



**AGENDA**

**WORKSHOP  
OF THE  
BOARD OF DIRECTORS**

**WEDNESDAY, MAY 1, 2019  
10:00 A.M.**

**INLAND EMPIRE UTILITIES AGENCY\*  
AGENCY HEADQUARTERS  
BOARD ROOM  
6075 KIMBALL AVENUE  
CHINO, CALIFORNIA 91708**

**CALL TO ORDER  
OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS  
WORKSHOP**

**FLAG SALUTE**

**PUBLIC COMMENT**

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which is available on the table in the Board Room. Comments will be limited to three minutes per speaker. Thank you.

**ADDITIONS TO THE AGENDA**

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. **WORKSHOP**

**A. CURRENT LEGISLATIVE PROPOSALS FOR ASSURING SAFE, ACCESSIBLE AND AFFORDABLE DRINKING WATER STATEWIDE**

- Mr. Darrin Polhemus – State Water Resources Control Board
- Ms. Danielle Coats – Eastern Municipal Water District
- Mr. Jonathan Nelson – Community Water Center
- Ms. Cindy Tuck – Associations of California Water Agencies

2. **ADJOURN**

\*A Municipal Water District

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary (909) 993-1736, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

Proofed by: jh

**Declaration of Posting**

I, April Woodruff, Board Secretary of the Inland Empire Utilities Agency\*, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, April 25, 2019.



AWR April Woodruff

# WORKSHOP

# 1A

# “Re-imagining” Safe and Affordable Drinking Water: through Partnership

Darrin Polhemus, P.E.

Deputy Director

Division of Drinking Water

State Water Resources Control Board



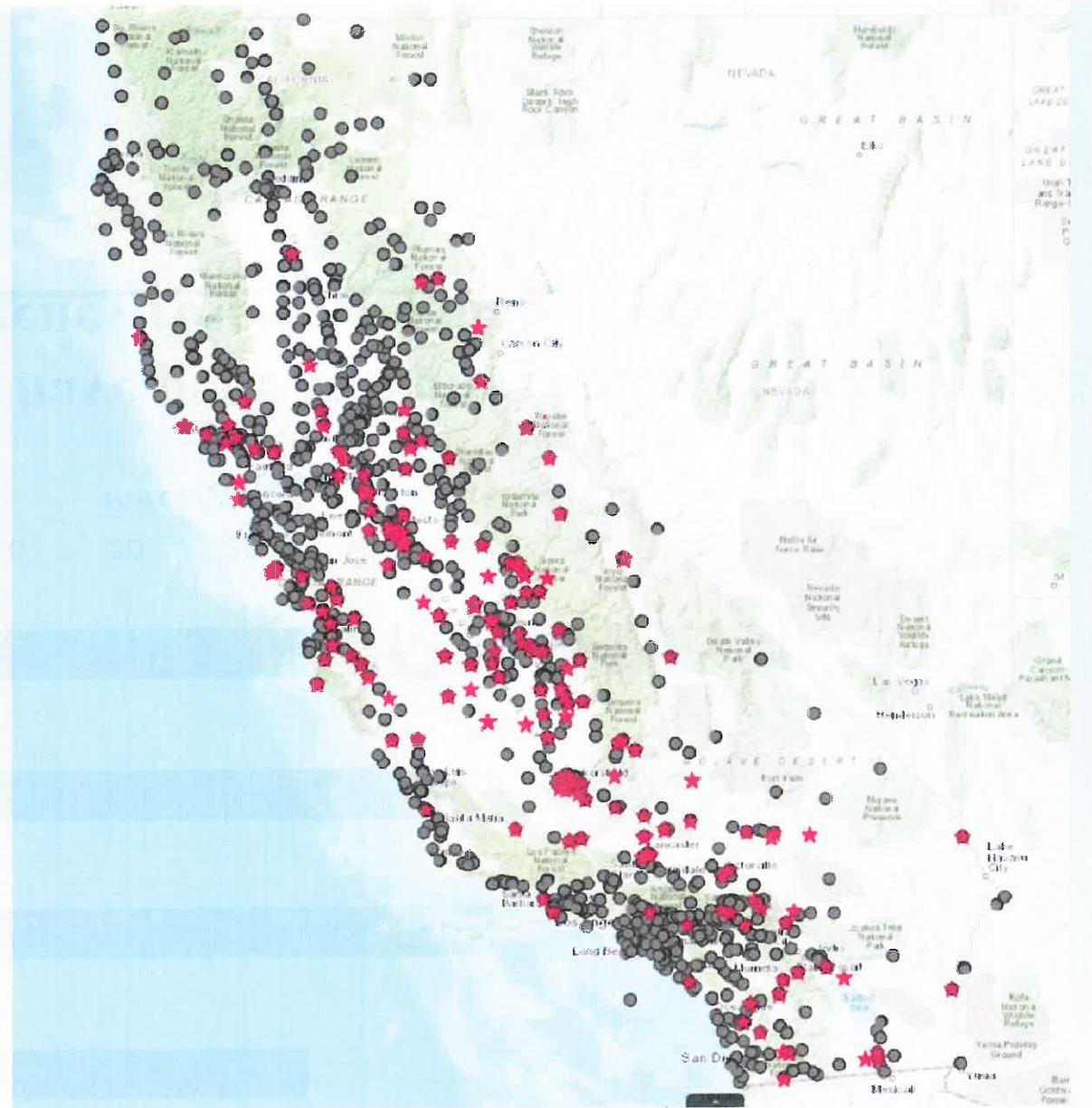
AB-685: “Every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.”





