

GET THE LEAD (AND COPPER) OUT

- MODERATED BY COMMISSIONER
MARIA S. BOCANEGRA,
ILLINOIS COMMERCE COMMISSION
- PANELISTS:
 - SUZANNE CHIAVARI, AMERICAN WATER
 - MEGAN GLOVER, I20 WATER AUDIT
 - MIKE MCGILL, WATER PIO



EPA's Lead and Copper Rule Proposal

EPA is proposing the first major overhaul of the Lead and Copper Rule (LCR) since 1991

EPA's proposal takes a proactive and holistic approach to improving the current rule—from testing to treatment to telling the public about the levels and risks of lead in drinking water.

By investing in thoughtful, preventative actions now, we can reduce our risks and better protect our families and our future.

EPA's proposed rule includes focused efforts to provide communities with the tools they need to help protect children from lead exposure where they live, learn and play.



To learn more visit: www.epa.gov/safewater/LCRproposal

The proposal focuses on six key areas:



Identifying the most impacted areas by requiring water systems to prepare and update a publicly-available inventory of lead service lines and requiring water systems to “find-and-fix” sources of lead when a sample in a home exceeds 15 parts per billion (ppb).



Strengthening treatment requirements by requiring corrosion control treatment based on tap sampling results and establishing a new trigger level of 10 ppb.



Replacing lead service lines by requiring water systems to replace the water system-owned portion of an LSL when a customer chooses to replace their portion of the line. Additionally, depending on their level above the trigger level, systems would be required to take LSL replacement actions.



Increasing drinking water sampling reliability by requiring water systems to follow new, improved sampling procedures and adjust sampling sites to better target locations with higher lead levels.



Improving risk communication to customers by requiring water systems to notify customers within 24 hours if a sample collected in their home is above 15 ppb. Water systems will also be required to conduct regular outreach to homeowners with LSLs.



Better protecting children in schools and child care facilities by requiring water systems to take drinking water samples from the schools and child care facilities served by the system.



Funding and Financing Lead Service Line Replacement

EPA and HUD encourage states and cities to leverage federal resources to support local lead service line replacement projects:

- The Drinking Water State Revolving Loan Fund
- EPA's Water Infrastructure Improvements for the Nation Act grant programs
- EPA's Water Infrastructure Finance and Innovation Act financing program
- HUD's Community Development Block Grants

To learn more visit: www.epa.gov/safewater/plpereplacement



Taking Proactive Actions to Prevent Lead Exposure

The proposed LCR maintains the current Maximum Contaminant Level Goal (MCLG) of zero and the Action Level of 15 ppb. The proposed rule will require a more comprehensive response at the action level, and introduces a trigger level of 10 ppb that requires more proactive planning in communities with lead service lines.



