



**WATER
AGENCY**

PFAS and the Tri-Valley How Zone 7 is Rising to the Challenge

U.S. Conference of Mayors Water Council

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Zone 7 Water Agency

Today's Topics of Discussion

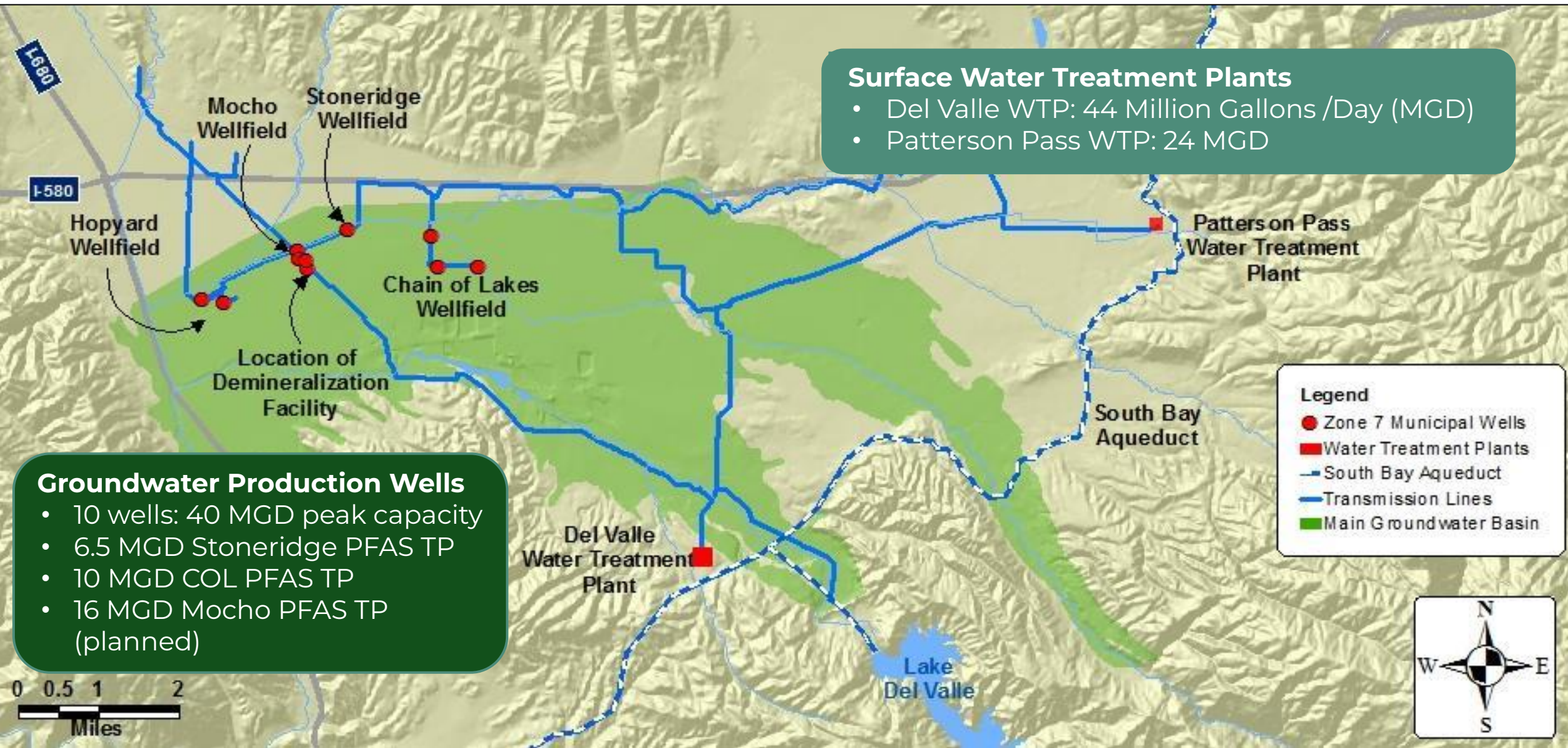
- Who is Zone 7 and what do we do?
- What is PFAS and how does it affect us?
- What is Zone 7's PFAS Management Strategy?
- How has Zone 7 treated PFAS so far and what the future holds?
- What have been the financial implications of PFAS treatment?

