

State Water Board, Division of Drinking Water  
Staff Workshop—January 11, 2019  
**Needs Assessment:**  
**Public Water System Risk Factors**

Email comments will be accepted during the workshop at:  
[auditorium@calepa.ca.gov](mailto:auditorium@calepa.ca.gov)

Email comments will be accepted after the workshop at:  
[michelle.frederick@waterboards.ca.gov](mailto:michelle.frederick@waterboards.ca.gov)

Slides will be available 3-days after the event at:  
[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/needs.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/needs.html)

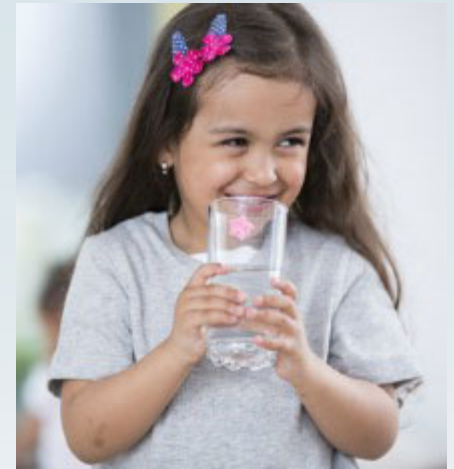
# Drinking Water Needs Assessment Workshops

Darrin Polhemus, Deputy Director  
Division of Drinking Water  
State Water Resources Control Board

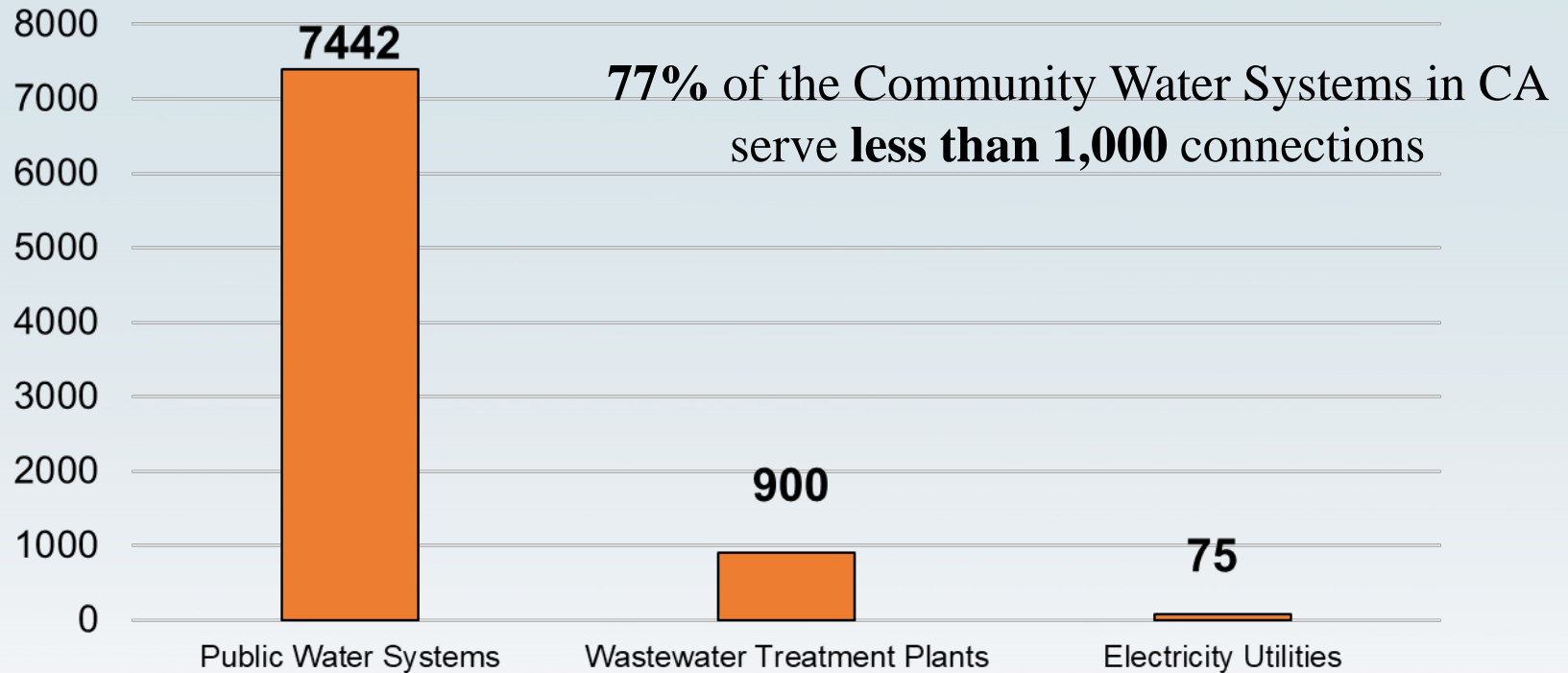


# Human Right to Water

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



# Comparison with Other Utilities



# Needs Assessment Background

Senate Bill 862, Budget Act of 2018:

- Appropriated \$3,000,000 for needs analysis of drinking water systems
- Funds must be encumbered by June 2020 and liquated by June 2021



# Needs Assessment Focus

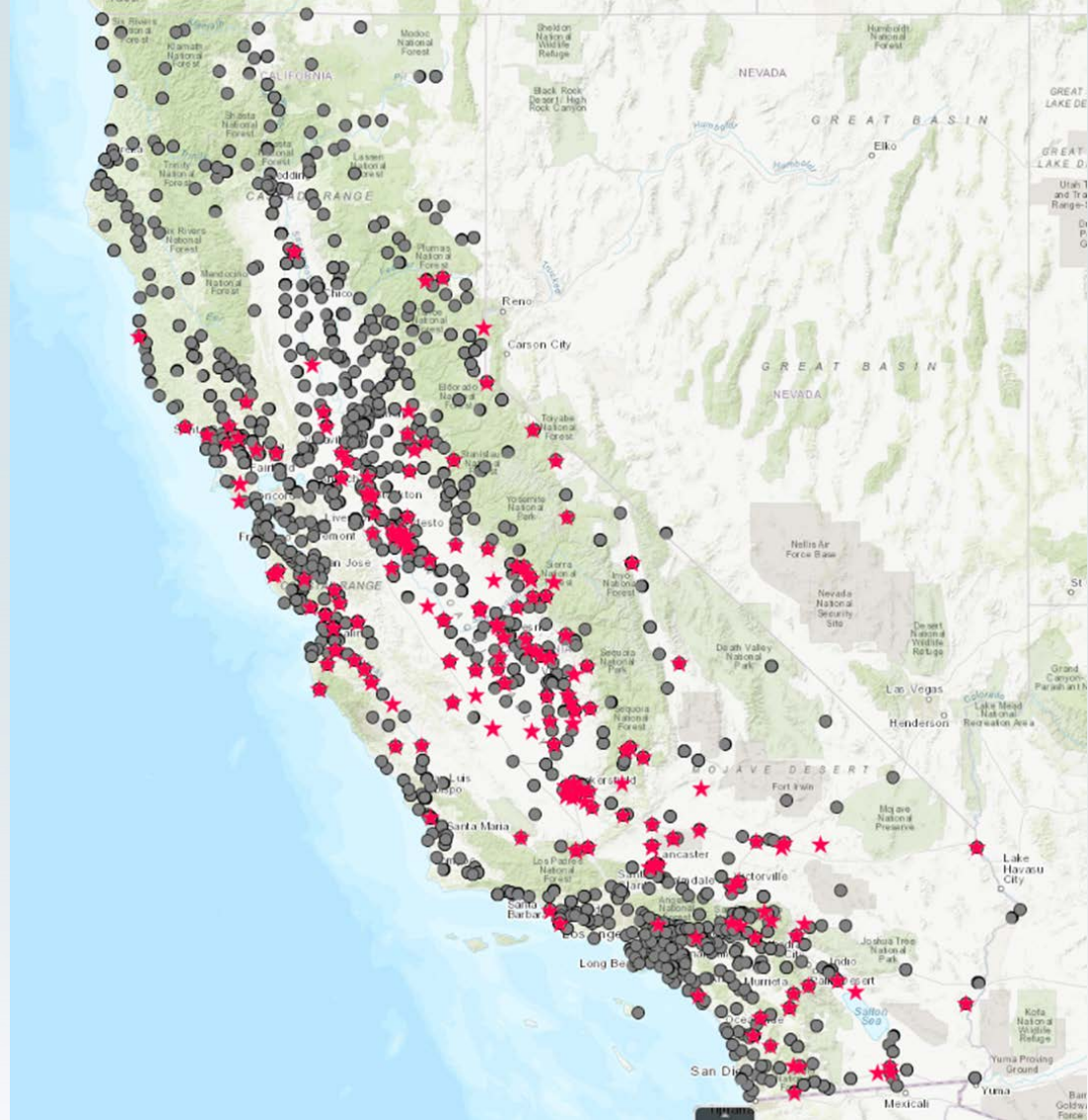
Evaluate the costs of providing safe, affordable, and accessible drinking water supply to:

- Public Water Systems
- State Small Water Systems, and
- Individual Wells, as funding allows



# Existing Water System Violations

- 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)



# Today's Workshop Focus

## Identifying Unsustainable Water Systems





# Examining Potential Indicators of Risk



# Top 5 Indicators of Risk

1. Low number of connections (< 500)
2. Water rates including only O&M and limited emergency reserves
3. Single source
4. Significant infrastructure failure already occurring
5. Risk zones – fire, contamination, earthquake, flooding
6. Lack of needed water rights, legal status, insurance



# Other Needs Assessment Workshops

Domestic Well Workshop

January 18, 2018

10am to 4pm

Cost Estimation Workshop

May 10, 2018 (*tentative*)