# Human Right to Water Website

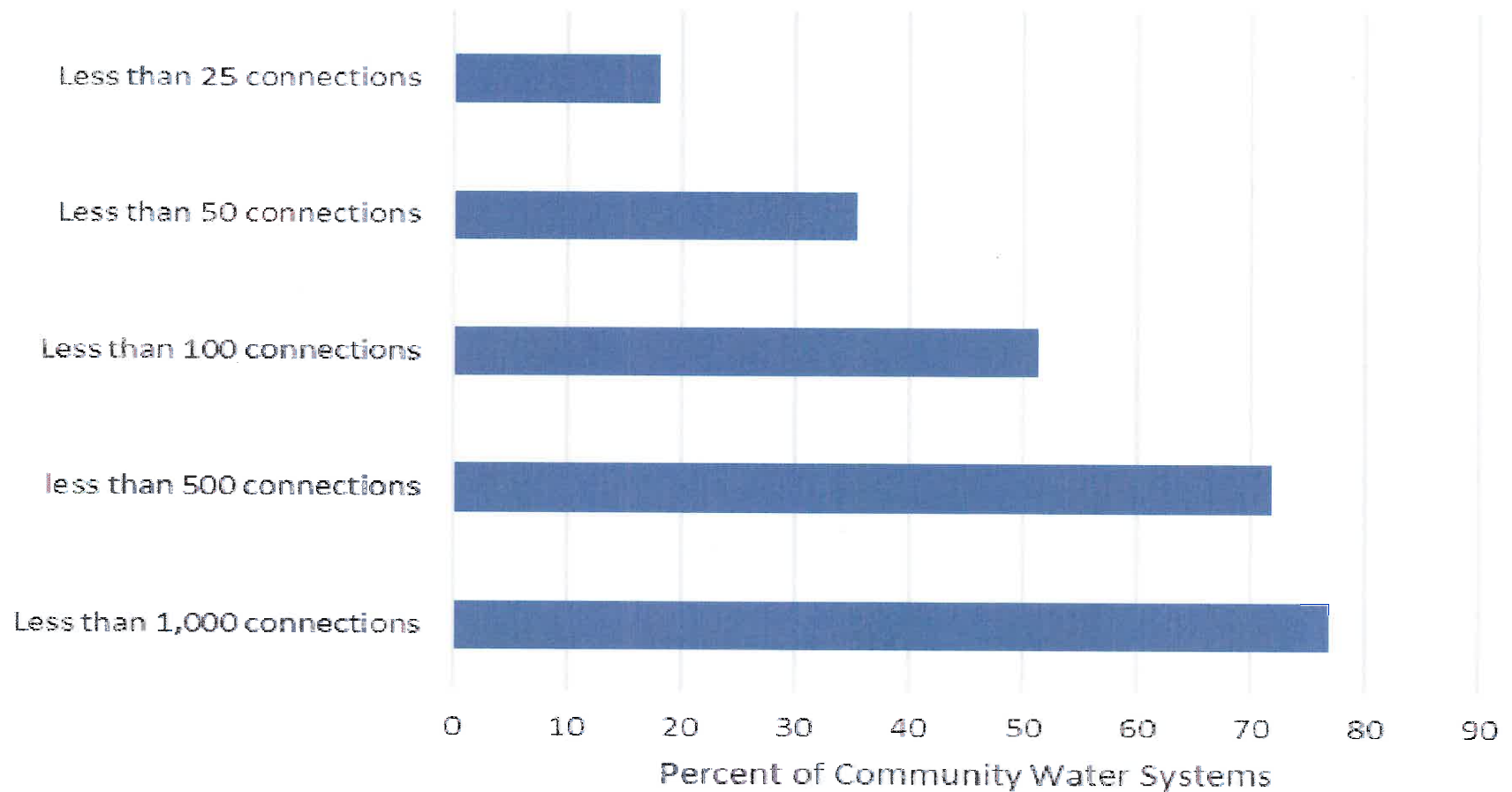
- 7,400 Public Water Systems
- Red Stars Represent Water Systems with Violations in Community Water Systems or Schools
- **90% of Violations Occur in Water Systems Serving Less than 500 connections**



[https://www.waterboards.ca.gov/water\\_issues/programs/hr2w/index.html](https://www.waterboards.ca.gov/water_issues/programs/hr2w/index.html)