Zone 7 Overview

Water wholesaler – serving over 250,000 residents in Dublin, Pleasanton and Livermore through four water retailers

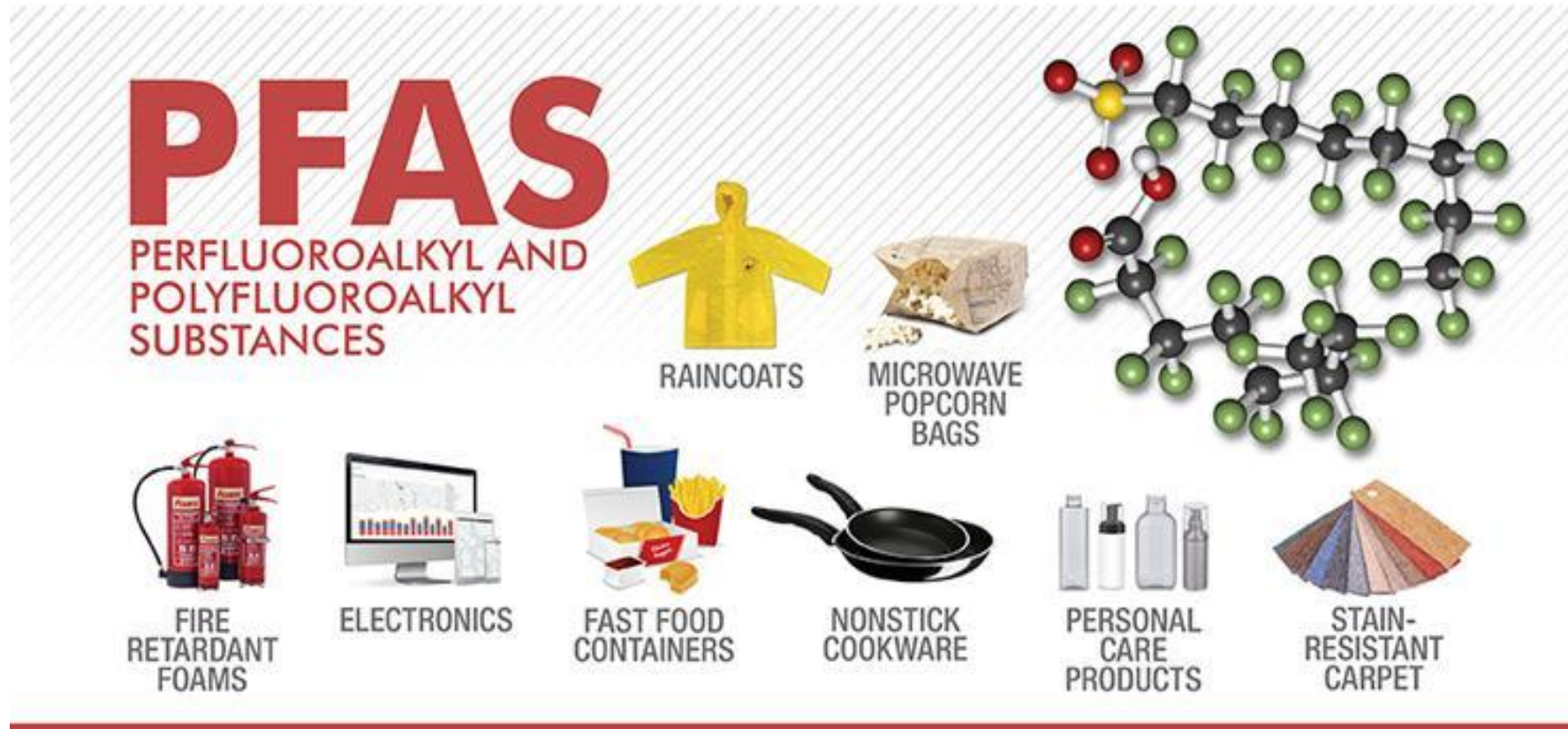


Zone 7 Water Production and Treatment Facilities

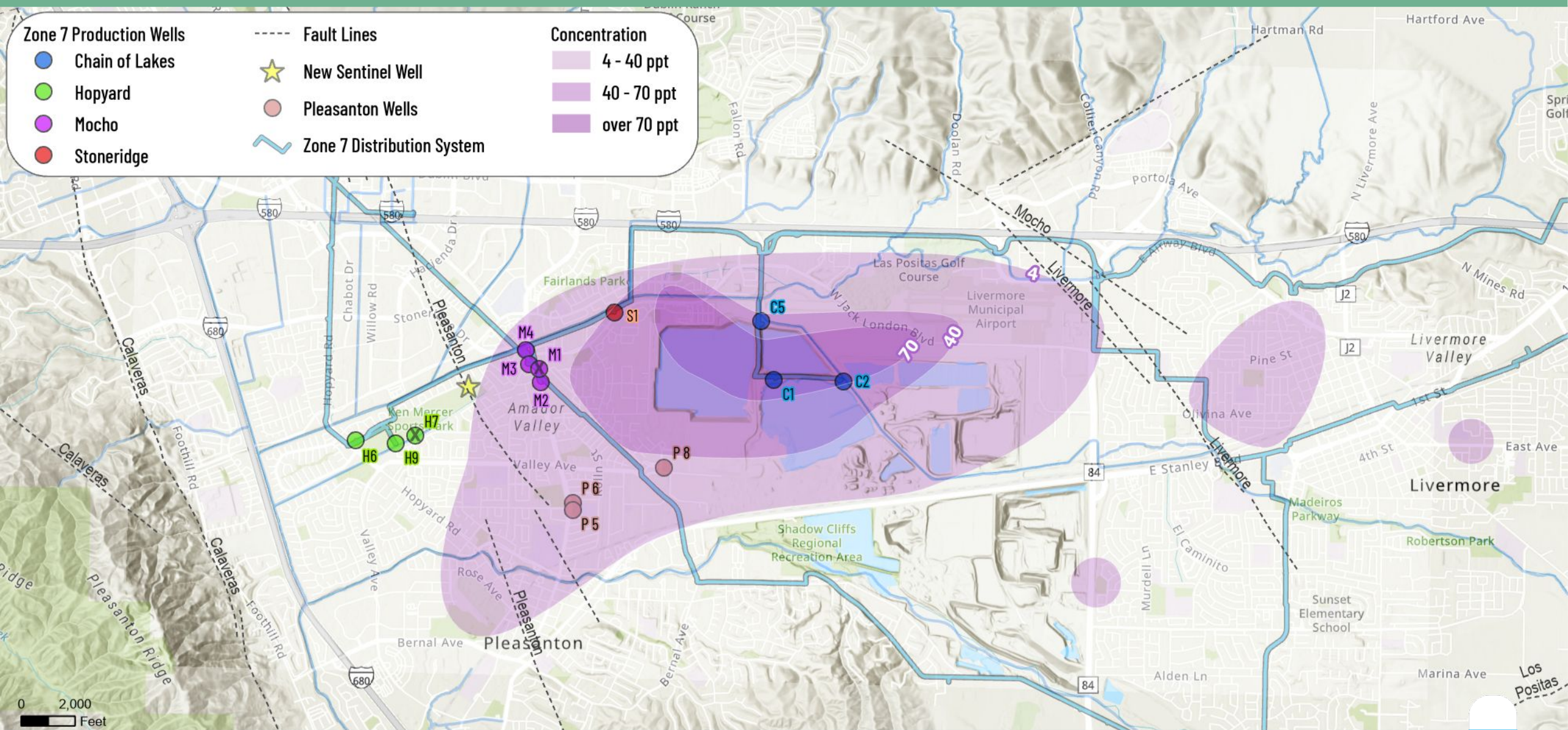


What are PFAS?

