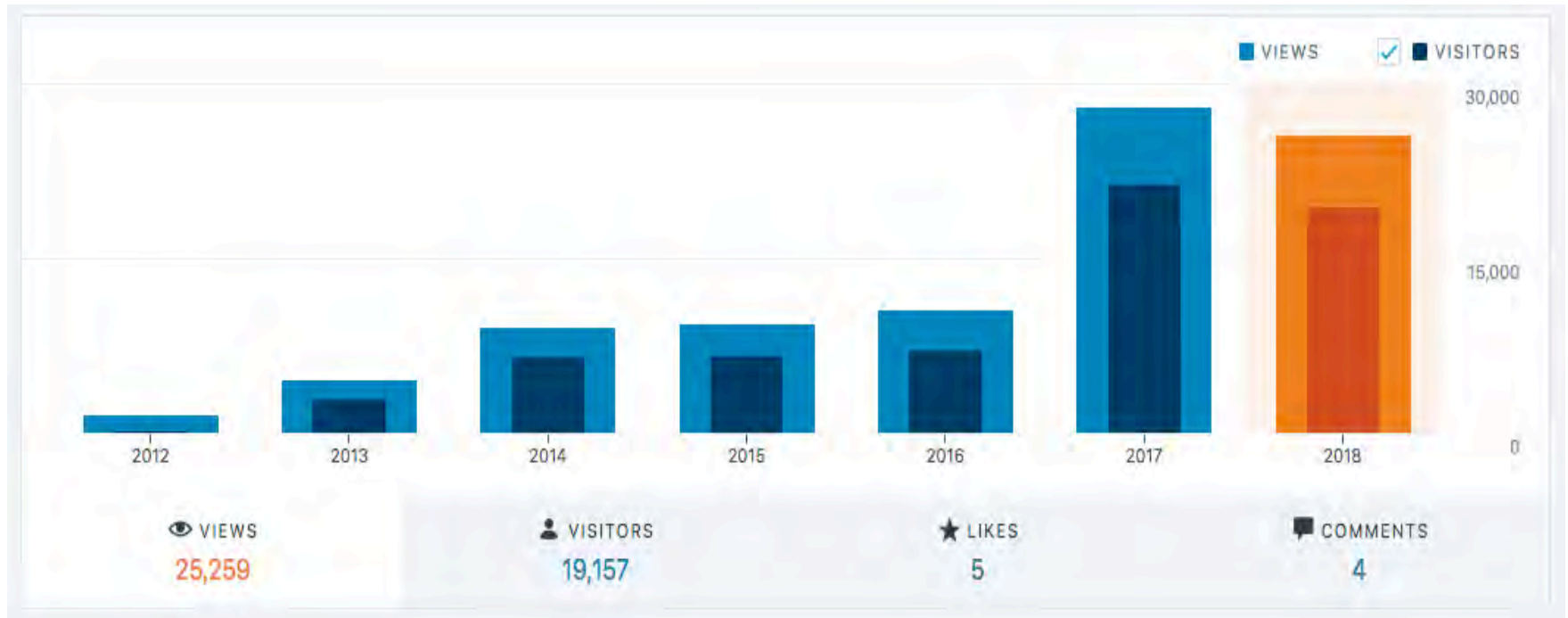
# YourSoCalTapWater.org

## Visitors & Views





# YourSoCalTapWater.org



# Blog Posts



## How Do You Dispose of Old Medications?



Recent technology has helped improve many aspects of our quality of life and medical advancements are no exception. Medicine plays an integral role in people's daily life whether taken for a one-time ailment or as a daily medication. It has truly evolved and can help maintain healthy communities. But what happens when medications need to be disposed of?

It is important that we safeguard our natural resources from unwanted materials and toxic medicine. The United Drug Administration advises: "When your medicines are no longer needed, they should be disposed of properly. Consumers and caregivers should never expose, unseal, or crush medicines from their home as quickly as possible to help reduce the chance that others accidentally take or intentionally misuse the unsealed medicine, and



## Is Trichloroethylene (TCE) in our Drinking Water?



Recent reports of Trichloroethylene in public water systems have been surfacing and gaining media attention. The Environmental Modeling Group (EMG) is a research team jointly sponsored by the California State Water Resources Control Board and the California State Water Resources Control Board. The EMG has conducted an analysis of news from public utilities nationwide. The analysis revealed that approximately 1 million people are impacted by the contaminated problem, also known as TCE. They also conclude that a person drinking water or or below the regulated guideline value, whether exposed briefly occasionally or daily for a lifetime would have little or no risk of health effects. Moreover, the trend for TCE use has been experiencing a consistent decline in usage and the exposure appears to be declining in the general population. Consumers should research the consumer confidence report for their specific water agency to obtain accurate information on their water quality and not rely solely on the information provided on the website provided by the DVC.



## What is Reuse of Wastewater for Indirect Drinking Water Use?



The concept of indirect drinking recycled water has found water agencies to look for increased reuse of existing raw sources of drinking water for the customers. Because reuse water can be created, the reuse of using recycled water is quickly becoming more common. The California Agricultural Water Reuse/Recycling Initiative states that recycled water projects have been distributed since 2002 and continue to follow an unseal (not identified and followed by people pipes recycled water is often labeled with warning of "Do Not Drink" and "Not for Public Use". But if recycled water isn't exposed to the drinking, then how can recycled water be a source of indirect drinking water?



## Lead Testing in Schools



The tap water at most California's schools is considered safe while officials are working to ensure that older water systems are thoroughly tested.