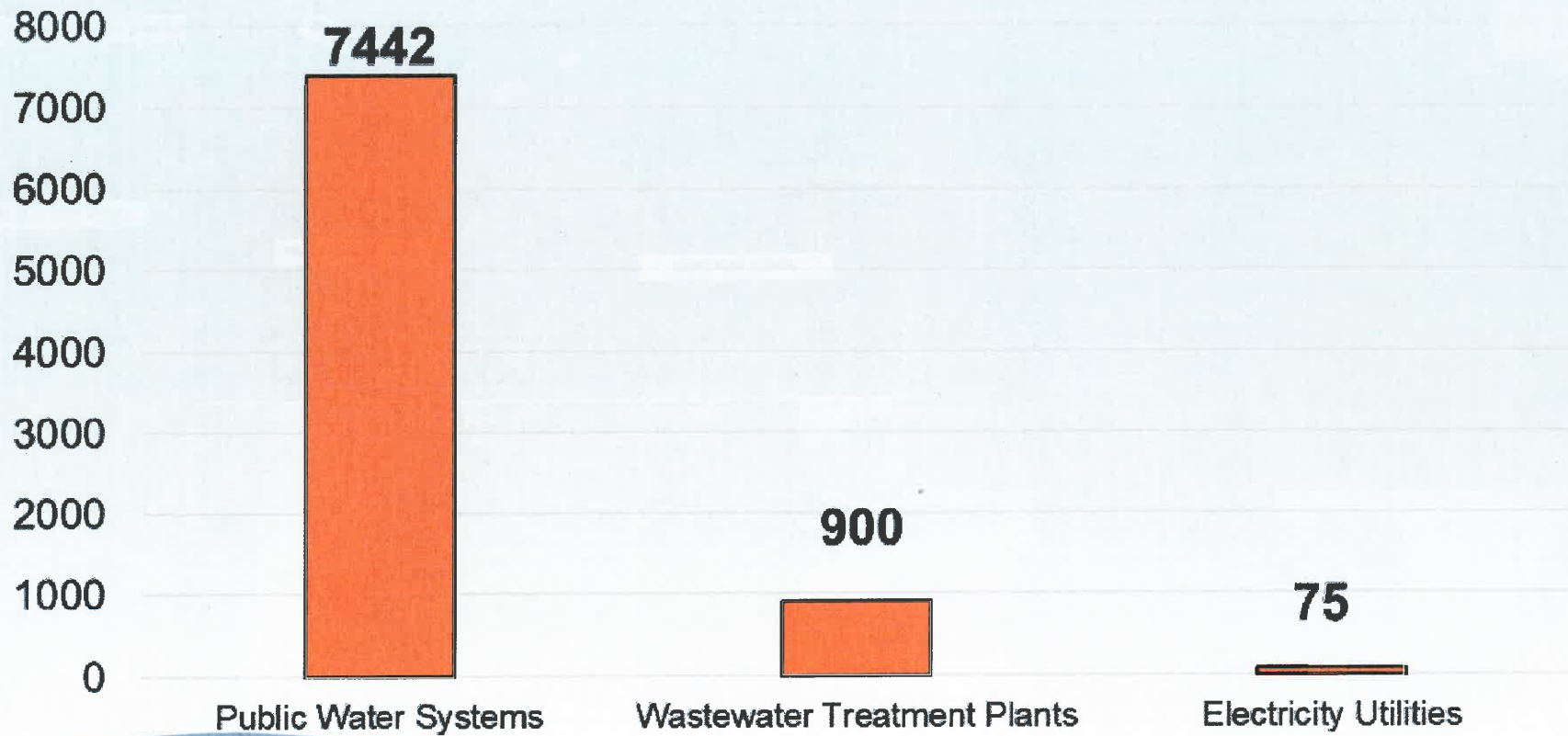
## Size of Community Water Systems



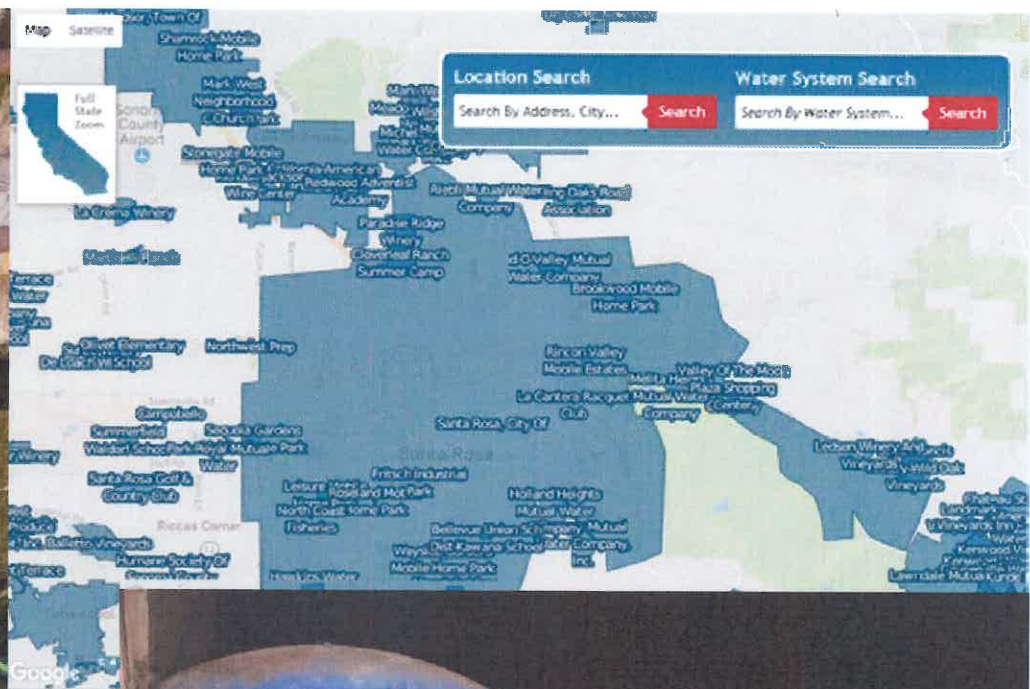
**Small water systems have poor economies of scale and limited emergency response capabilities.**



# Comparison with Other Utilities









# Short-term Drinking Water Goals

1. Zero water systems with violations through partnership & consolidation whenever possible
2. Decreasing unsustainable water systems through partnership & consolidation whenever possible
3. Stopping the formation of new unsustainable water systems



# Water Partnership Continuum

Internal Changes	Informal Cooperation	Contractual Assistance	Joint Powers Authority	Ownership Transfer
<ul style="list-style-type: none"> <li>• Installing meters</li> <li>• Changing billing</li> </ul>	<ul style="list-style-type: none"> <li>• Sharing equipment</li> <li>• Sharing Bulk Supplies</li> <li>• Mutual Aid</li> </ul>	<ul style="list-style-type: none"> <li>• Contracting Operation and Management</li> <li>• Outsourcing Engineering Services</li> </ul>	<ul style="list-style-type: none"> <li>• Sharing system Management</li> <li>• Sharing Operators</li> <li>• Sharing Source Waters</li> <li>• Sharing Treatment</li> </ul>	<ul style="list-style-type: none"> <li>• Ownership Transfer</li> <li>• Management Transfer-Administrators</li> </ul>



# Other States are Getting it Done!



## Natural Consolidation *Kentucky*

<u>YEAR</u>	<u>TNCWS</u>	<u>NTNCWS</u>	<u>CWS</u>	<u>PWS</u>	<u>CHANGE</u>
1974	1058	252	868	2178	
1979	805	252	755	1812	-17 %
1989	400	215	639	1254	-31 %
1999	199	85	497	781	-38 %
2009	49	26	409	484	-38 %
2016	26	15	356	397	-18 %





# Building the Toolbox

- Needs Assessment
  - \$3 M to assess the cost of providing safe water state-wide
- AB-72 – Administrator, Schools, Urgent Needs Funding
  - \$10 M for Administrators
  - \$10 M for Urgent Needs
  - \$6.8 M for Schools



# Medium-Term Drinking Water Goals

- Financial Capacity-Asset Management
- Ensuring adequate water rates to deal with aging infrastructure—which may result in higher rates
- Ensuring that disadvantaged residents can afford safe and accessible drinking water



# So many great tools...

## Asset Management 2017 Webinar Series



Division of Drinking and Wastewater (2016/2017)

In preparation for Ohio EPA's proposed requirement for all PWSs in Ohio to develop an Asset Management Program, RCAP is pleased to present this series to provide a background on better understanding Asset Management.

**Friday  
September 8th**

### Completing an Asset Inventory

This first webinar of the series will cover the basics of asset inventory - where to look for and find the data needed to complete an inventory of your water utility assets. [Click Here To Register](#)

**Friday  
September 15th**

### Completing a Condition Assessment

This webinar, second in the series, covers methods used to evaluate and rate the condition of your water utility assets. [Click Here To Register](#)

**Friday  
September 22nd**

### Completing a Capital Improvement Plan

This webinar, third in the series, explains the basics of developing and maintaining a Capital Improvement Plan. Proactive planning rather than reactive planning will be discussed. [Click Here To Register](#)

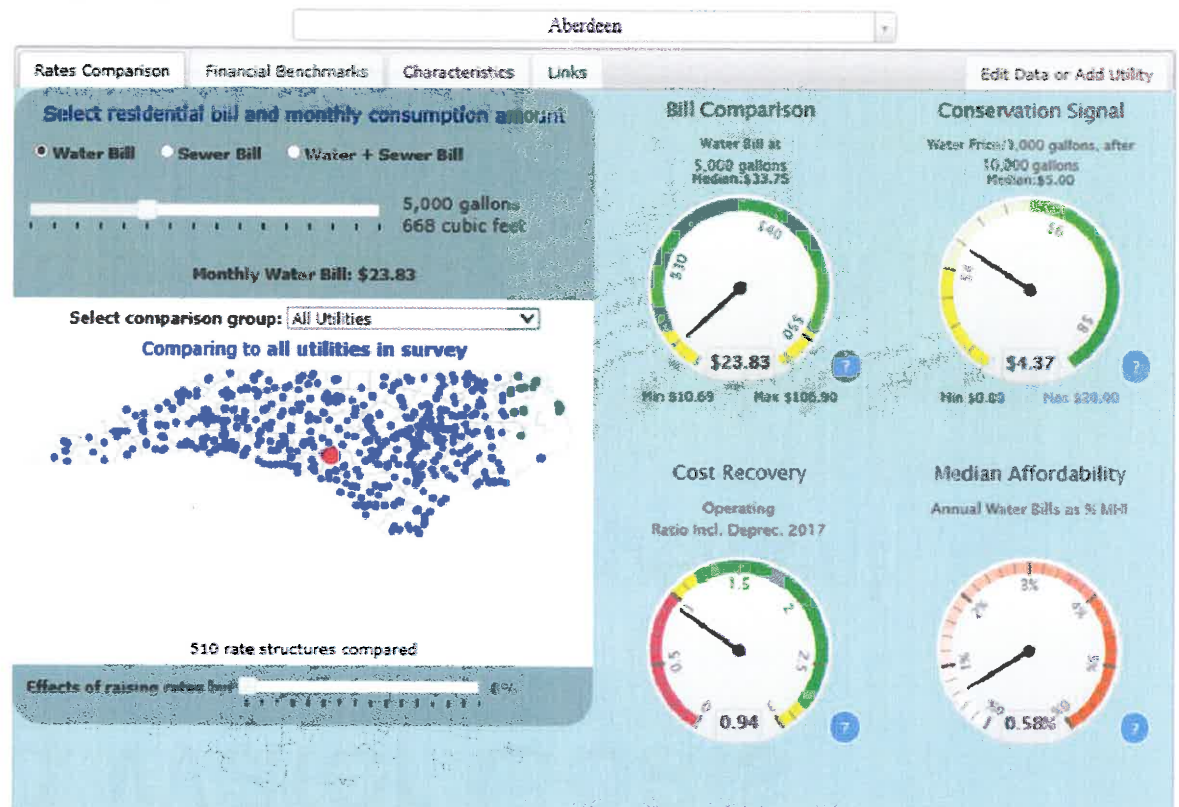
### Completing a Preventative and Predictive Maintenance Plan

Arizona, Kansas  
Iowa—Rural States  
Deal with these same  
problems in different  
ways!