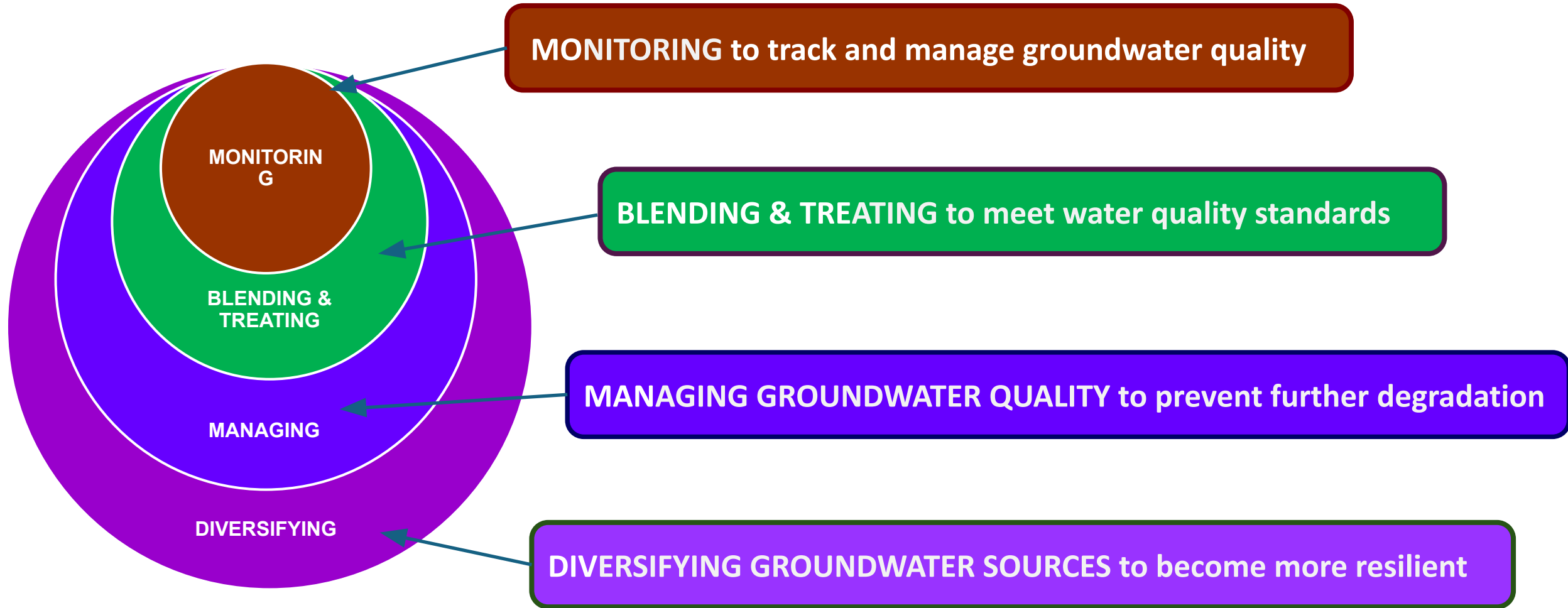
Man-made compounds used in a wide range of products designed to be resistant to heat, water, and oil.



