



Welcome!

# Chapel Hill Peoples Academy

March 9, 2024



**Orange Water and Sewer Authority**

*Our community's trusted partner for  
clean water and environmental protection.*

# WHO WE ARE

## MISSION



Our dedicated team delivers valuable water and sewer services that are essential to our community's health, environment, and economy through the stewardship of infrastructure and natural resources.

## VISION



To be our community's trusted partner for clean water and environmental protection.

## VALUES



*Integrity*

*Reliability*

*Teamwork and Partnership*

*Diversity and Inclusion*

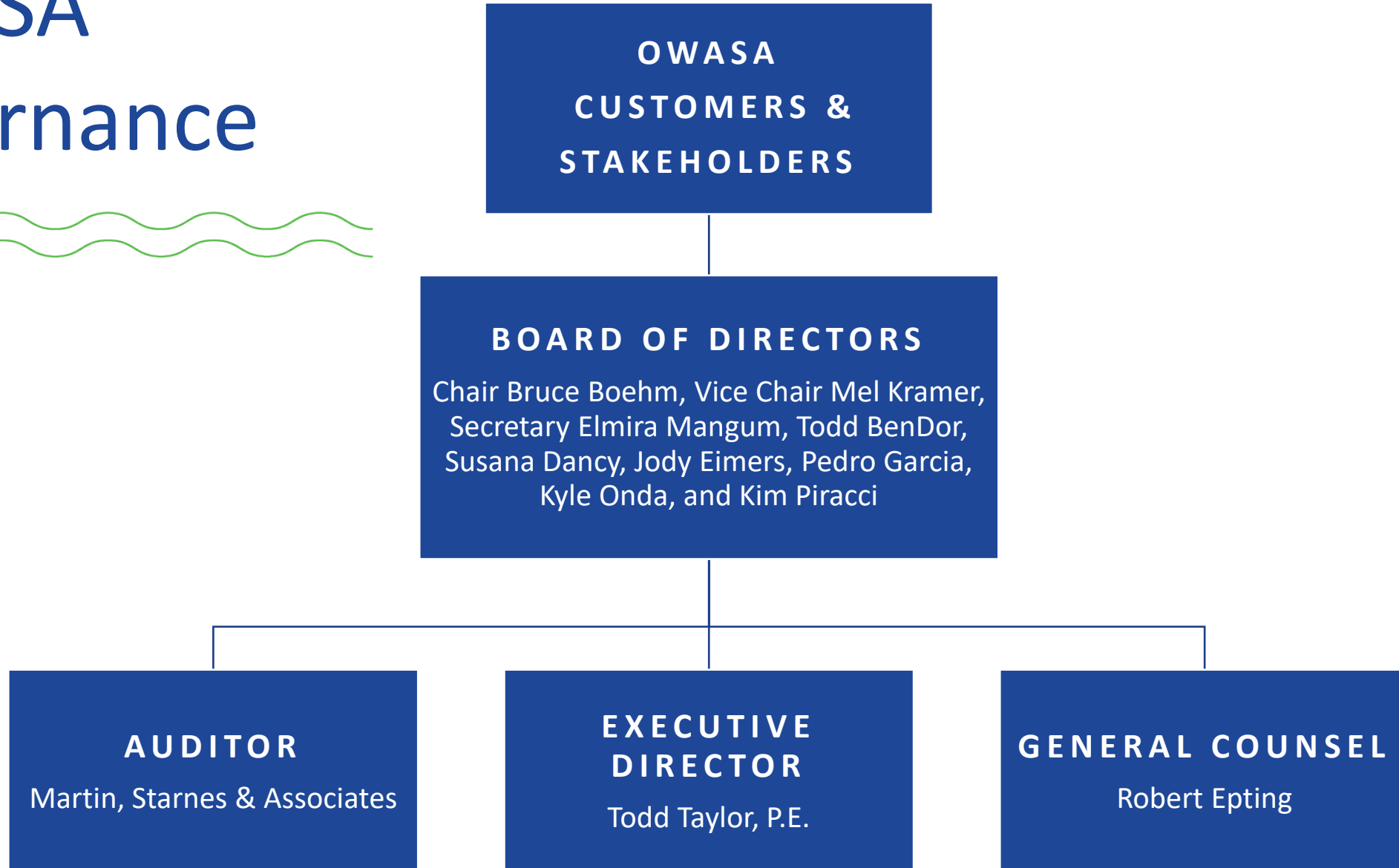
*Innovation*

*Stewardship*

*Equity*

*Safety*

# OWASA Governance





# Board of Directors

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## RESPONSIBILITIES:

- Meet monthly (2<sup>nd</sup> Thursday) at 6 p.m., OWASA Community Room