SCHOOL OF  
GOVERNMENT  
Environmental  
Finance Center

## NC Water and Wastewater Rates Dashboard Rates as of January 1, 2018 Last updated: August 28, 2018



Copyright (c) 2018 Environmental Finance Center at the University of North Carolina, Chapel Hill



# “Re-imagining” Water Utilities

Fire



Drought

Aging Infrastructure

Security

Green Energy

Conservation—Demand Hardening

Population Growth

Affordable Housing





# Long-Term Water Utility Drinking Water Goals

- Infrastructure Replacement
- Diverse Sources
  - Groundwater storage
  - Desalination
  - More surface water storage
  - Recycled Water
- Green Energy
- Security (IT & Fire Protection)



# Thank you!

Contact:

[darrin.polhemus@waterboards.ca.gov](mailto:darrin.polhemus@waterboards.ca.gov)





# Safe Drinking Water Solutions for All Californians

Inland Empire Utilities Agency

Board Workshop

May 1, 2019

# Human Right to Water

- AB 685 (Eng, 2012): *“Every human being has the right to safe, clean, affordable and accessible water adequate for human consumption, cooking and sanitary purposes.”*

Accessible



Affordable



Reliable



*All Californians Deserve Safe Drinking Water - What is the Most Effective Way to Make this Happen?*



# What are the Statistics of the Statewide Challenge?

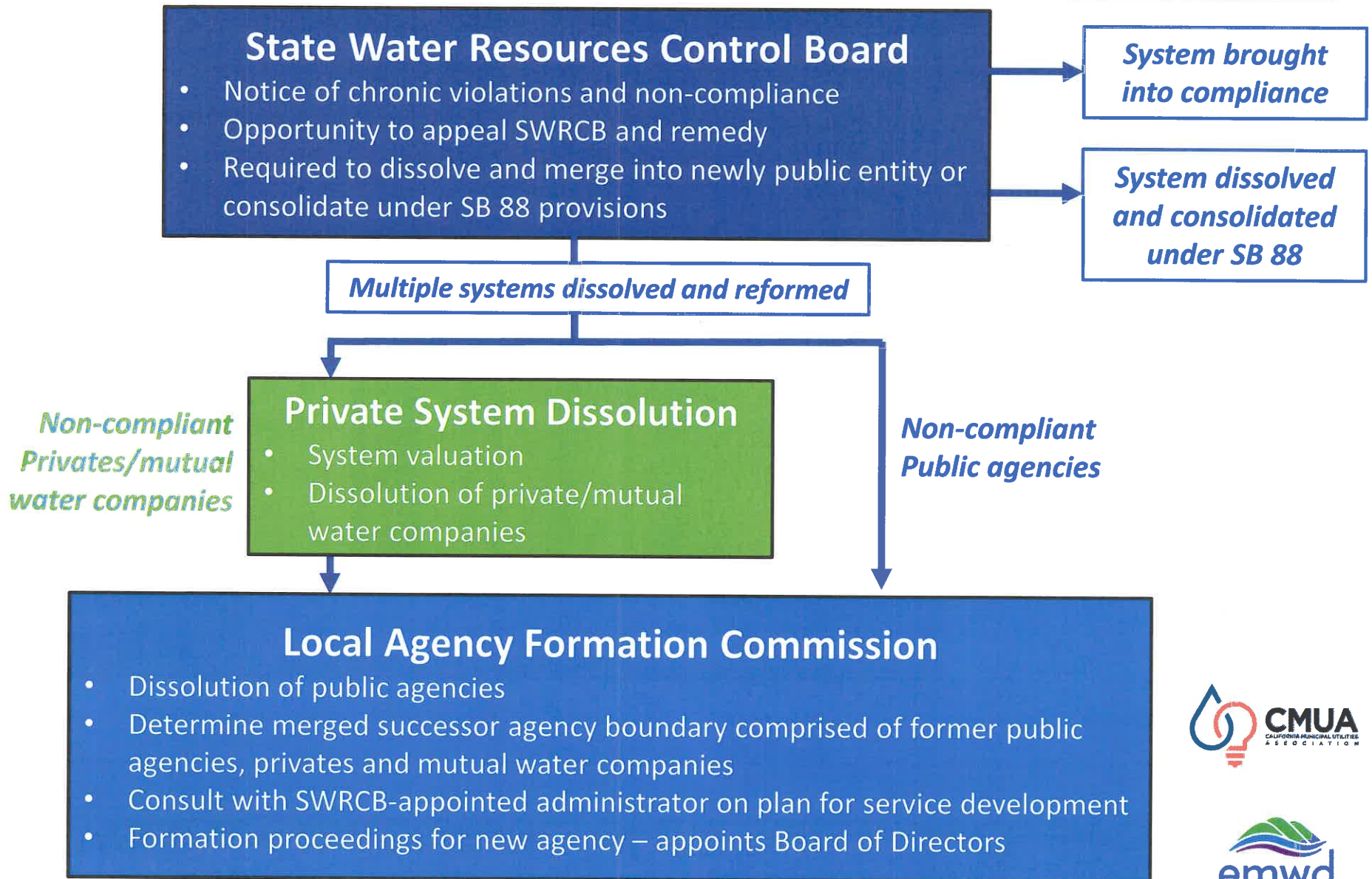
Non-compliant systems (Population)*	Number of Systems	Percent
10,000 or greater	9	3%
1,000 to 9,999	40	15%
100 to 999	128	48%
Under 100	<u>87</u>	33%
Total =	264	

**81% of the non-compliant systems serve less than 1,000 people (~ 400 service connections)**

\* SWRCB State Drinking Water Data Base, December 19, 2018 database

*These non-compliant community water systems cross all sectors including public agencies and schools (~40%) and privately owned or mutual water companies (~60%)*