Lower Aquifer PFOS Footprints



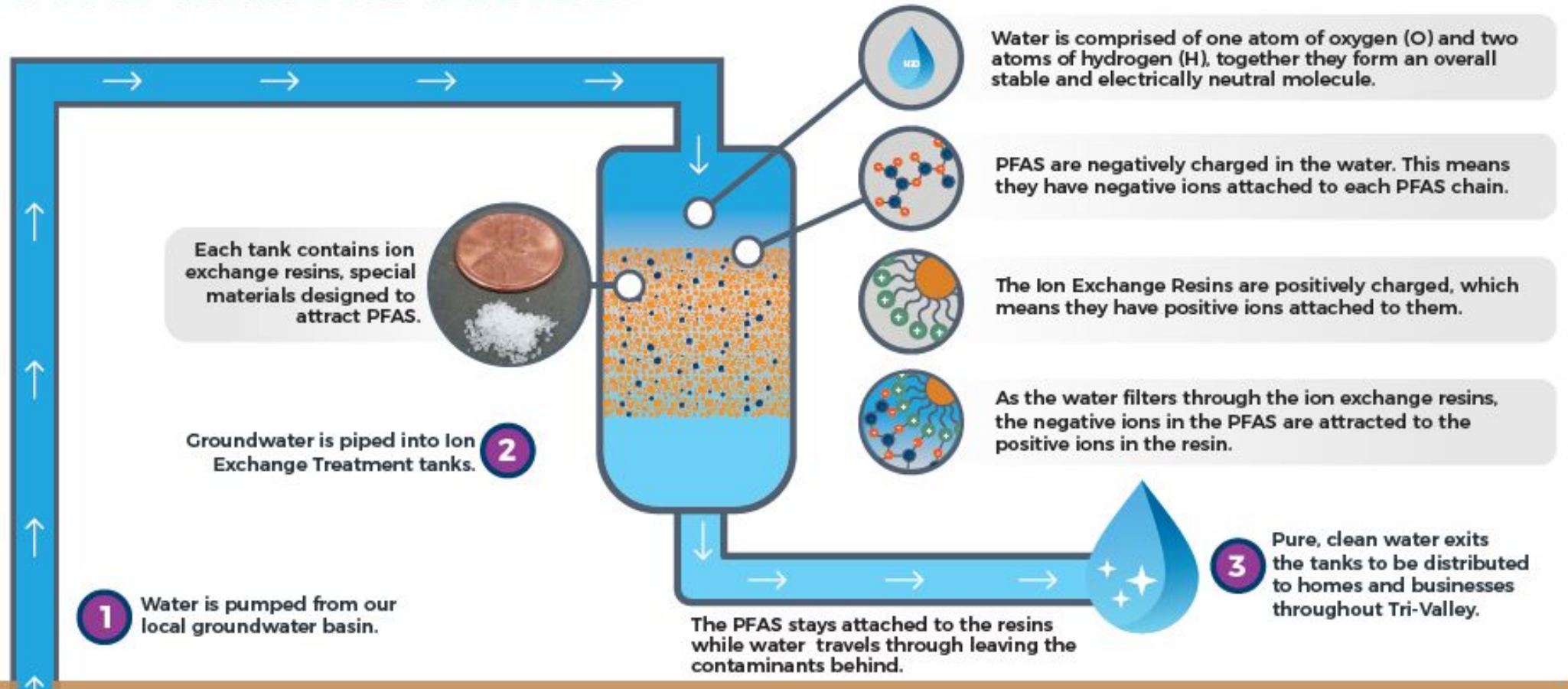
Zone 7's Long-term PFAS Management Strategy