A growing concern of water bills. A comparison to lead testing. Do you've just one of those reports that California lead pipes. When they're filling their reusable bottles or drinking it straight from the fountain, water is a necessity for the school day. And while kids just drinking back in the classroom, the last thing parents want to worry about is the safety of what their child is drinking.

Most lead testing requires a first water sample because that pipe problem. So what lead testing will be required to lead lead tests to all school drinking water sources by July 2016. But what about water delivery? Lead will be considered water. There are! The detection system includes any new lead after the detection, but also some detection given those efforts the system to prevent testing.



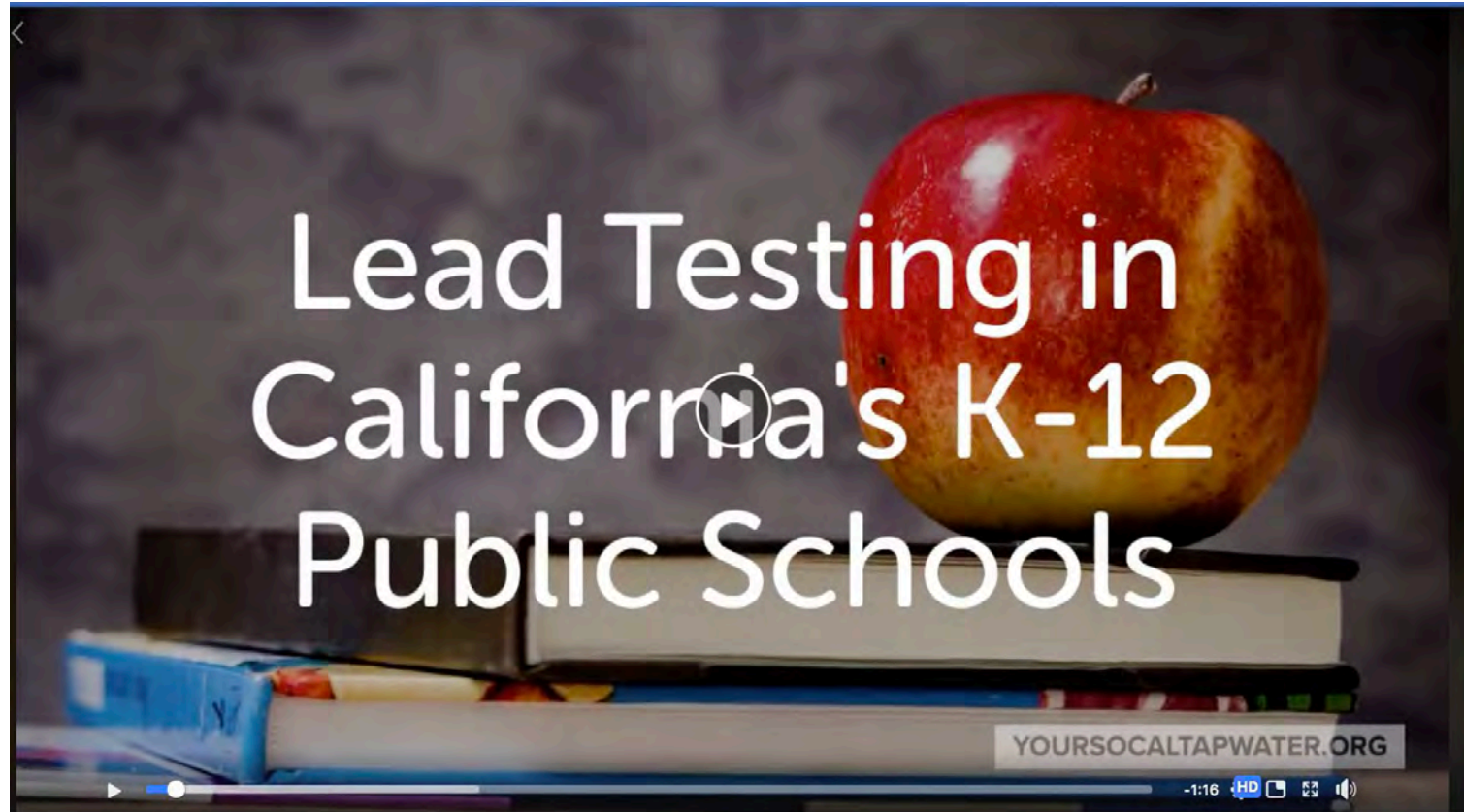
## Careers in Water Treatment and Operations



Most people in California sure they have no use for water for drinking, washing, cooking, and other activities with confidence that the water they are using is safe. The institutions that provide the most common services at any time of the day are water agencies and they serve the public daily through a wide variety of important roles. One of the primary roles of a water agency is to deliver high quality water with reliable service to homes a day, 365 days a year. Agencies employ water quality technicians and operators that do the work to deliver dependable water to a community basin. Careers in water treatment and operations include operating water samples, analyzing findings, helping set standards for water integrity as well as reliable delivery of water to their customers. Individuals who work at water treatment plant operate and manage the distribution of water to homes and businesses. Operations staff also work in the field collecting water quality samples and working with labs to test for water quality. They play a critical role in maintaining the quality of their communities and environments by providing services that benefit public health.