- Represent customer and stakeholder interests
- Establish policies; strategic planning
- Adopt budgets; set rates, fees and charges
- Authorize issuance of revenue bonds for capital improvements
- Hire Executive Director, General Counsel and Auditor

# Key Facts

- **86,300** people rely on us for drinking water, wastewater and reclaimed water services in Chapel Hill, Carrboro, and UNC
- **22,000+** customer accounts
- **UNC** is OWASA's largest customer
- **\$49.5 million** in annual revenue (FY24)
  - Operating expenses ~ \$30.2 million
  - Capital Improvements ~ \$16.1 million
  - Debt Service ~ \$10.6 million
- **142 employees**





# Operational Overview

## Water Supply

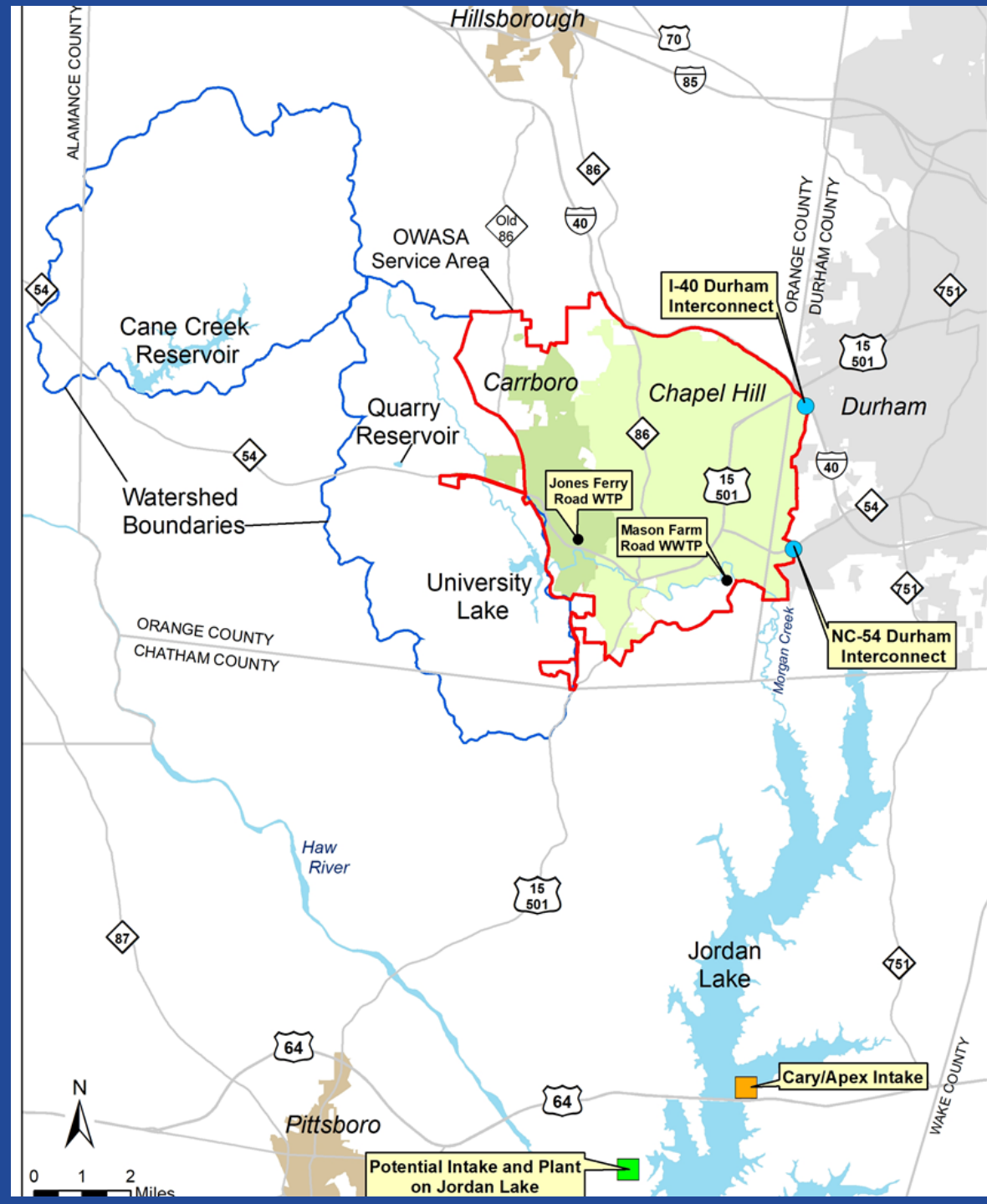
- University Lake
- Cane Creek Reservoir
- Quarry Reservoir
- Jordan Lake (via mutual aid agreements)
- Jones Ferry Road Water Treatment Plant

