

TIME

The Poisoning Of An American City



Toxic water. Sick kids. And the incompetent leaders who betrayed Flint

By Josh Sanburn

The shallowest Great Lake provides drinking water for more people than any other. Algae blooms are making it toxic — and it's getting worse.

By TONY BRISCOE
CHICAGO TRIBUNE | NOV 14, 2019 | 12:33 PM | TOLEDO, OHIO



A boat of copper...

LOCAL NEWS

Report: Extremely high levels of GenX-like chemicals in Wilmington drinking water for years

Tags: GenX, Chemours, Cape Fear River, Wilmington, drinking water
Posted October 9



AMERICA'S FAILING WATER INFRASTRUCTURE

The American Society of Civil Engineers (ASCE) gave the drinking water infrastructure of the United States a whopping grade of D.



20% of the nation's water treatment systems have violated key provisions of the Safe Drinking Water Act as of 2009.

PFAS contamination is Michigan's biggest environmental crisis in 40 years

These once-common chemicals are linked to cancer and a host of other ailments. And they may be tainting more than 11,000 sites around Michigan.

Keith Matheny, Detroit Free Press
Updated 4:27 p.m. EDT Apr. 26, 2019



Million-gallon raw sewage leak shuts down miles of California coastline

A water pollution advisory is in place until at least Monday

Dave Maclean New York | @geordiastory | 3 days ago |

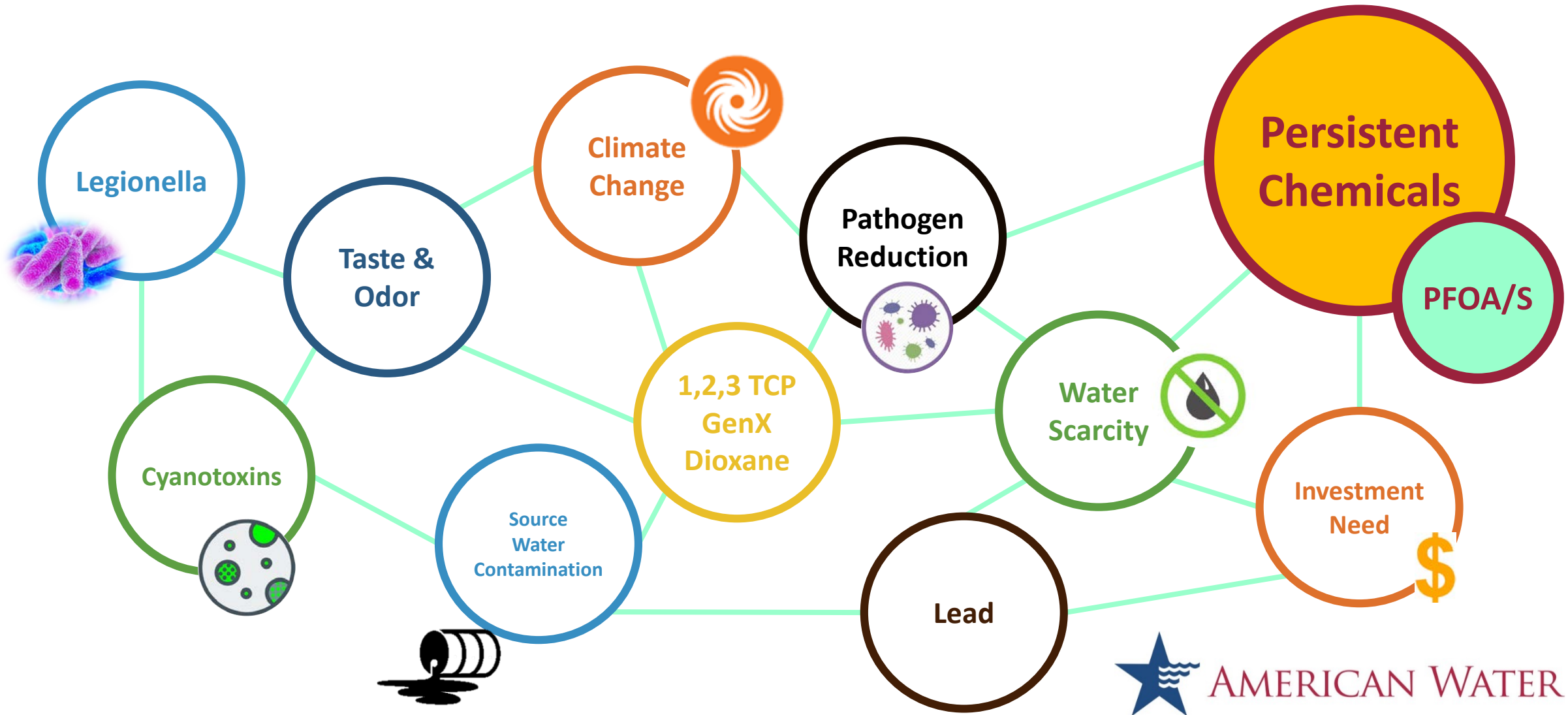


The need for WASTEWATER INFRASTRUCTURE EXCEEDS \$271 Billion

California's DROUGHT Year 3