GET THE LEAD OUT EPA PROPOSED LEAD AND COPPER RULE – LONG TERM REVISION

NARAC 2019 Annual Meeting



AMERICAN WATER

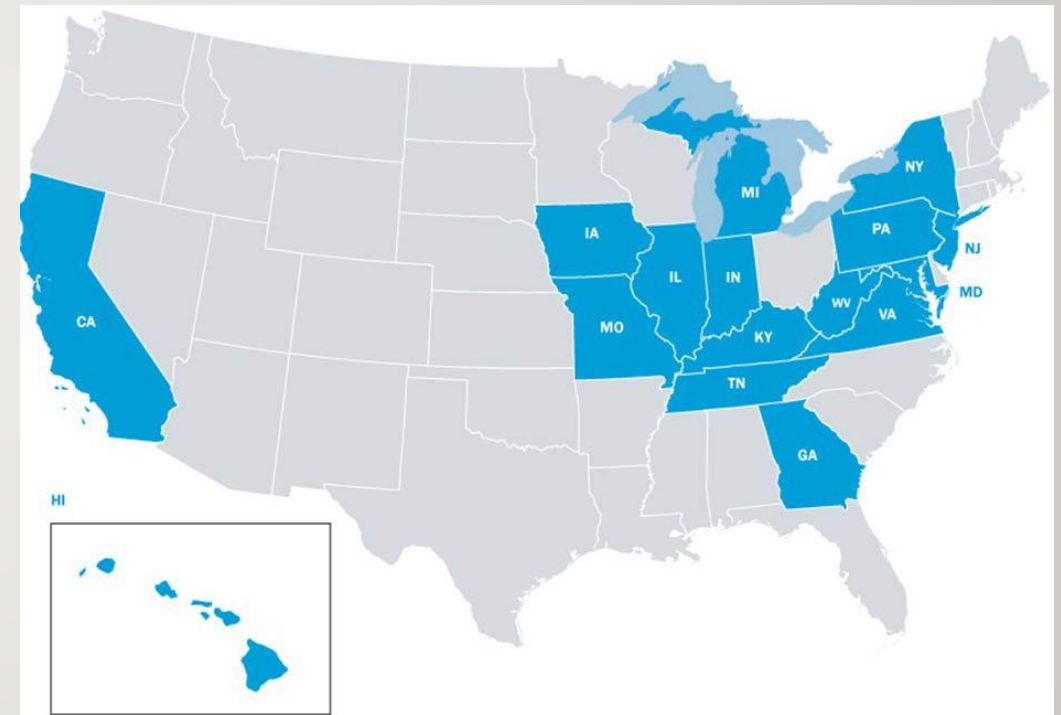
OUR REGULATED BUSINESS

We manage more than 500 individual water and wastewater systems across the country.

Every day, we operate and manage:

- ★ **51,000** miles of transmission, distribution and collection mains and pipes
- ★ **81** surface water treatment plants
- ★ **530** groundwater treatment plants
- ★ **1,000** groundwater wells
- ★ **130** wastewater treatment facilities