# Lead Testing in Public Schools VIDEO



Lead Testing in Schools

Like Comment Share

Your So Cal Tap Water Follow

1 Share



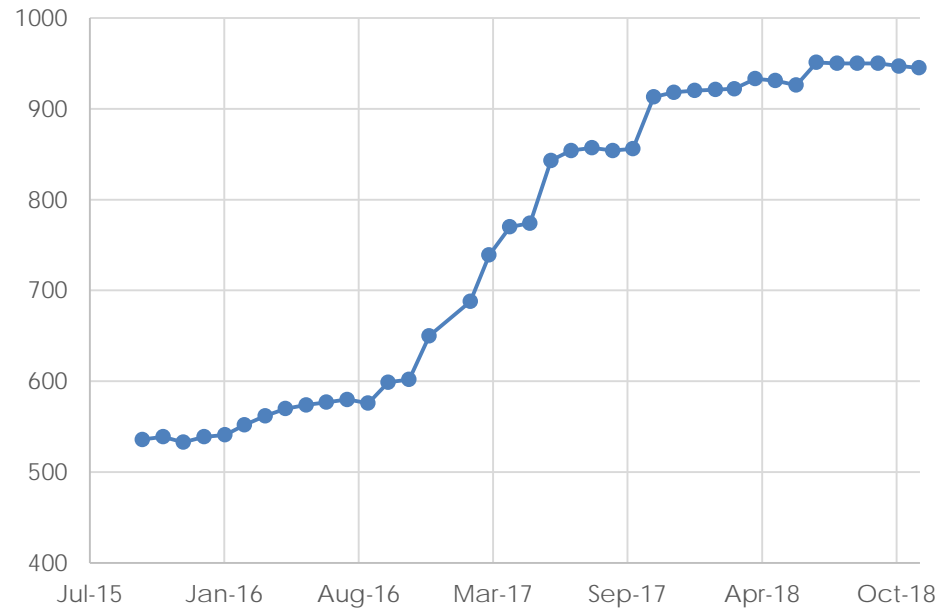
DEGRAVE  
COMMUNICATIONS, INC.  
PUBLIC RELATIONS

# Facebook @YourSoCalTapWater



# Facebook Likes

**SoCalTapWater (2012): 949 likes**  
EMWD (2009): 1,100 likes  
IEUA (2013): 513 likes  
OCWD (2009): 938 likes  
WMWD (2010): 949 likes  
SBVMWD - not on FB



# Facebook Highlights

Post Details

Your So Cal Tap Water  
Published by Liselle DeGrave · October 1 ·

Lead testing is in progress for public K-12 schools in California, and will be completed by July 2019. Find out how to look up the current status of your child's school on our blog.



YOURSOCALTAPWATER.ORG  
**Lead Testing in Schools**  
The tap water at most California's schools is... [Learn More](#)

1,234 People Reached    26 Engagements    [Boost Again](#)

Post Details

Your So Cal Tap Water  
Published by Liselle DeGrave · October 22 ·

Exposure to lead from old faucets or pipes can cause a range of health issues, which is why California's public K-12 schools built before 2010 are conducting lead testing in all school drinking water sources to ensure water safety.




**Lead Testing in Schools**    **Lead Testing in School**

909 People Reached    28 Engagements    [Boost Again](#)

Post Details

Your So Cal Tap Water  
Published by Liselle DeGrave · October 15 ·

DEA National Rx #TakeBackDay is October 27! If you have unused or expired medications, visit our blog for more info on how to find a collection site near you to dispose of them safely.



**How Do You Dispose of Old Medications?**    **How Do You Dispose of Medications?**

867 People Reached    34 Engagements    [Boost Again](#)



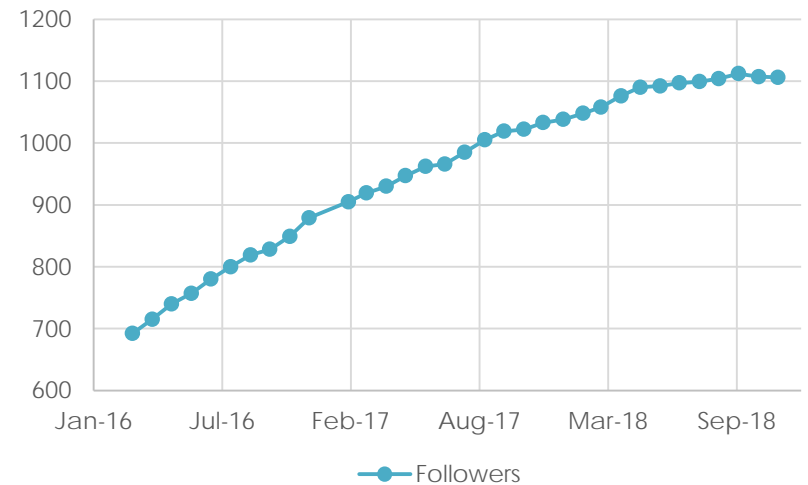
# Twitter

## @SoCalTapWater



# Twitter Followers

**SoCalTapWater (2012): 1,106 followers**  
EMWD (2009): 2,613 followers  
IEUA (2014): 612 followers  
OCWD (2009): 4,951 followers  
WMWD (2009): 4,304 followers  
SBVMWD - not on Twitter





# Top Tweets

**Top Tweet** earned 3,824 impressions

While the treatment processes have improved, the concept of recycled water is not new; farmers and others started using wastewater for growing crops and landscape irrigation in the late 1800s.

[#ThrowbackThursday](#) [#TBT](#)  
[#RecycledWater](#) [ow.ly/BGQt30IFuNJ](#)

**Top mention** earned 3 engagements



**Stephen N. Johns**

[@stephonovich78](#) · Jul 31

[@SoCalTapWater](#) In 2009, the Pacific Institute estimated that the amount of energy required to manufacture 1-liter of bottled water was up to 2,000 times the amount of energy required to produce the equivalent amount of tap water.

↩ 1 ↻ 1

**Top media Tweet** earned 793 impressions

Municipal water districts are subject to more rigorous water quality testing on a frequent basis than are bottled water manufacturers, which helps ensure the safety and quality of your [#tapwater](#).

