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

Email comments will be accepted after the workshop at:
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
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

77% of the Community Water Systems in CA serve **less than 1,000** connections.

<table>
<thead>
<tr>
<th>Public Water Systems</th>
<th>Wastewater Treatment Plants</th>
<th>Electricity Utilities</th>
</tr>
</thead>
<tbody>
<tr>
<td>7442</td>
<td>900</td>
<td>75</td>
</tr>
</tbody>
</table>
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
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)