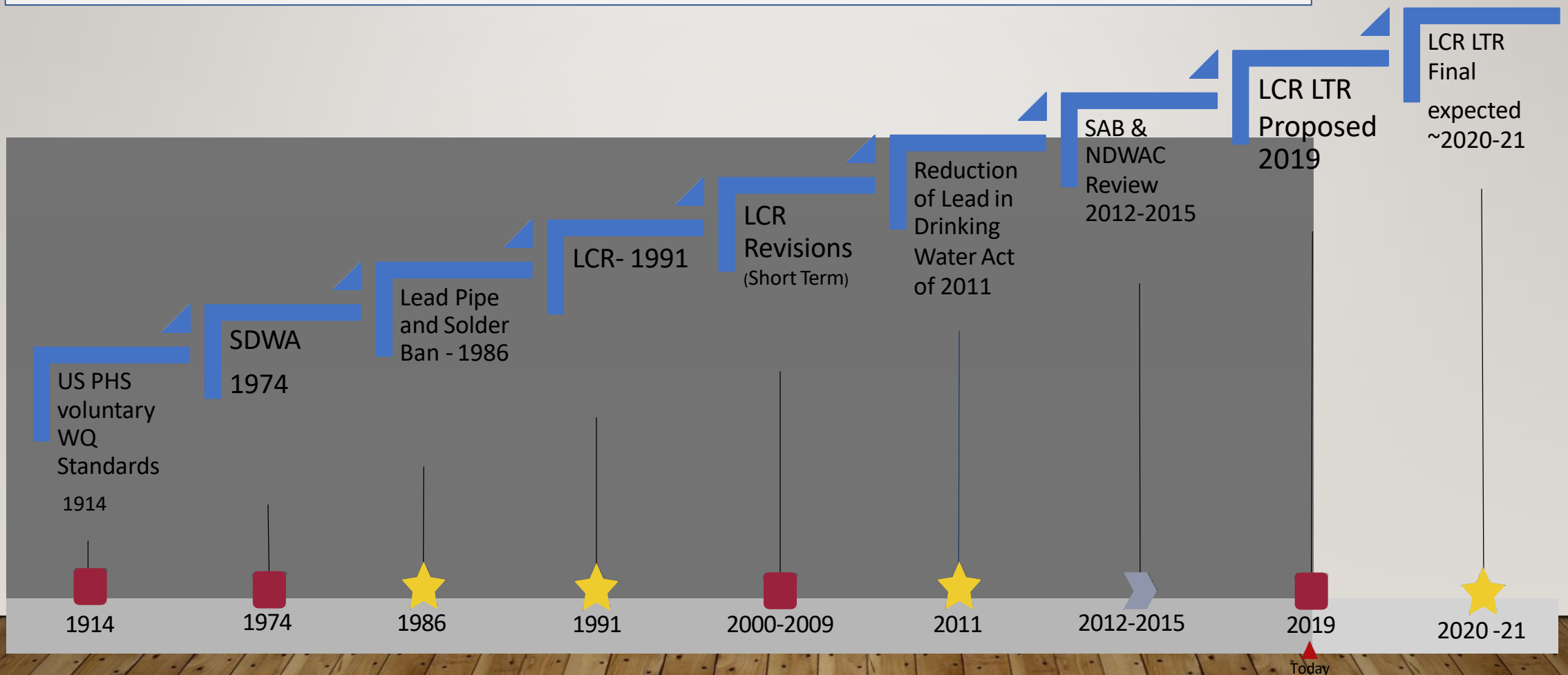
American Water's Regulated Presence



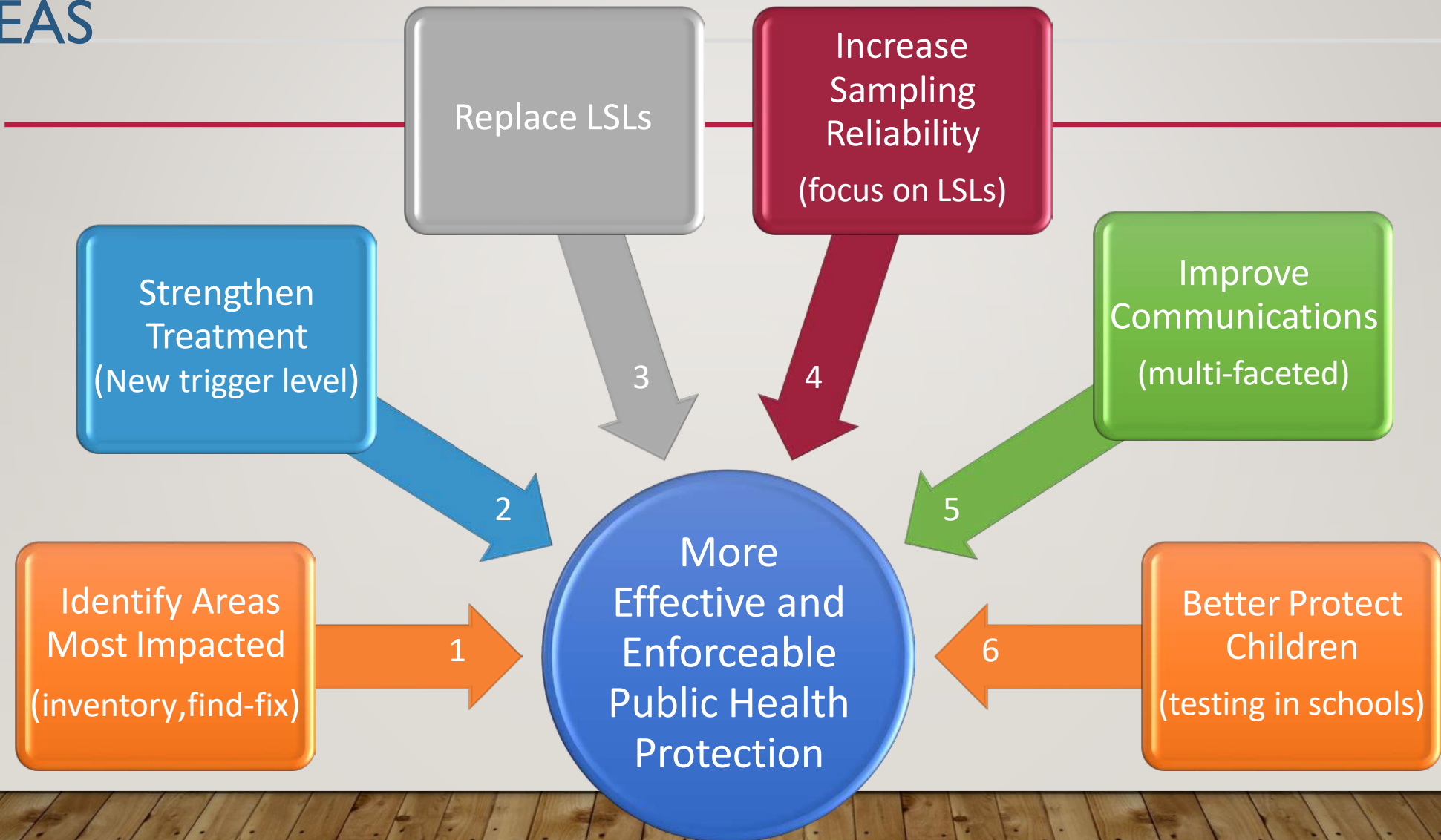
DRINKING WATER REGULATIONS BECOME MORE STRINGENT

Goal for Lead is 0 ppb

Regulation progresses from no limit → 50 → 15 → proposed trigger 10 ppb (0.010 mg/L)



PROPOSED SUITE OF ACTIONS: SIX KEY FOCUS AREAS



WHAT WILL UTILITIES NEED?

1. Stakeholder Engagement in Solutions
 2. Recognition & Timely Recovery of Additional Costs
 3. Eliminate LSLs
- Over the last 2 years, AW has eliminated over 20,000 LSLs during water main replacement / rehab



Contact Info

Suzanne Chiavari, PE
Director - Engineering
American Water
856.955.4272

Suzanne.Chiavari@amwater.com



120WaterAudit

120WaterAudit **Digital Water Cloud**

Megan Glover
Co-Founder & CEO
@megancglover



OUR PLATFORM TRANSFORMS how water programs are managed

Our **Water Program Management Platform's** cloud software and kits transform how **Public Water Systems, Facilities and Government Agencies** manage their water programs that protect public health.