## Wastewater Management

- Mason Farm Wastewater Treatment Plant
- Reclaimed Water System

## Emergency Interconnections of Drinking Water System

- City of Durham (Town of Cary)
- Town of Hillsborough
- Chatham County



# Water Supplies

Total Water Supply:

3.65 Billion Gallons of Storage

About 575 Days of Supply



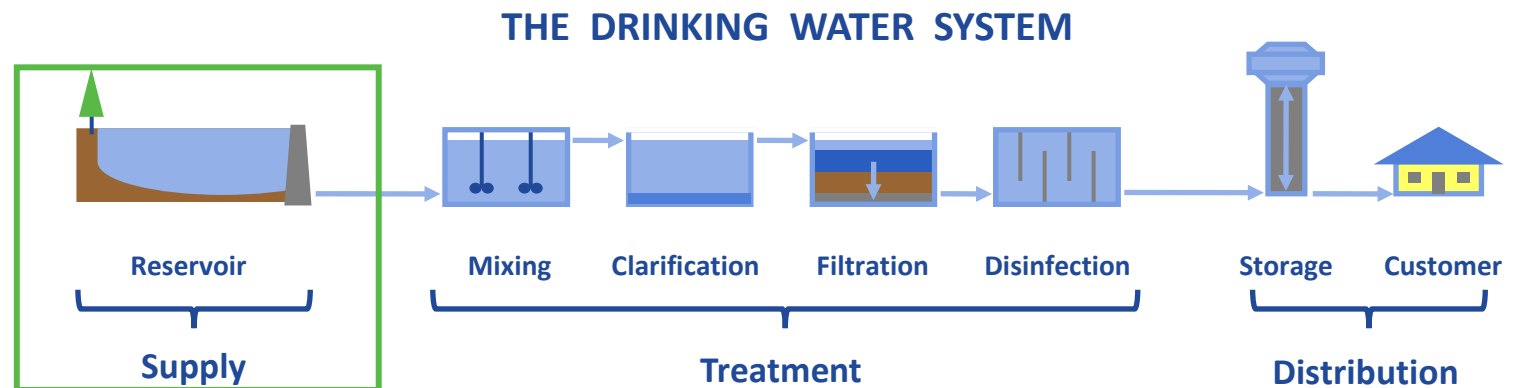
University Lake



Cane Creek Reservoir



Quarry Reservoir



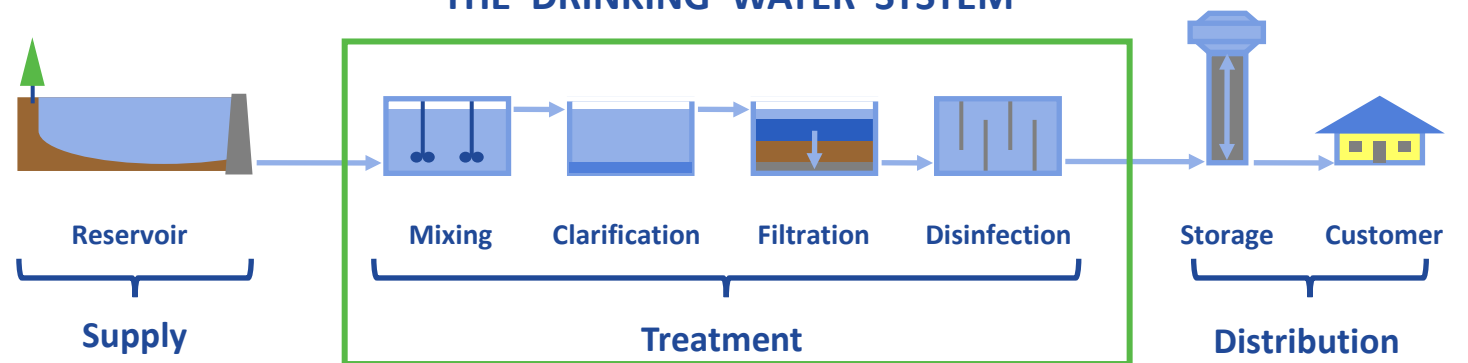


# Jones Ferry Road Water Treatment Plant

Peak Day Treatment Capacity is 20 Million Gallons Per Day