# SB 414 - Small System Water Authority Act Implementation

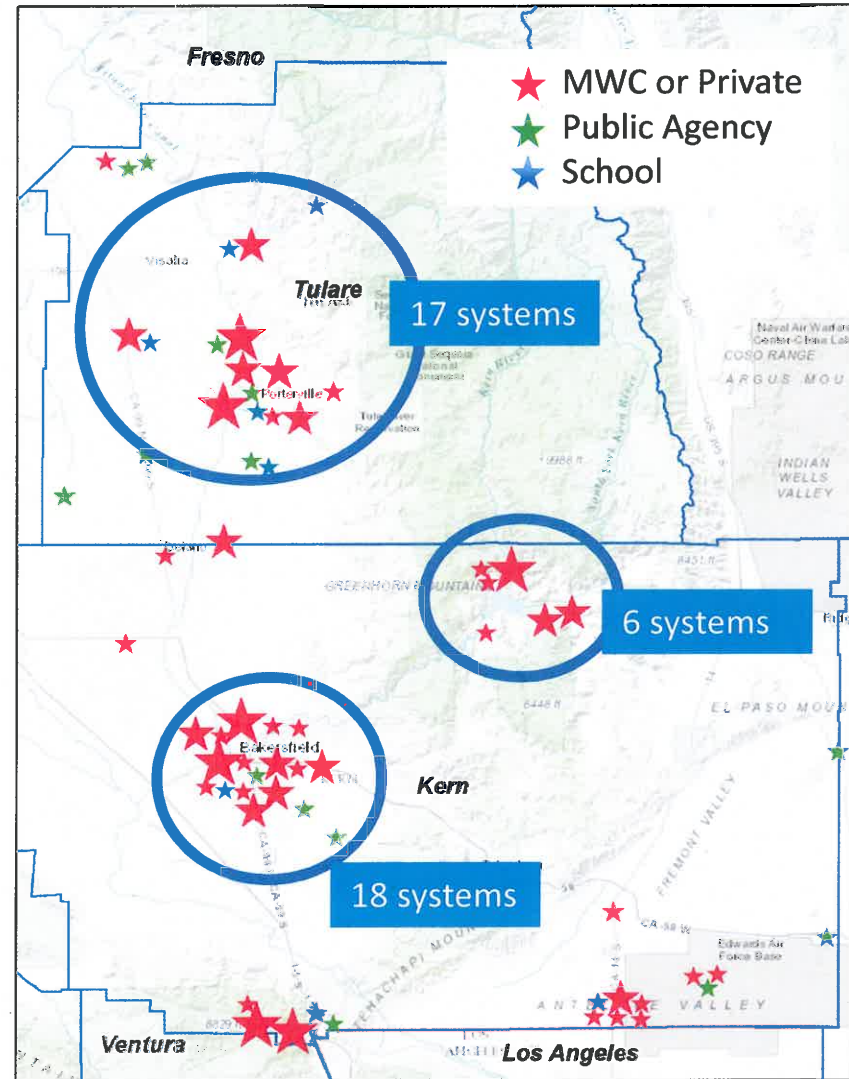


# Benefits and Small System Water Authority Act

- Merger of like entities into viable public water agency
- Participatory public governance
- Substantial reduction in number of small failing systems
- Merger provides economies of scale – frees-up operating rate revenue
- Establishes staff with technical and managerial expertise
- New internal and external financial resources
- Supplements existing private/public consolidations

*A sustainable solution to address underlying governance issues*

## Example Grouping of Non-Compliant Systems



Larger stars denote proportionately larger populations of small systems noted as “Out of Compliance” on SWRCB database.

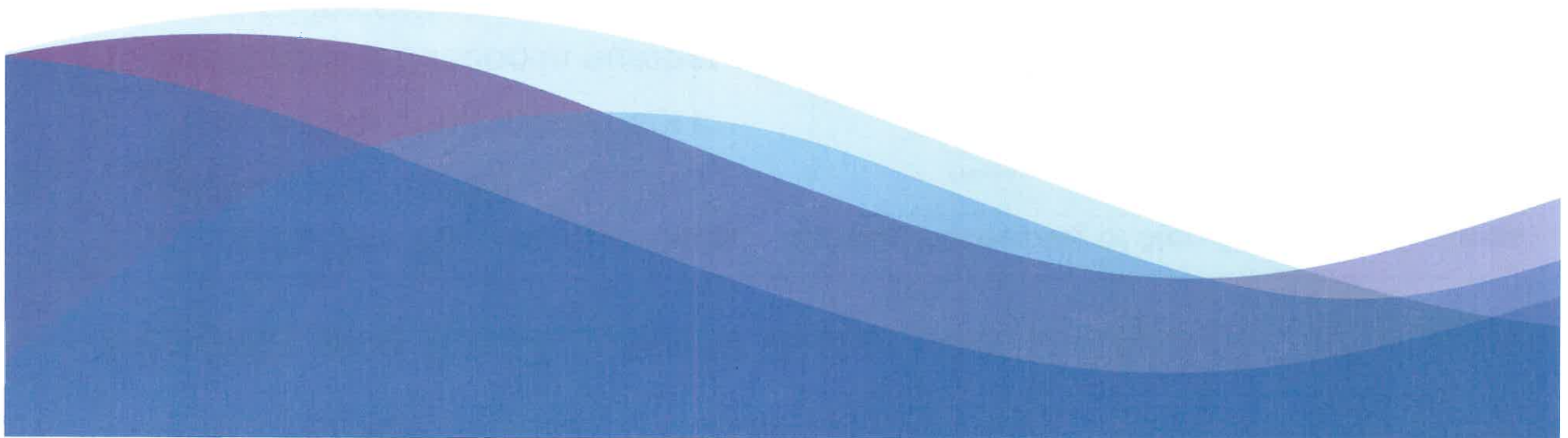


## Contact Information

Danielle N. Coats, Senior Legislative Program Manager

(951) 928-3777 x 4526

[coatsd@emwd.org](mailto:coatsd@emwd.org)







**COMMUNITY WATER CENTER**  

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**EL CENTRO COMUNITARIO POR EL AGUA**

# **A Safe and Affordable Drinking Water Fund for All Californians**

**Jonathan Nelson, Policy Director**

# Overview

- **The Problem**
- **The Solution: Safe and Affordable Drinking Water Fund**





## **Our Mission**

Act as a catalyst for community water solutions through organizing, education and advocacy in California's San Joaquin Valley.

## **Our Vision**

Ensure that ALL Californians have access to safe, clean and affordable water.



# Advancing community-driven water solutions through organizing, education, and advocacy









A group of diverse people are gathered for a protest or demonstration. In the foreground, several individuals hold up handmade signs. One sign on the left reads "Access to clean water is the LAW." Another sign on the right says "Acceso a agua limpia es un Derecho Humano!". In the background, a person is wearing a blue hooded costume with large white eyes. A semi-transparent blue rectangular box is overlaid on the center of the image, containing white text.

## 2012 Human Right to Water Act

“Every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes.”