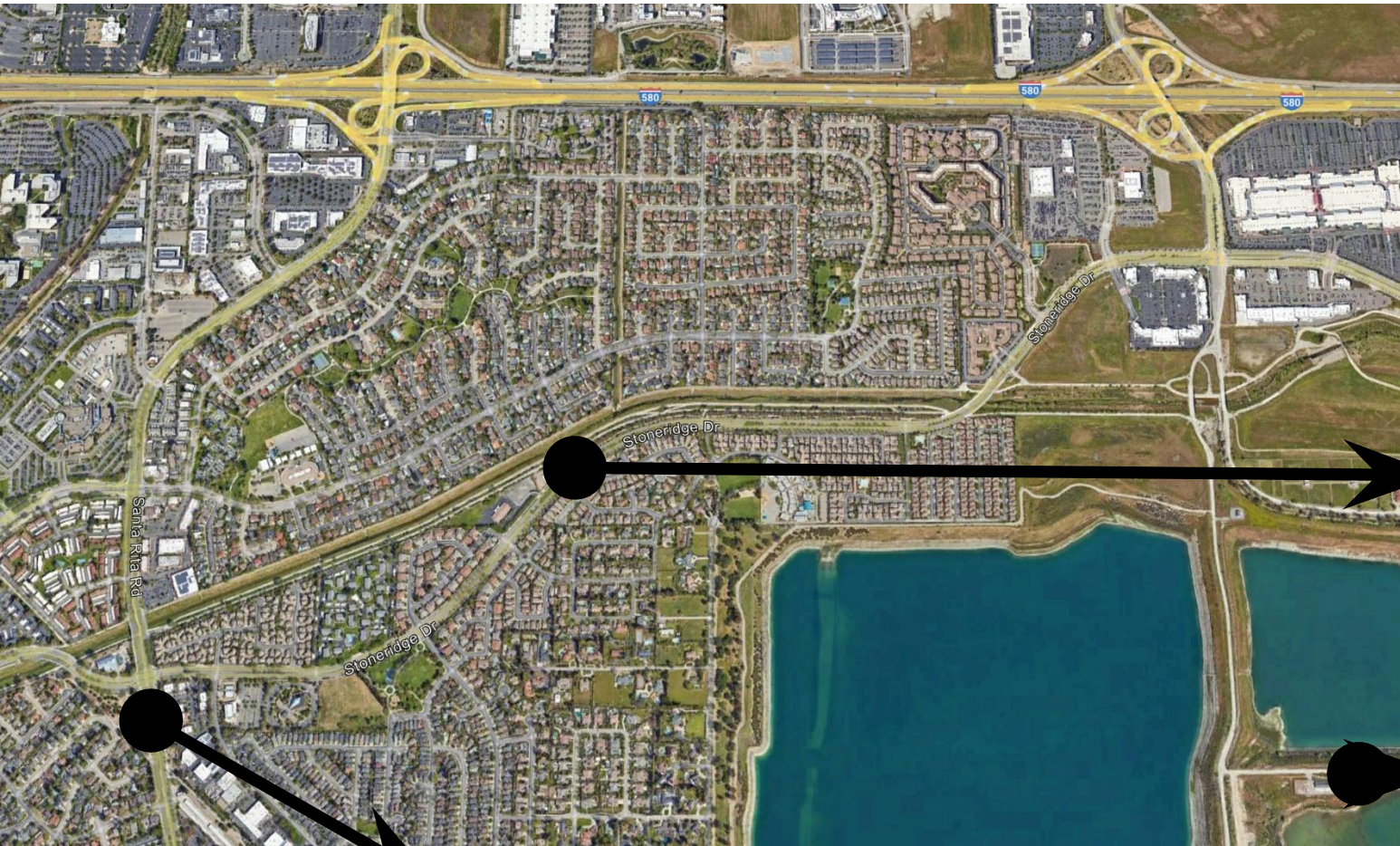
Zone 7's PFAS Treatment Method

ION EXCHANGE TREATMENT

PFAS Removal Process



Removing PFAS through new Treatment Systems



**Proposed Mocho PFAS
Treatment Plant**



Stoneridge PFAS Treatment Plant
Ribbon Cutting Ceremony, Sept. 2023



Chain of Lakes PFAS Treatment Plant
Commissioning, April 2025

Treatment at Stoneridge Well

- **6.5 million gallons of water per day** are now treated through the Stoneridge PFAS facility, completed in Sept 2023 at a cost of \$16.3M



Treatment at Chain of Lakes Wellfield

- Three wells pump to this facility, with the ability to treat up to **10 million gallons of water per day**
- The facility was constructed between 2023 and early 2025 at a cost of \$24M