[#ChooseTapWater](#) [#DrinkMoreWater](#)  
[ow.ly/qIKQ30ILqEj](#)  
[pic.twitter.com/o6QcWsrHul](#)



↻ 2 ♥ 4

**Top mention** earned 11 engagements



**Western MWD**

[@BeingWaterWise](#) · Aug 9

RT [@SoCalTapWater](#): Did you know that recycled water can help provide drought protection in dry climates like ours? [ow.ly/qQyJ30IbiGe](#) [#recycledwater](#) [#usewaterwisely](#)  
[pic.twitter.com/nN0iA9L6ST](#)



♥ 6

**Top mention** earned 5 engagements



**San Bernardino Water**

[@sbcitywater](#) · Oct 28

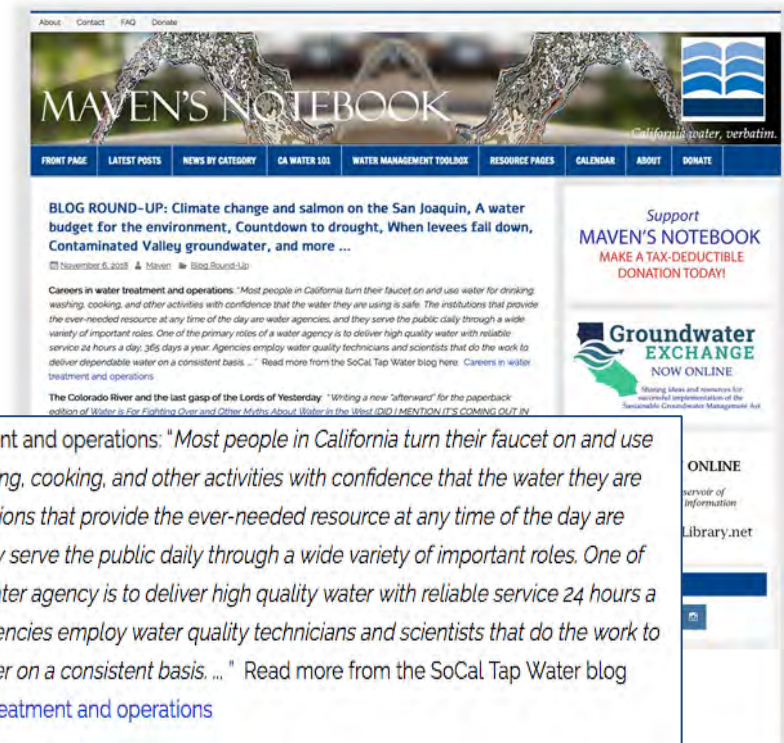
One more good reason to choose tap. Follow [@SoCalTapWater](#) to learn more. [twitter.com/SoCalTapWater/...](#)

↩ 1 ↻ 2 ♥ 4



# Highlights

- Featured in Maven's Notebook
- PRSA Capella Award –Tactic Hidden in a Hill: Perris Hill Reservoir



Careers in water treatment and operations: "Most people in California turn their faucet on and use water for drinking, washing, cooking, and other activities with confidence that the water they are using is safe. The institutions that provide the ever-needed resource at any time of the day are water agencies, and they serve the public daily through a wide variety of important roles. One of the primary roles of a water agency is to deliver high quality water with reliable service 24 hours a day, 365 days a year. Agencies employ water quality technicians and scientists that do the work to deliver dependable water on a consistent basis. ... " Read more from the SoCal Tap Water blog here: [Careers in water treatment and operations](#)

# Next Steps

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





*dc*

DEGRAVE  
COMMUNICATIONS, INC.  
PUBLIC RELATIONS



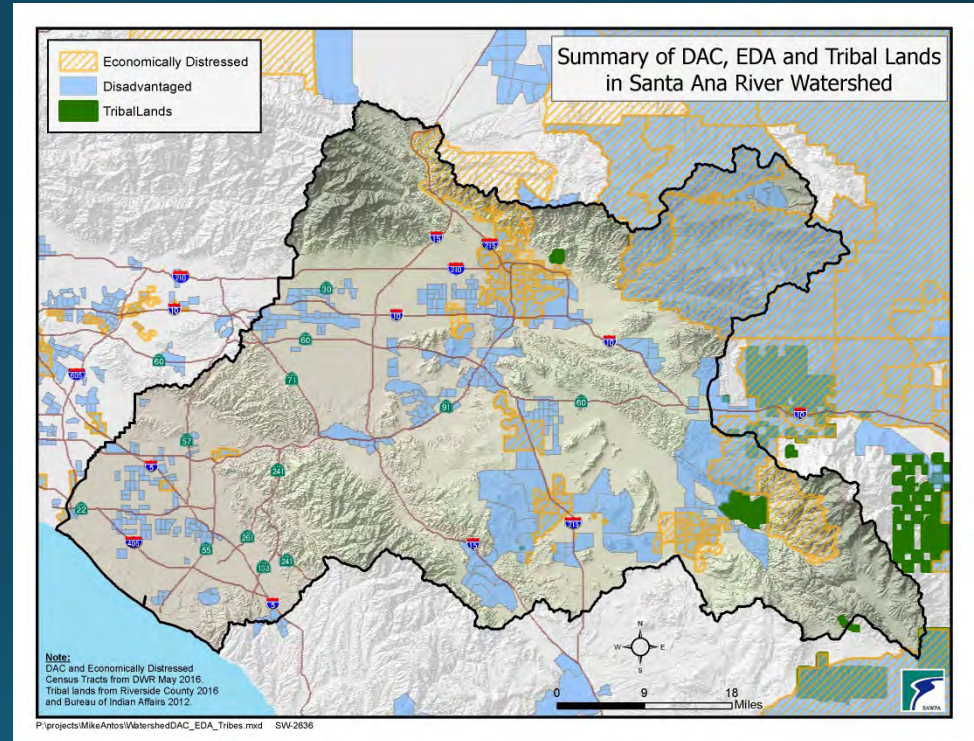
Disadvantaged Communities Involvement Program