## THE DRINKING WATER SYSTEM





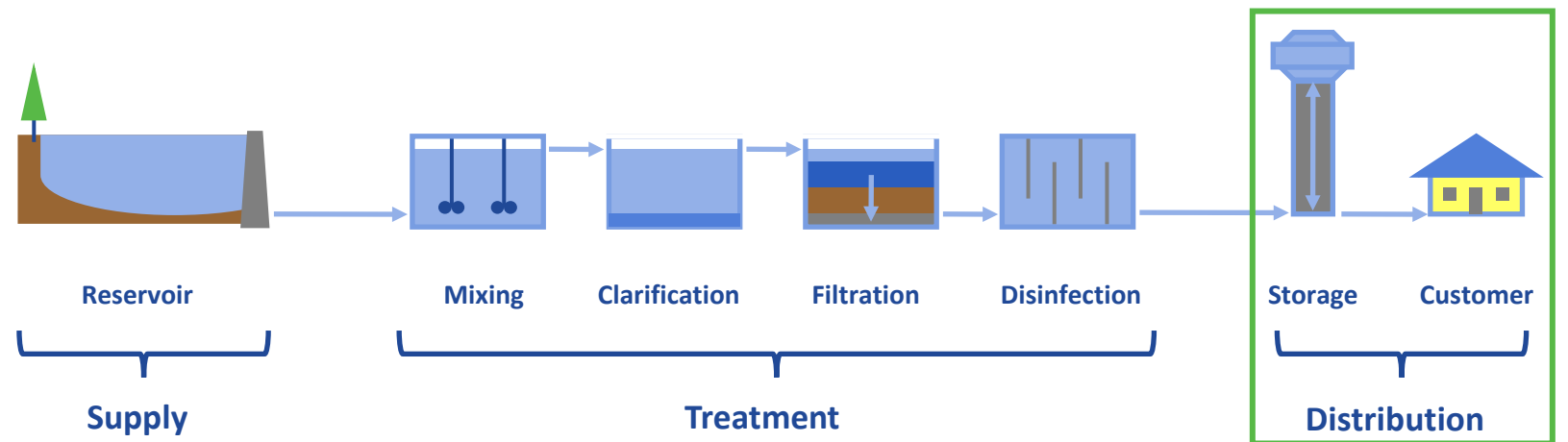
# Drinking Water Storage & Distribution



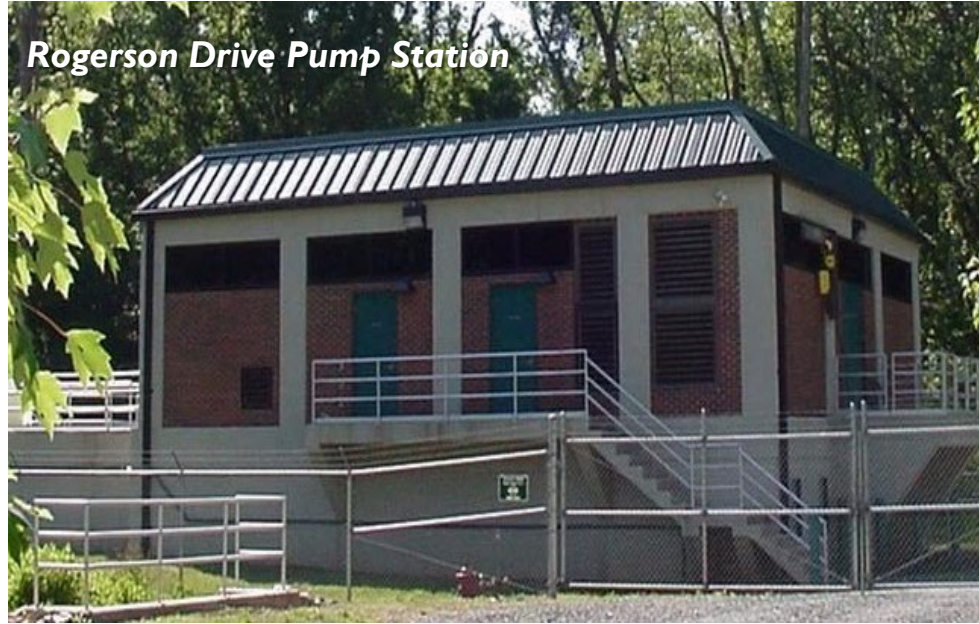
*Manning Drive Water Tank*



- 6 storage tanks with capacity of 8 million gallons
- 385 miles of pipe



Rogerson Drive Pump Station