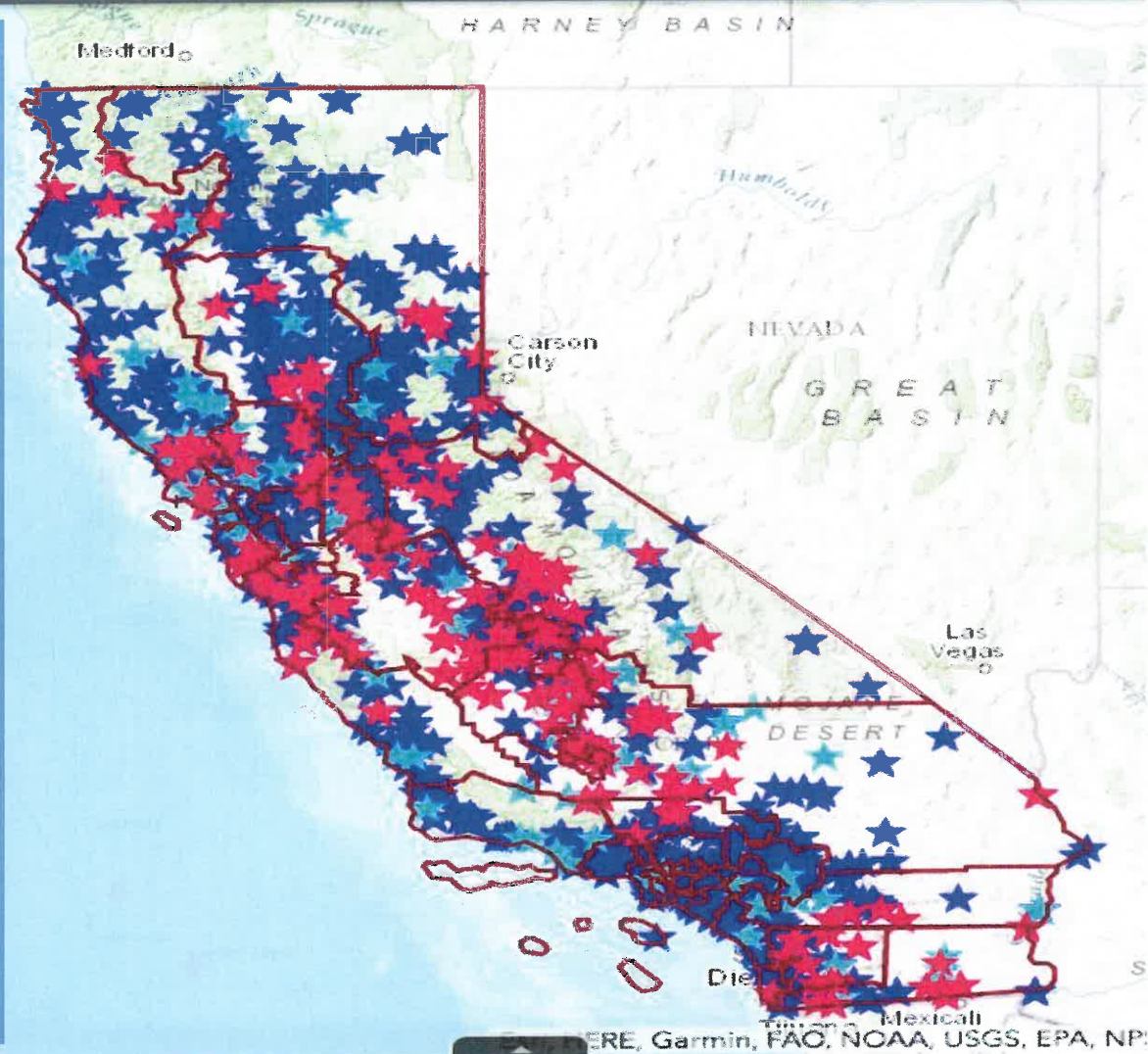




Find System or Address

**More than 1 million Californians impacted by unsafe drinking water each year!**

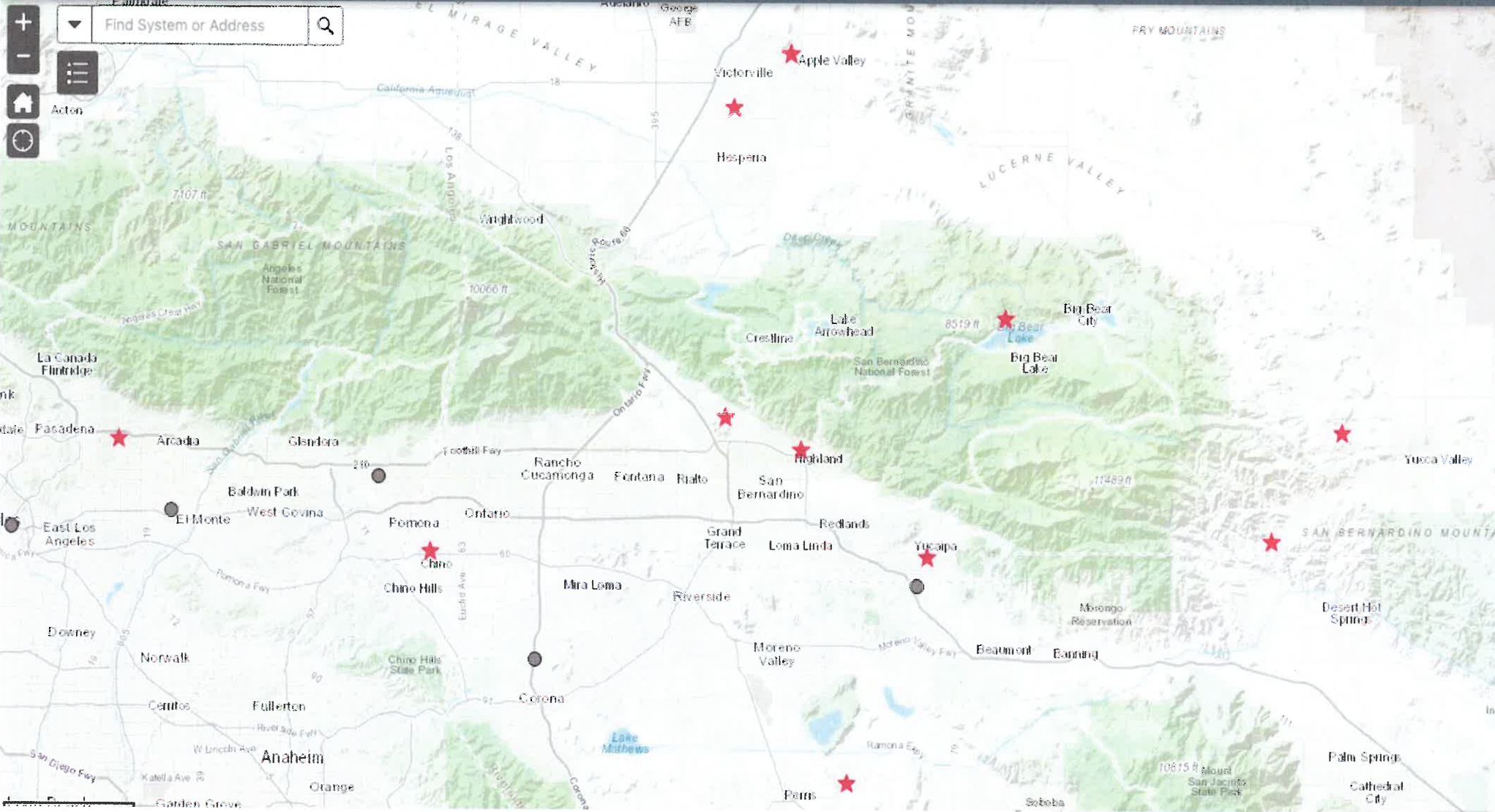
SWRCB





# Exceedance/Compliance Status of Public Water Systems

HR2W Portal Map User Guide






# GET THE LEAD OUT

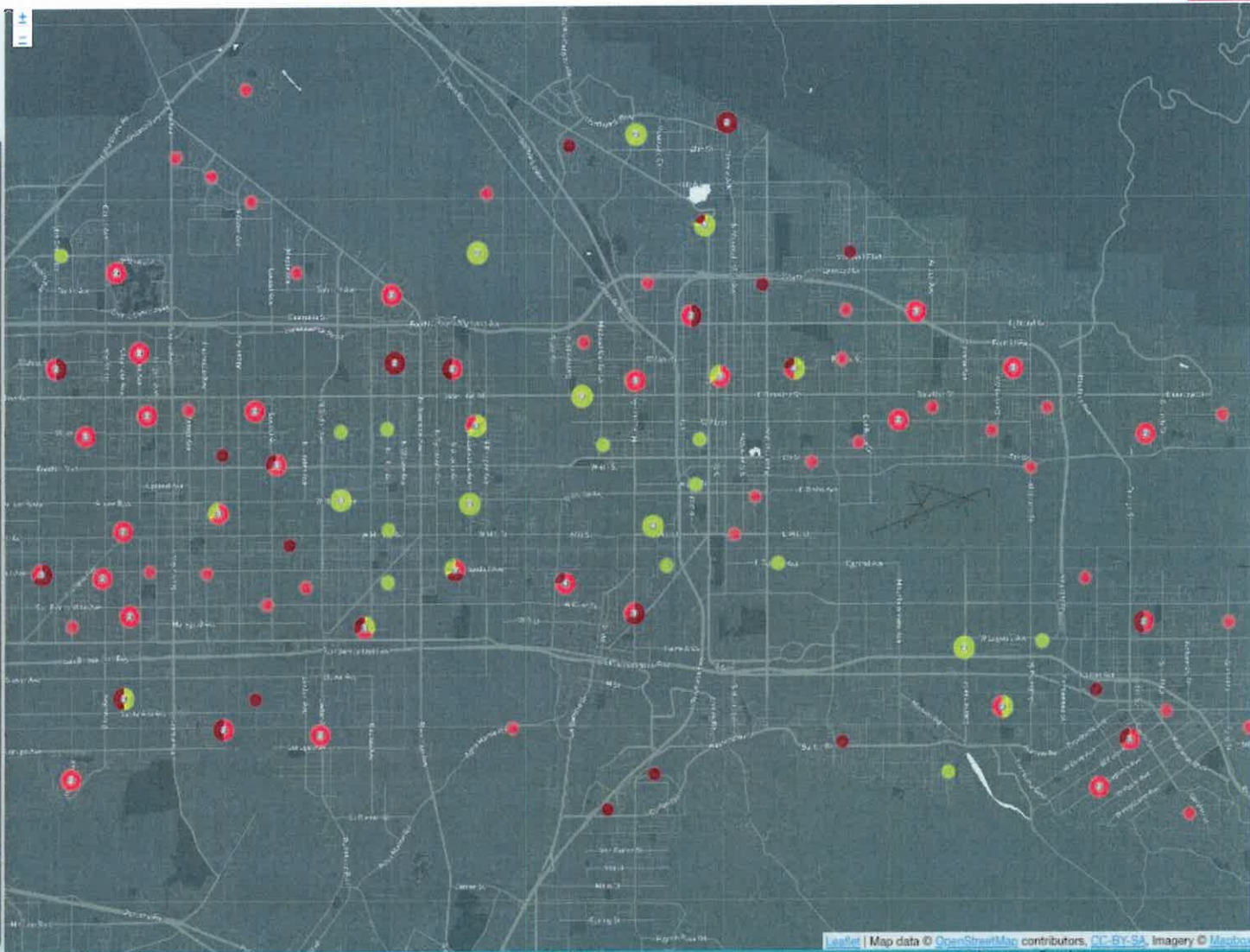
Info Find My School

- San Bernardino County
- Ontario
- School District
- School



< 5 ppb  
Washington High

Data wrangling: [Sasha Gill](#) @ Flowwest  
Mapping, front-end, data viz: GeoSurge



Lead Level School District Address

- Exempt
- Untested
- Lead < 5 ppb
- Lead >= 5 ppb

Leaflet | Map data © OpenStreetMap contributors, CC-BY-SA, Imagery © Mapbox



# The Operations and Maintenance Gap

Safe drinking water requires effective water treatment systems.



Effective water treatment systems require operations (power, chemicals, supplies and people to run the facilities) and maintenance (keeping facilities in good repair).



Effective operations and maintenance requires reliable, sustainable, multi-year funding.




The Safe Drinking Water State Revolving Fund cannot fill the gap.

Small, rural, and/or disadvantaged communities cannot fill the gap.

The California General Fund cannot fill the gap.



# **A Safe and Affordable Drinking Water Fund for ALL Californians**

- Provide universal access to safe drinking water Focused on most vulnerable communities and households (like domestic wells)
  - Ensure funding is recession-proof
  - Ensure we can pass something this year that actually solves the problem
  - Designed to cover gaps in funding (like O&M)
  - Benefit both urban and rural California
- 




# A Safe and Affordable Drinking Water Fund for ALL Californians


- \$140 million annually through new fees on agriculture and new very small (less than \$1) monthly fee on water bills – Californians under 200% of FPL exempt
- Fees are capped
  - \$.95 cents monthly for single family homes
  - Max up to \$10 monthly for largest water users (e.g., industrial)
- Multiple ongoing transparency measures