# Request for Qualifications Translation Services

Mike Antos, Senior Watershed Manager

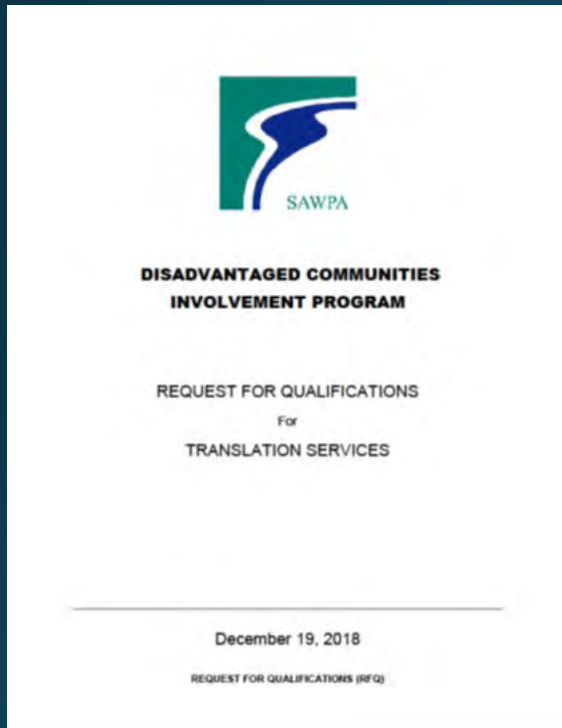
# DCI Program Approach

1. Strengths and Needs Assessment
2. Education and Engagement
3. Project Development



- Disadvantaged Community & Tribal Community Pillar
- Technical Advisory Committee

# Program Element 2: Education/Engagement



- **ACTIVITY TITLE: TRANSLATION SERVICES**
- Activity Categories: *Education, Technical Assistance*
- Description: SAWPA will issue an RFQ for translation services to produce an on-call list of in-person meeting and written material translation consultants. SAWPA will issue an RFP for local entities to access the on-call consultants for translation services on activities related to community engagement for water management.

# Budget & Timeline

- Activity: Translation Services
  - SAWPA program staff: \$21,833
  - Consultants: \$150,000



**2019**

- Timeline:

- 12/19/18 RFQ released (if approved)
- 02/05/19 Approval of selected firms
- 02/05/19 RFP released for agencies seeking translation support
- 3/19 Task Orders to Translation Consultants
- 1/20 All work complete



# Recommendations

- It is recommended that the SAWPA Commission authorize the release of a request for qualifications to create an on-call list of firms that can provide document and simultaneous and/or following meeting translation, a grant-funded task of the Disadvantaged Communities Involvement Program.