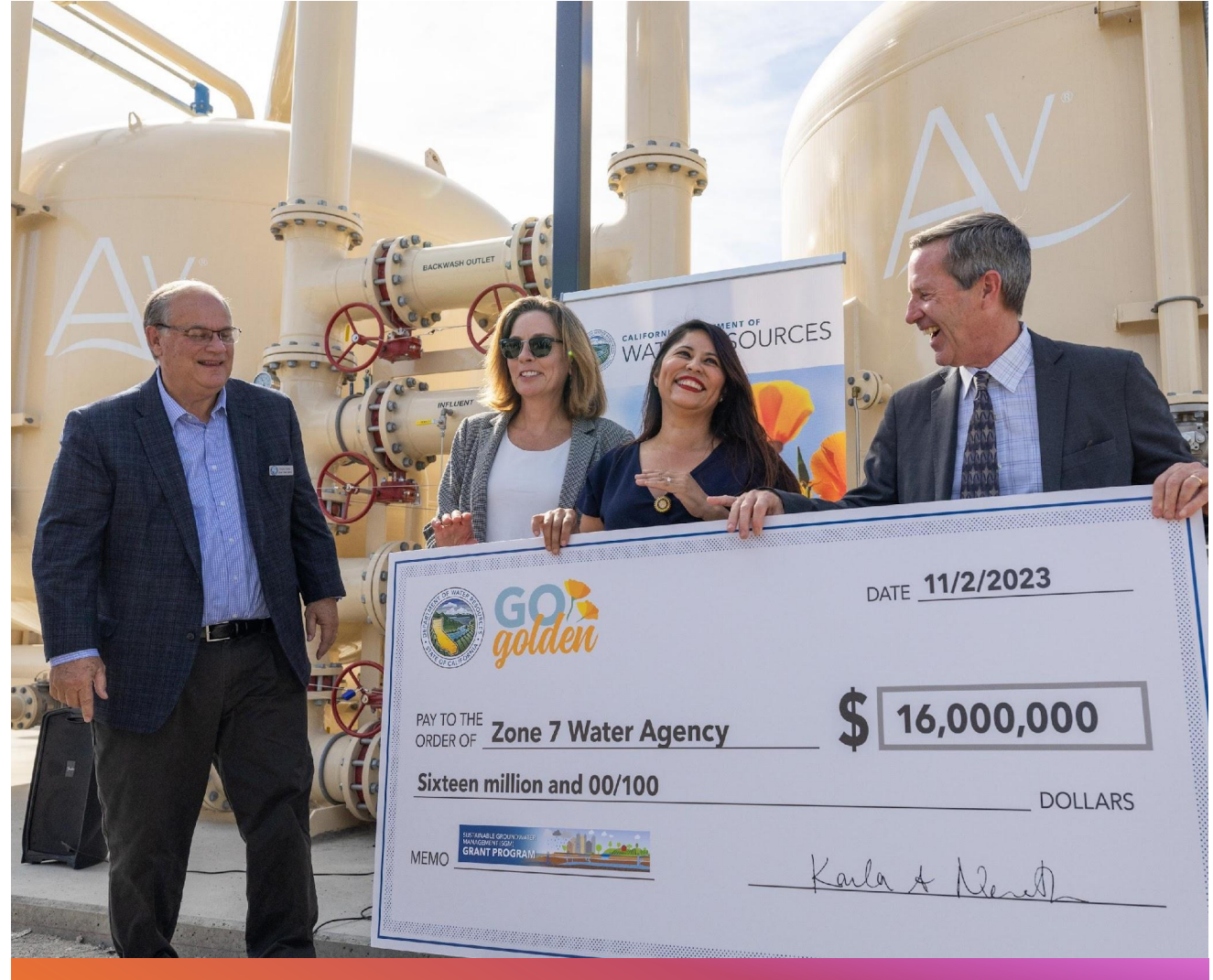
Future Treatment at the Mocho Wellfield

- Proposed facility to treat up to **16 million gallons of water per day** from four wells in the Mocho wellfield
- Design and construction will be occurring early 2026 through 2028 with an anticipated cost of \$35-51M