Water agencies can reimburse for implementation costs

# **A Safe and Affordable Drinking Water Fund for ALL Californians**

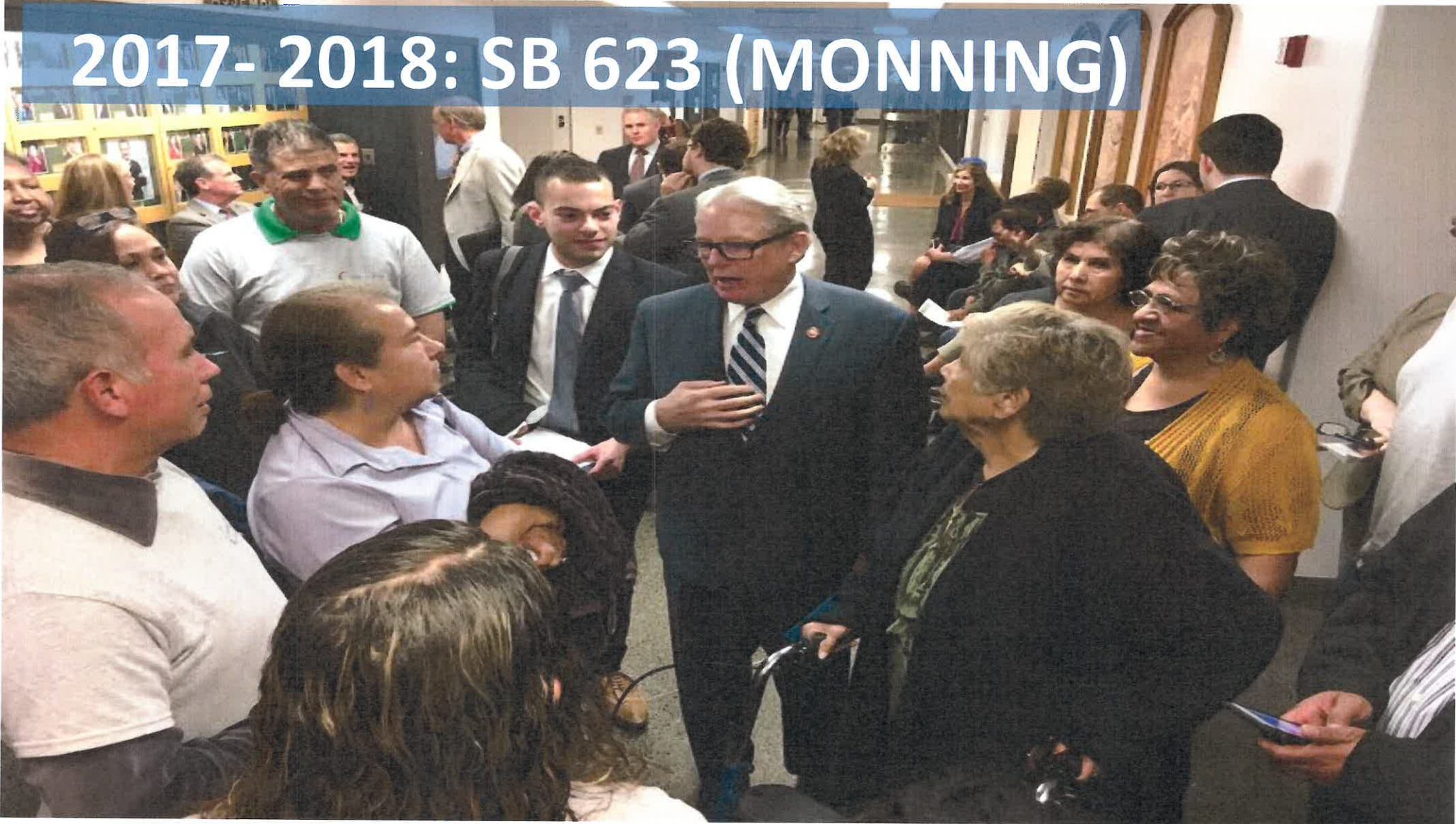
- Address systems that are out of compliance (or vulnerable to moving into being out of compliance)
  - Ensure water affordability post-consolidation
  - Address lead remediation
  - Flexible to address future water challenges
  - Prevent erosion to trust in drinking water
- 

# **SB 669 (Caballero) – Trust Proposal**

- Trust Proposal requires 4+ billion dollars (according to Legislative Analyst's Office)
  - Would leave out 2 million Californians not served by a community water system (including nearly 400 schools)
- 



# 2017- 2018: SB 623 (MONNING)

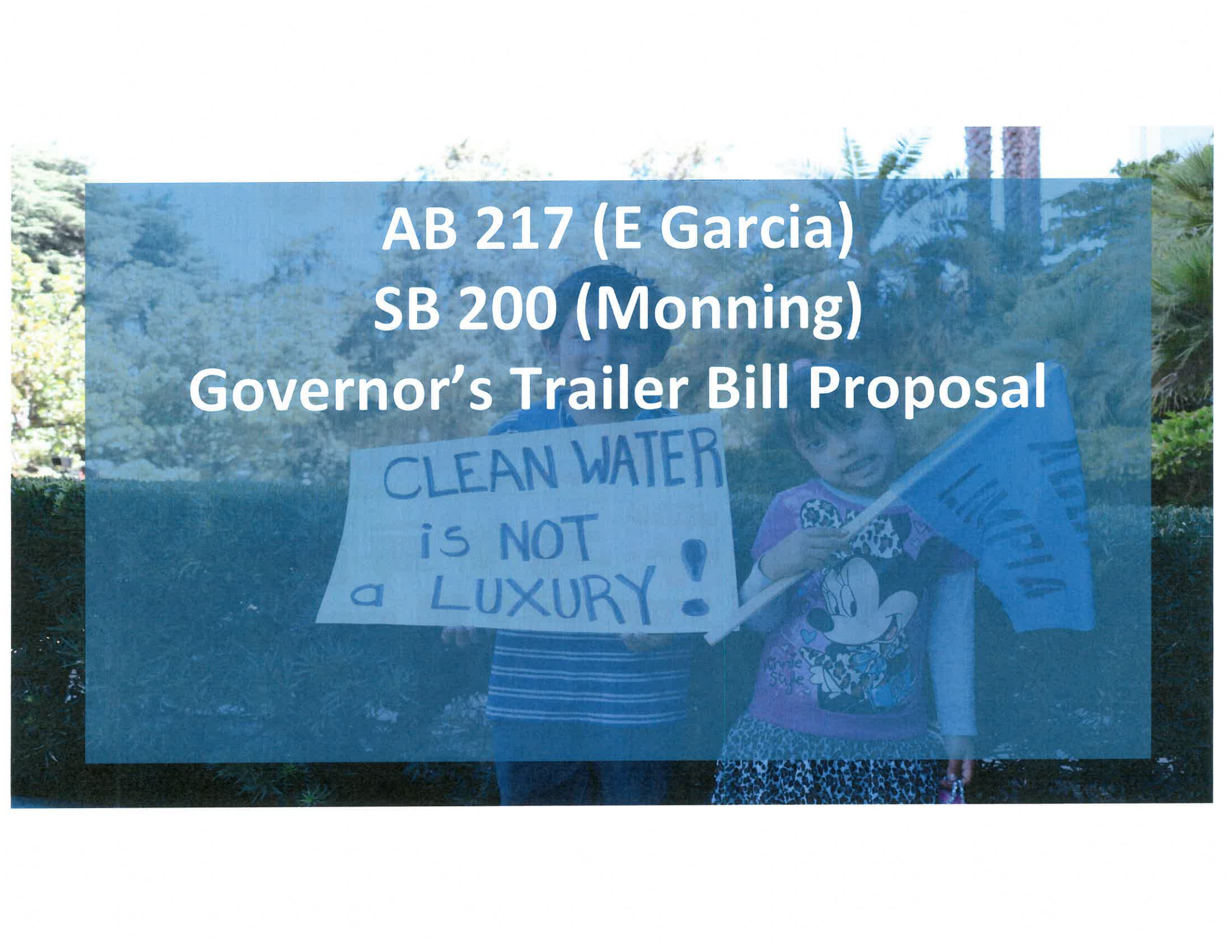




**AB 217 (E Garcia)**  
**SB 200 (Monning)**  
**Governor's Trailer Bill Proposal**

CLEAN WATER  
is NOT  
a LUXURY!

WATER  
IS  
A  
RIGHT









**Gavin Newsom**

@GavinNewsom

Follow

**Took my Cabinet on a surprise trip to the Central Valley to hear directly from folks who lack access to affordable, clean water.**

**Our first stop: we met with residents who cannot drink or bathe with the water in their homes — while paying more for it than those in Beverly Hills.**



2:56 PM - 11 Jan 2019



**Because clean  
water is a right,  
not a privilege.**



**Communitywatercenter.org  
Safewaterforca.org**

**Jonathan.Nelson@  
communitywatercenter.org**