Page Intentionally Blank



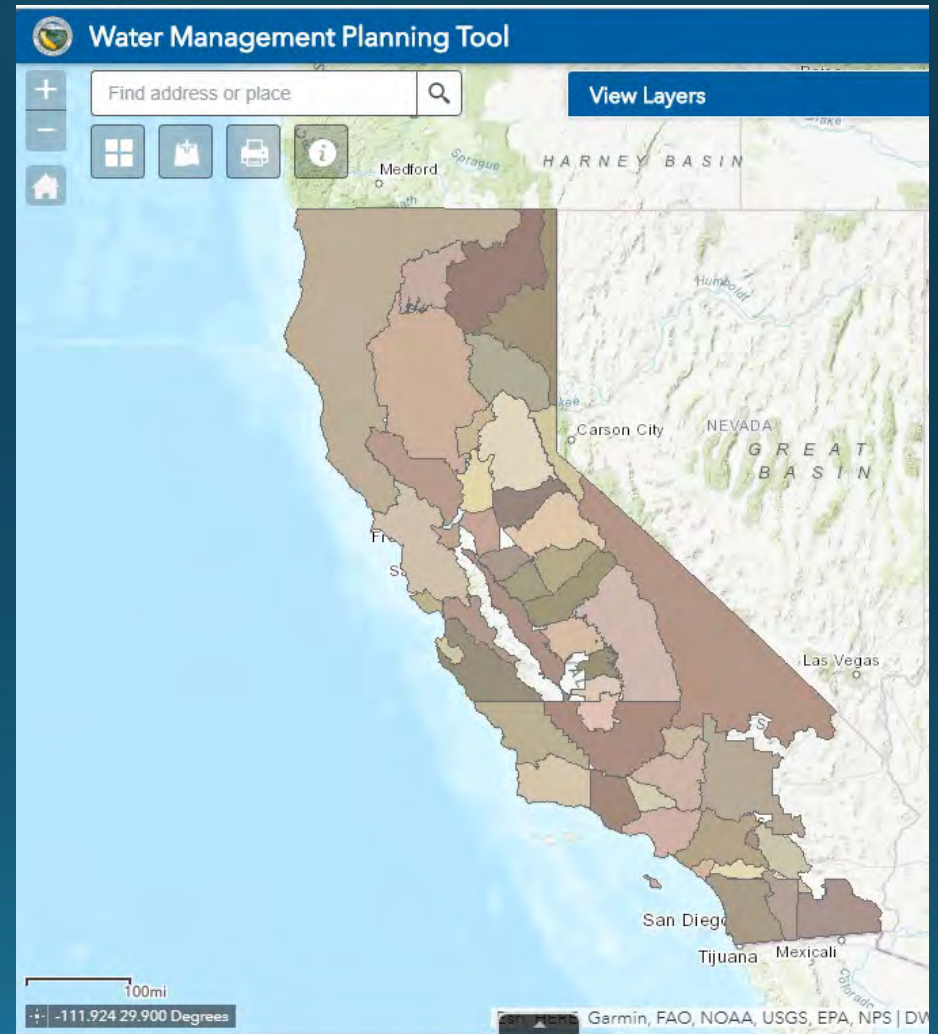
One Water One Watershed Program

# Request for Proposals

## CA IRWM Roundtable of Regions Network Coordinator

# The Roundtable of Regions

- Began in 2006
- Informal partnerships, led by engaged staff
- Network extends limited resources and amplifies results of all participants



# How SAWPA benefits

- Roundtable is a trusted partner to DWR & ACWA
  - Instrumental in changes to the IRWM Program that benefit the watershed and the SAWPA members.
  - Roundtable engaged with DWR in IRWM and the CA Water Plan
- Supporting the Network Coordinator is a statewide role for SAWPA
- Roundtable partners excited to take this step forward, thankful of SAWPA taking point



# Network Coordinator

- Not a leadership position – a coordinating one
- Task Areas:
  - Maintenance of membership contact list
  - Schedule, coordinate, and note-take during, regular participant calls
  - Track and encourage engagement with related water policy and IRWM issues
  - Coordinate shared promotion of IRWM Program
  - Develop one summit for in-person Roundtable & DWR engagement
  - Develop and administer annual survey of membership to support IRWM Program



# Collaborative Funding Model

- Similar to a Task Force / Roundtable
- Fourteen contributing Roundtable participants have pledged a total of \$71,600 for the first-year scope.
- Consultant will be managed closely by SAWPA, with two Roundtable participants

Roundtable Participant	Pledged
Mojave Water Agency	\$ 10,000.00
San Diego County Water Authority	\$ 4,000.00
City of San Diego	\$ 2,500.00
Sonoma Water	\$ 10,000.00
Greater Los Angeles County IRWM	\$ 10,000.00
Environmental Justice Coalition for Water	\$ 100.00
Santa Clara Valley Water District	\$ 10,000.00
Yuba County IRWM/RWVG with support from Yuba Water Agency	\$ 10,000.00
Upper Kings Basin IRWM	\$ 5,000.00
Westside Sacramento IRWM	\$ 1,500.00
SAWPA	\$ 5,000.00
Yosemite-Mariposa IRWM	\$ 500.00
Santa Barbara County Water Agency	\$ 2,000.00
Burdick & Company	\$ 1,000.00
<b>Total Pledged (as of 12/5/18)</b>	<b>\$ 71,600.00</b>

# Recommendations

- Authorize the release of a Request for Proposals to fill a collaboratively-funded Network Coordinator consultant for the California IRWM Roundtable of Regions.
- Commit \$5,000 previously budgeted for consultant support, and previously budgeted staff time valued at approximately \$5,000, from Fund 373 (OWOW) to support the selection, contracting and management of a Roundtable of Regions Network Coordinator.





Capacity Transfer Agreement  
and  
Agreement to Discharge Related  
to Connecting City of Beaumont to  
the Inland Empire Brine Line

Item 5.F

December 18, 2018

# Brine Line Request to Connect

## Recommendation to Commission:

Approve and authorize the GM to execute subject to minor, non-substantive changes on concurrence by legal counsel:

1. A capacity transfer agreement to transfer pipeline capacity rights and treatment and disposal capacity rights to the Inland Empire Brine Line for 0.55 mgd at 200 mg/l BOD and 200 mg/l TSS from WMWD to Valley; and
2. An agreement to discharge with the City of Beaumont with stated conditions