So, just how bad is it?
After three dry years, all the factors influencing California's water supply are suffering.

Current & Emerging Issues in the Water Industry



The Challenge of Water Contaminants

- Complex (non-)Regulatory Environment
- Highly Emotional Issue
 - “Forever” Chemicals
- Rapidly Evolving Area Due to Litigation
 - State Judge just blocked New Hampshire’s MCL on PFAS
- Strain on Existing Budgets and Decades of Underfunded Infrastructure

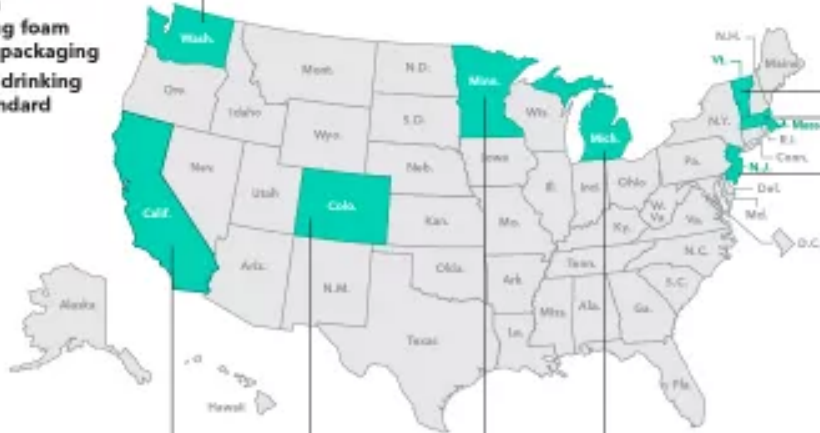
Complex Regulatory Environment



States With Numerical PFAS Limits

Washington

- Banned in firefighting foam and food packaging
- Proposed drinking water standard



Vermont

- 20 PPT (PFAS)
- Drinking water health advisory for 5 PFAS

Massachusetts

- 70 PPT (PFAS)
- State guidance for concentrations of 5 PFAS in drinking water

New Jersey

- Set PFNA standard at 13 ppt
- Weighing proposed standards for: PFOA at 14 ppt, PFOS at 13 ppt

California

- 14 PPT (PFOA)
- 13 PPT (PFOS)
- Drinking water notification guidance

Colorado

- PFOA/PFAS listed as hazardous waste
- 70 PPT (Combined PFOA/PFOS)
- Groundwater quality standard for El Paso County only

Minnesota

- 35 PPT (PFOA)
- 27 PPT (PFOS)
- Health-based guidance values

Michigan

- 70 PPT (Combined PFOA/PFOS)
- State standard for concentrations in drinking water

- Health Advisories...
- Guidance...
- Proposed Standards...
- Enacted Standards...
- Studies...
- Federal...
- State...

Source: Bloomberg Environment