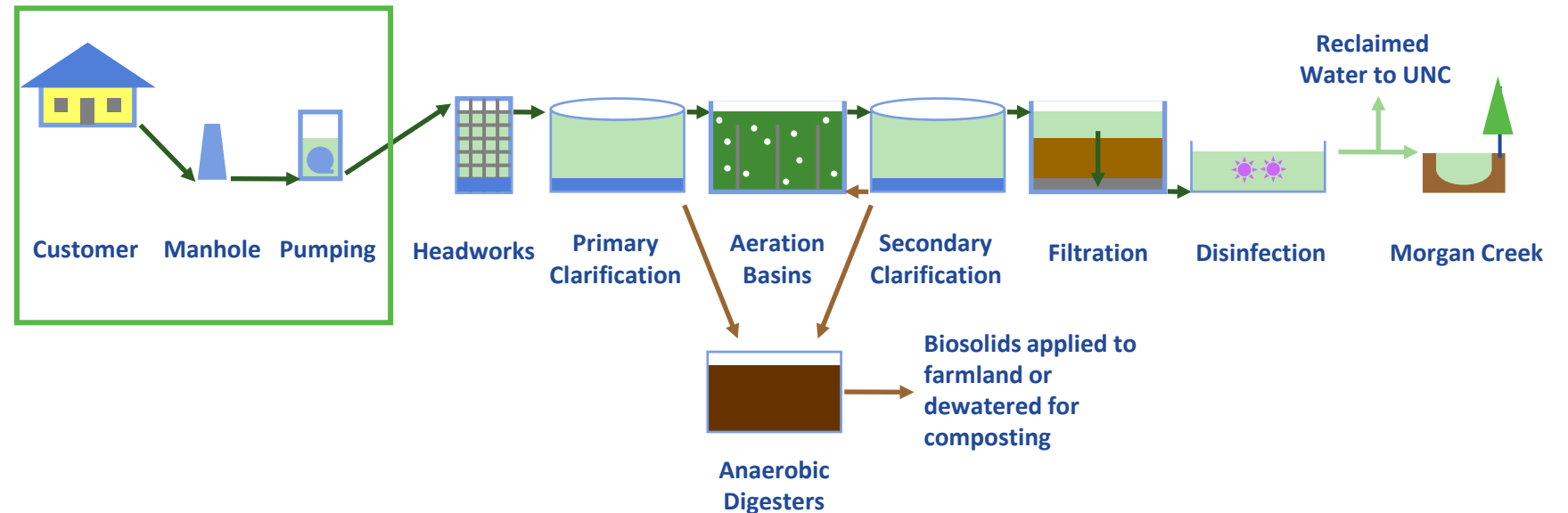


- 350 Miles of Pipe
- 21 Pump Stations

# Collection of Wastewater (Sewage)

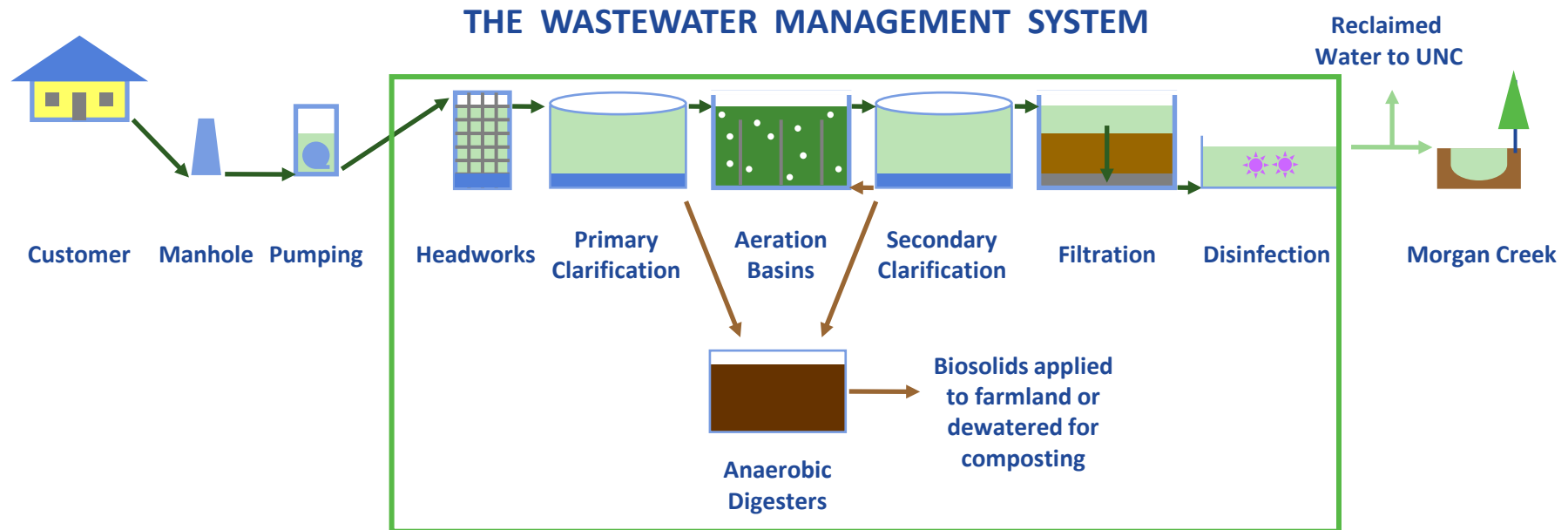


## THE WASTEWATER MANAGEMENT SYSTEM



# Mason Farm Wastewater Treatment Plant

Peak Month Treatment Capacity is 14.5 Million Gallons Per Day