# Background

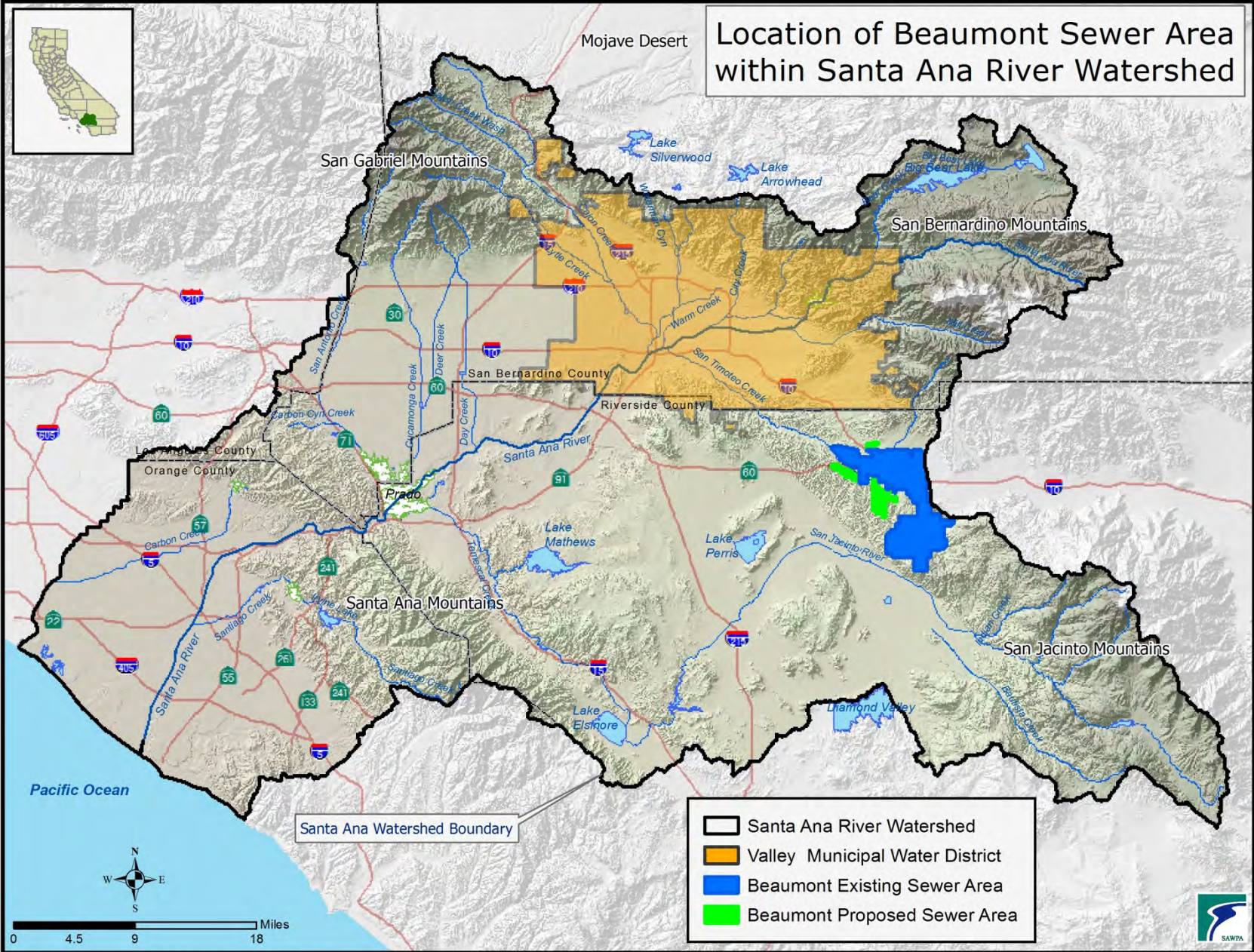
- Beaumont is upgrading existing WWTP to comply with RWQCB order and basin plan objectives
- Upgrades include RO treatment of the tertiary treated wastewater plant effluent
- Upgrades must be in place by Mar 2020



# Brine Line Request to Connect

- City desires to purchase 0.55 MGD of pipeline capacity and treatment and disposal rights at 200 mg/l BOD and 200 mg/l TSS
- City will purchase pipeline capacity and treatment and disposal rights from DFA under separate agreement
- Purchase is consistent with OCSD 1996 Agreement for Flow, BOD and TSS.
- City is outside Brine Line Service Area but within the watershed

Location of Beaumont Sewer Area  
within Santa Ana River Watershed



# Brine Line Request to Connect

- City initial request to SAWPA 12/16
- SAWPA Commission endorse request 2/17
- SAWPA Request to OCSD 3/17
- OCSD Request Additional Information 3/17
- Additional Information provided by City 4/17 – 9/18
- SAWPA Respond to OCSD 8/18
- SAWPA / City / OCSD Meeting 9/18
- OCSD conditional letter 10/18

# Capacity Transfer Agreement

- DFA's Capacity is in WMWD's service area
- Discharge connection is in Valley's service area
- Effective date based on completing four OCSD requirements

**Legend:**

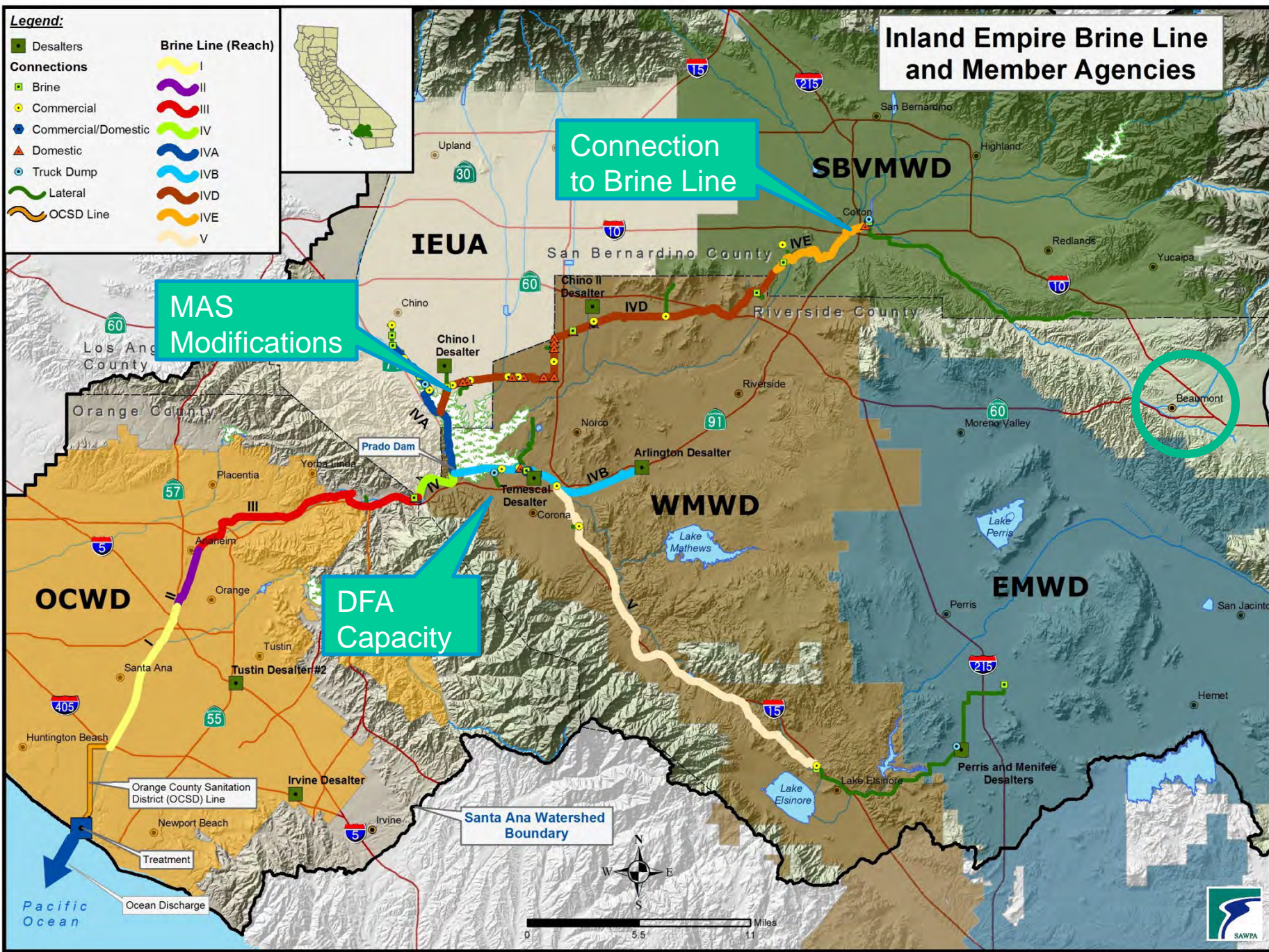
- Desalters
- Connections
- Brine
- Commercial
- Commercial/Domestic
- Domestic
- Truck Dump
- Lateral
- OCSD Line