Customers across 14 states have adopted our **Digital Water Cloud™** to run their programs.



New Rules and Laws + Crumbling Water Infrastructure

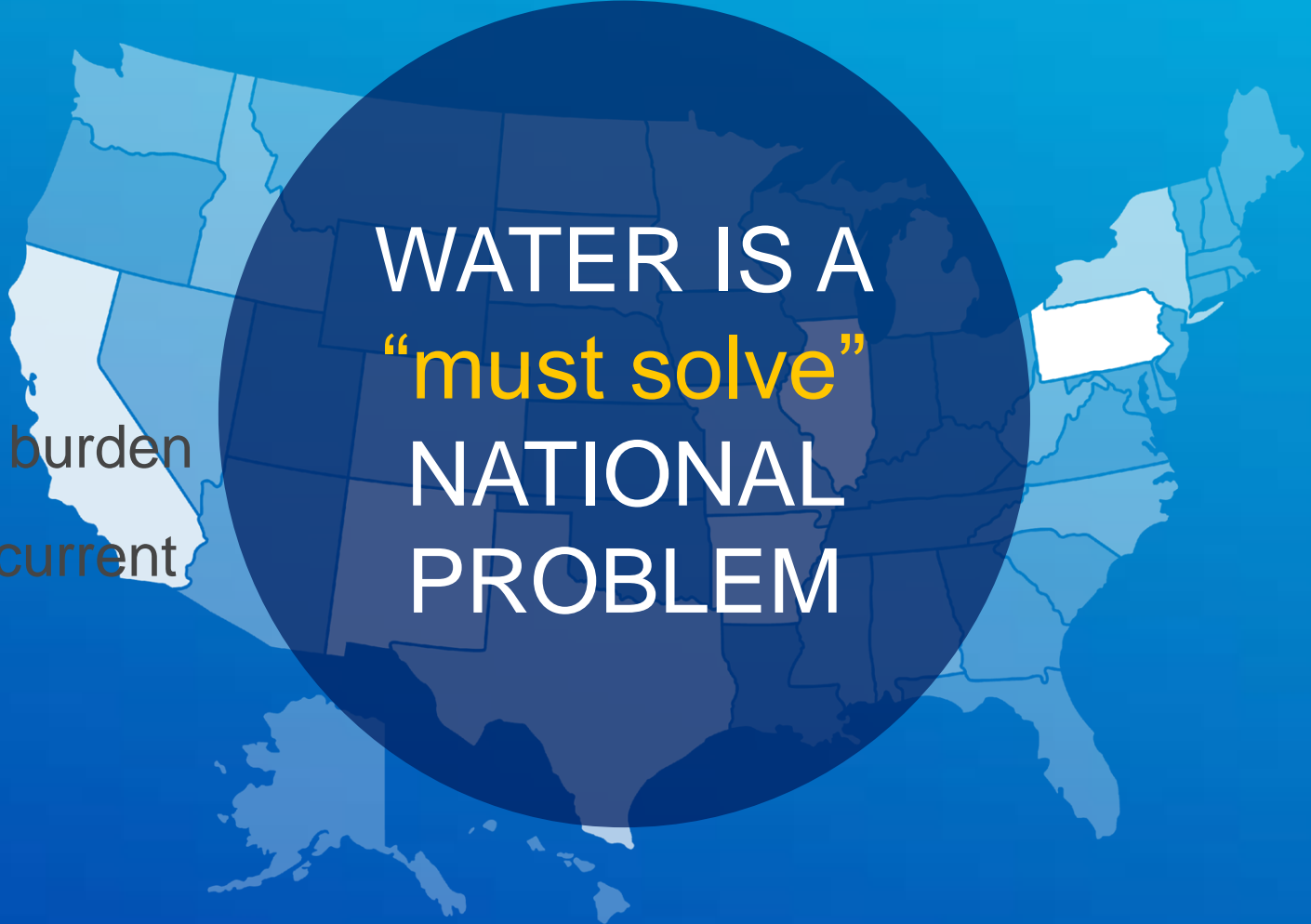
10 Million estimated lead service lines in use

Billions of dollars in federal funding

LCCR revisions impose great burden

5000 current violations in the current LCR

PFAS legislation emerging



WATER IS A
“must solve”
NATIONAL
PROBLEM





120WaterAudit

Megan Glover

megan@120WaterAudit.com