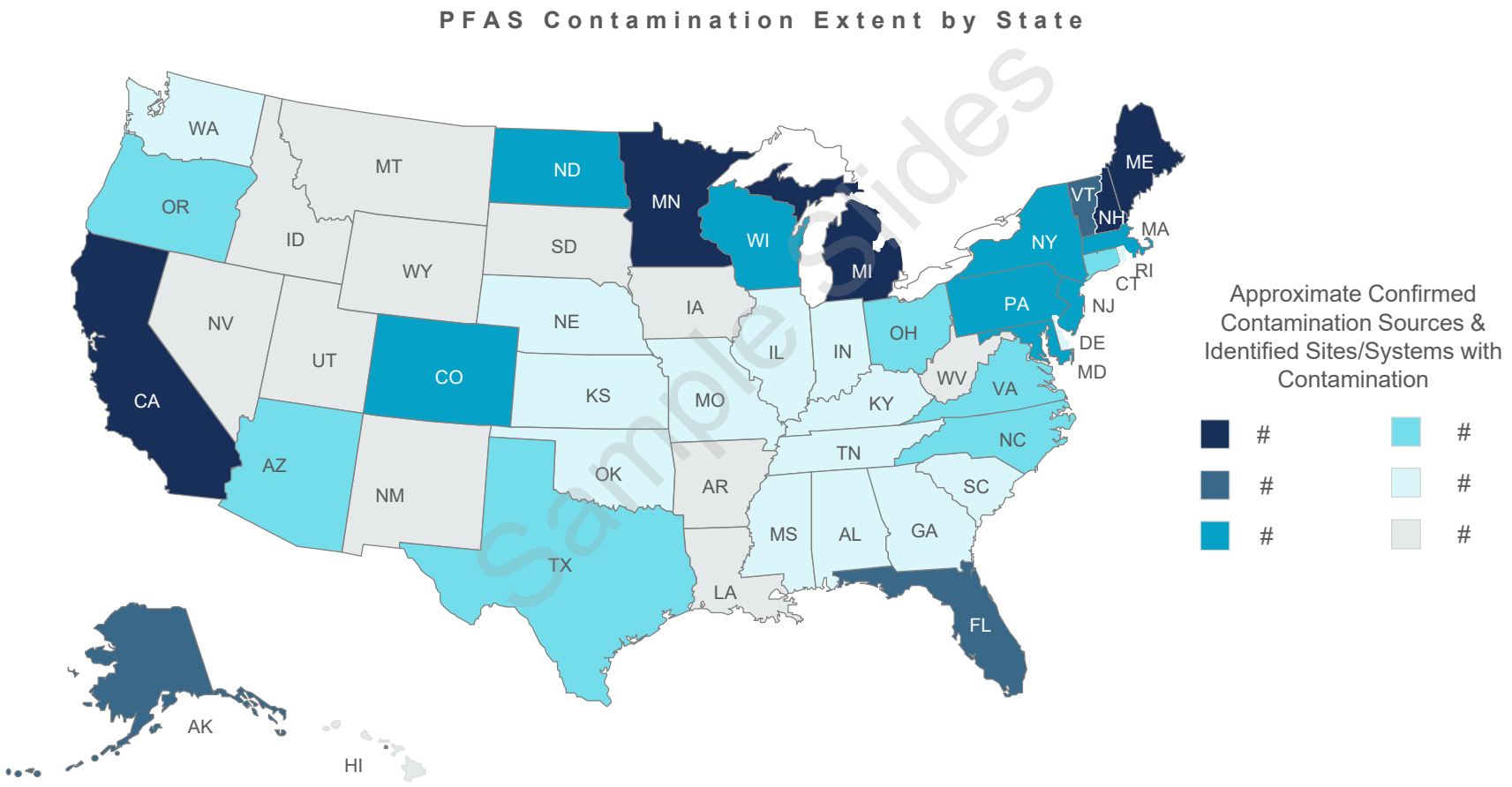
PFAS Sites Identified Proliferate across the Country

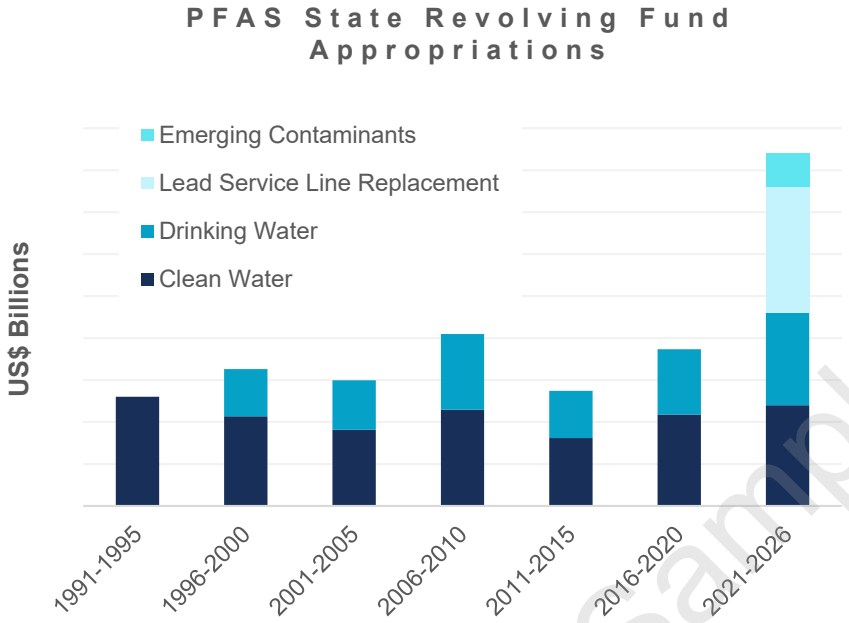
To date, most PFAS-impacted water systems have been found to be in the vicinity of military, industrial, and landfill sites. As testing continues to expand, it is expected that these chemicals will be found in most water systems across the U.S. in some degree, with concentrations depending on each systems location to PFAS sources.