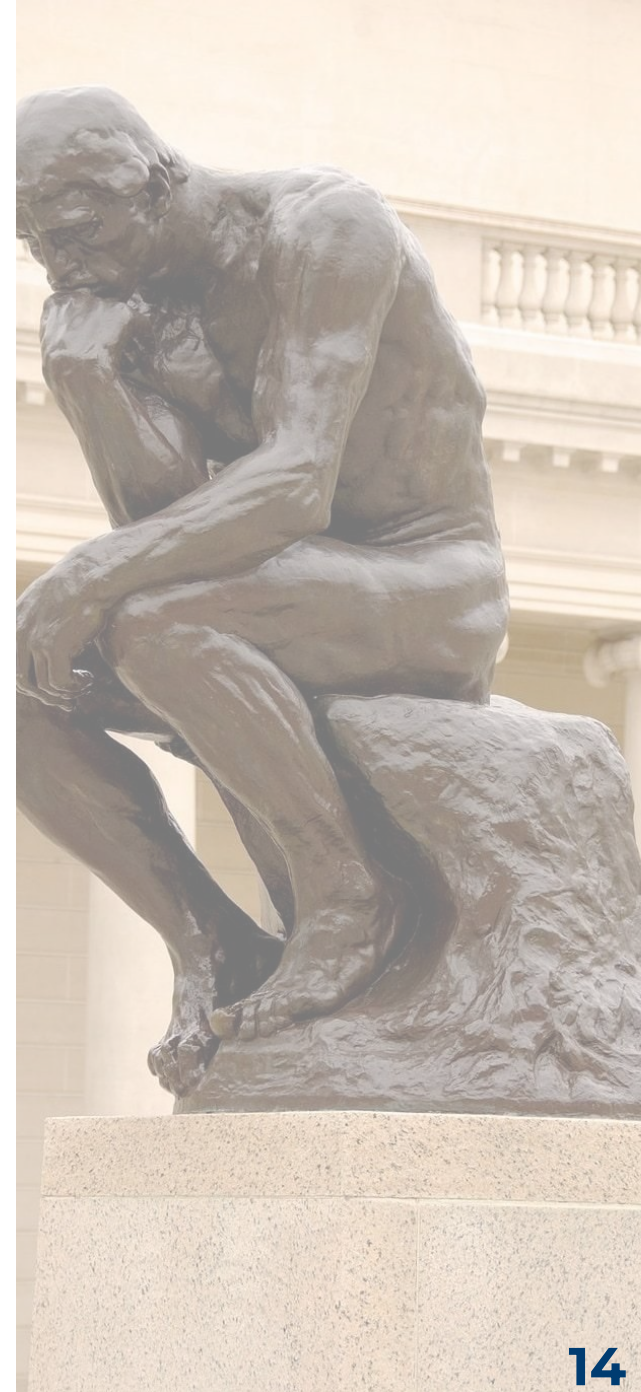
Financial Implications of PFAS Treatment

- Zone 7 has already spent over \$40M for two PFAS treatment plants in operation, treating up to 16.5 million gallons per day
- The Mocho PFAS Treatment Plant, our third to treat PFAS, will likely cost another \$30-\$50M
- \$16M grant was received for the Stoneridge PFAS project through the State Department of Water Resources
- Other funding opportunities are being explored like SRF Forgivable Loans for Emerging Contaminants (combination of State and Federal money)
- Bond funding has been utilized (COL PFAS) and remains a viable option for future PFAS treatment funding needs



Key Takeaways

- PFAS is generally everywhere and came from manufacturing of a myriad of everyday products
- Water agencies didn't create PFAS but we're tasked with cleaning it up and paying for that cleanup
- Water agencies can get ahead of the curve with monitoring programs, implementation of proven treatment technologies, and exploration of funding opportunities to lessen the impact on rate payers





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Thank you!