**Brine Line (Reach)**

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



# Inland Empire Brine Line and Member Agencies





# Agreement Approving Discharge to the Brine Line

- Hydraulic Improvements needed to accommodate transfer of flow
- Abide by terms of MJPA and comply with all conditions and requirements established by SAWPA/OCSD
- Permitting
- SAWPA entitled to recover PTP costs
- Discharge Requirements
- Submittal of Design Documents

# Brine Line Request to Connect

## Recommendation to Commission:

Approve and authorize the GM to execute subject to minor, non-substantive changes on concurrence by legal counsel:

1. A capacity transfer agreement to transfer pipeline capacity rights and treatment and disposal capacity rights to the Inland Empire Brine Line for 0.55 mgd at 200 mg/l BOD and 200 mg/l TSS from WMWD to Valley; and
2. An agreement to discharge with the City of Beaumont with stated conditions

**QUESTIONS?**

Page Intentionally Blank

# Inland Empire Brine Line Lease Capacity Pool Agreement and Updated Rate Resolutions

Item 5.G

December 18, 2018

# Brine Line Request to Connect

## Recommendation to Commission:

1. Adopt Resolution 2018-13 Establishing the Rates and Charges for Discharges to the Inland Empire Brine Line;
2. Adopt Resolution 2018-14 Establishing the Purchase Price for Treatment and Disposal Rights in the Inland Empire Brine Line; and
3. Approve and authorize the GM to execute an agreement for the creation of a lease capacity pool for the Inland Empire Brine Line, subject to minor, non-substantive changes contingent on concurrence by legal counsel.

# Lease Capacity Pool Agreement

- Option to Industrial Customers to lease rather than purchase pipeline capacity and treatment and disposal rights
- Benefits
  - Provides some certainty
  - Easier to obtain
  - Less of a financial challenge to smaller customers
  - Additional revenues for SAWPA and Member Agencies

# Lease Capacity Pool Agreement

- Member Agencies own some Capacity that is not utilized
- Member Agencies contribute small quantity to capacity pool
- Individual Discharger Lease Agreements
- Discharger obtain permit to discharge
- Discharger pay brine rates, permit fees and lease rate
- Member Agencies receive proportionate share of lease revenues



# Resolution 2018-13

## Establishing the Rates and Charges for Discharges to the Brine Line

- Revised to include Capacity Lease Rate
- Lease Rate Methodology developed by Rate Model Consultant
  - Replacement Costs for Brine Line System and Cost to Purchase Treatment and Disposal Capacity Right
  - Rate is \$0.00253 per gallon, 250 mg/l BOD and 250 mg/l TSS
  - Rate is in addition to charges for Flow, BOD, TSS, Fixed Pipe and Fixed Treatment

# Resolution 2018-13 Cont.

- Minor text edit to footnote (b) section 7 (Truck-delivered non-reclaimable wastewater discharges)
  - (b) Concentrations over 100 mg/l will be charged using the following cost component: \$0.015 per gallon, \$0.015 per gallons, \$0.75/pound of BOD, and \$0.716/pound of TSS.

## Clarified as follows:

- (b) Concentrations 100 mg/L and higher will be charged using the following component: \$0.015 per gallons, \$0.75/pound of BOD, and \$0.716/pound of TSS.

# Resolution 2018-14

## Establishing the purchase price for Treatment and Disposal Rights in the Brine Line

- New information provide by OCSD
- Purchase price \$6,847,499 per MGD, for wastewater strength not exceeding 288 mg/l BOD and 290 mg/l TSS
- Estimate is for FY 19 and may change based on when SAWPA makes an official request to purchase additional capacity right

**QUESTIONS?**