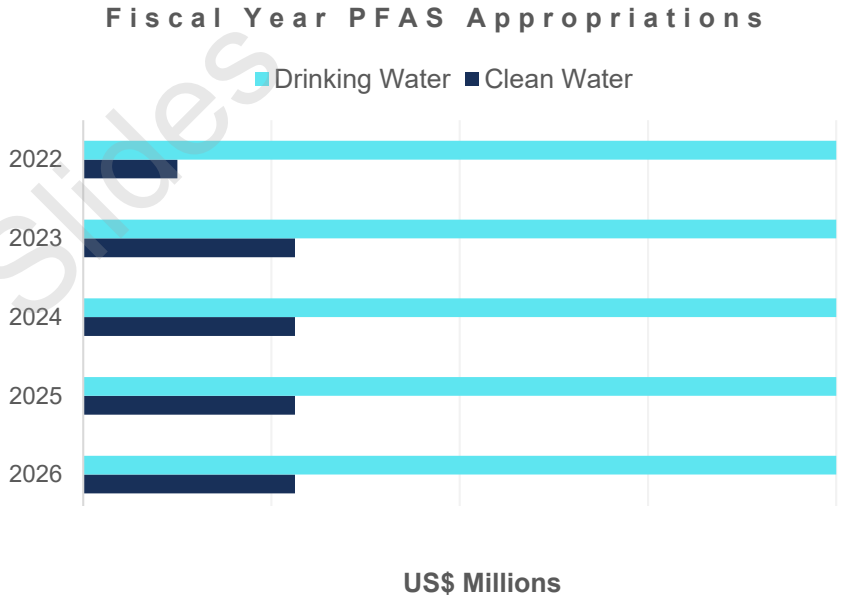


Source: Northeastern University SSEHRI PFAS Project Lab, Bluefield Research

Key PFAS Funding Channels

The U.S. EPA has developed guidance criteria for states that willl look to receive funding for addressing emerging contaminants through the IIJA.





Source: US Environmental Protection Agency, Bluefield Research

Company Profile

Founded in 1990, company is a leading global infrastructure consulting firm headquartered in Dallas, Texas. The firm delivers solutions for a variety of markets, including the energy, water, transportation, and industrial markets. Company's water market services include drinking water treatment & supply, indirect & potable reuse, wastewater treatment, and biosolids, energy recovery, and optimization. The company has evaluated hundreds of sites across the globe for PFAS compounds, working to help clients understand the extent of, and remediate PFAS contamination present. In addition to supplying GAC and IX treatment systems, company has developed an emerging PFAS treatment technology known as their "name" technology utilizing electrochemical oxidation.

Company Offering Detail

Parameter	Detail
Technology	
Life Cycle Cost	Highly efficient, cost-effective system that destroys PFAS in solution on site
System Footprint	Compact mobile treatment system
Waste Handling/Cost	Destruction of PFAS on-site eliminates the need for off-site disposal of PFAS-laden wastes and their associated liability
Concentration of PFAS	Effective at destroying high concentrations of compounds
Chain Length of PFAS	Effective at destroying both long and short-chain PFAS compounds
Key Project References	• Melbourne, Australia (first large-scale pilot test)

Highlights

- The company is listed on *Fortune* 500 as one of America's largest companies; company revenue for the fiscal year 2021 totaled US$13.3 Billion.
- The company has 10 years of experience designing, installing, operating, monitoring, and maintaining PFAS groundwater remediation systems and residential and commercial supply well treatment systems.
- Their company technology has exhibited success in destroying PFAS concentrations in groundwater, untreated wastewater, firefighting foam concentrate, and remediation-derived wastes (e.g., still bottom from regenerable IX, soil washing wastewater, and ozone fractionation waste).
- Company is currently in the process of confirming and expanding the commercialization of its technology, launching the first large-scale field demonstration of the technology in Melbourne, Australia in March 2021, targeting AFFF stockpiles and other PFAS-impacted waste streams.
- In source zone groundwater, the company technology exhibited a 99.2% reduction of 31 PFAS compounds.

Source: Company, Bluefield Research