# Recycling Biosolids

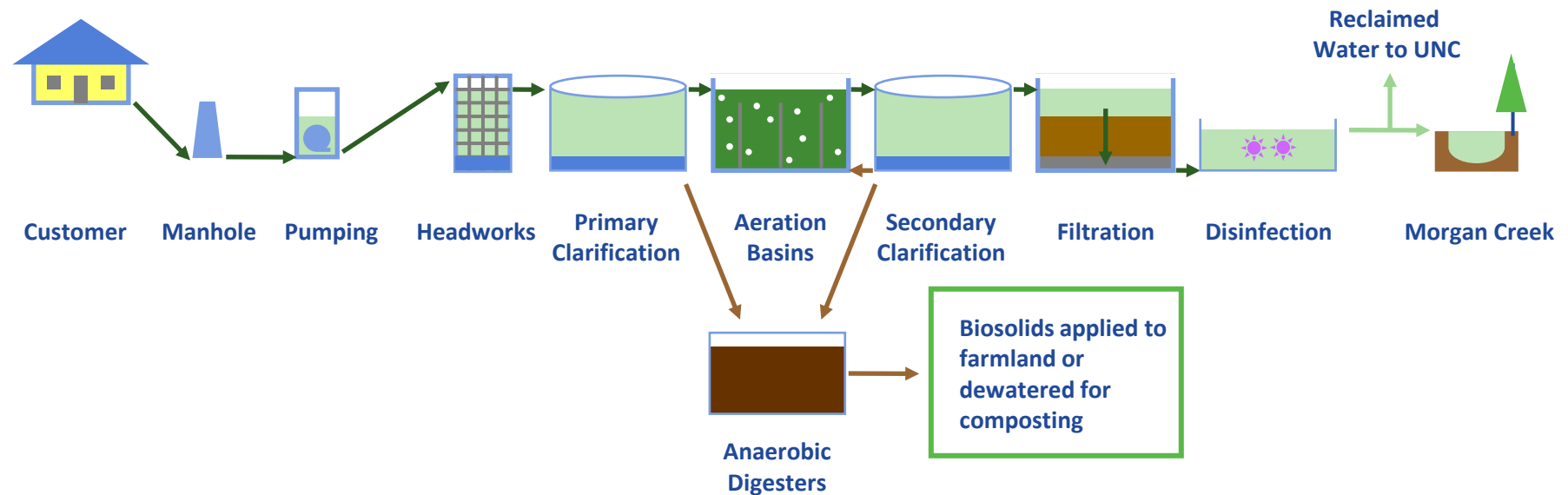


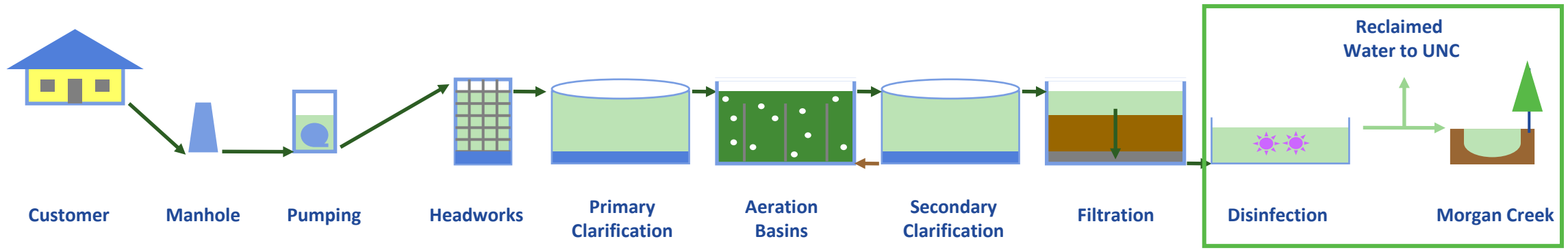
Liquid biosolids are applied on local farms



Dewatered biosolids are composted for reuse

## THE WASTEWATER MANAGEMENT SYSTEM





## THE WASTEWATER MANAGEMENT SYSTEM

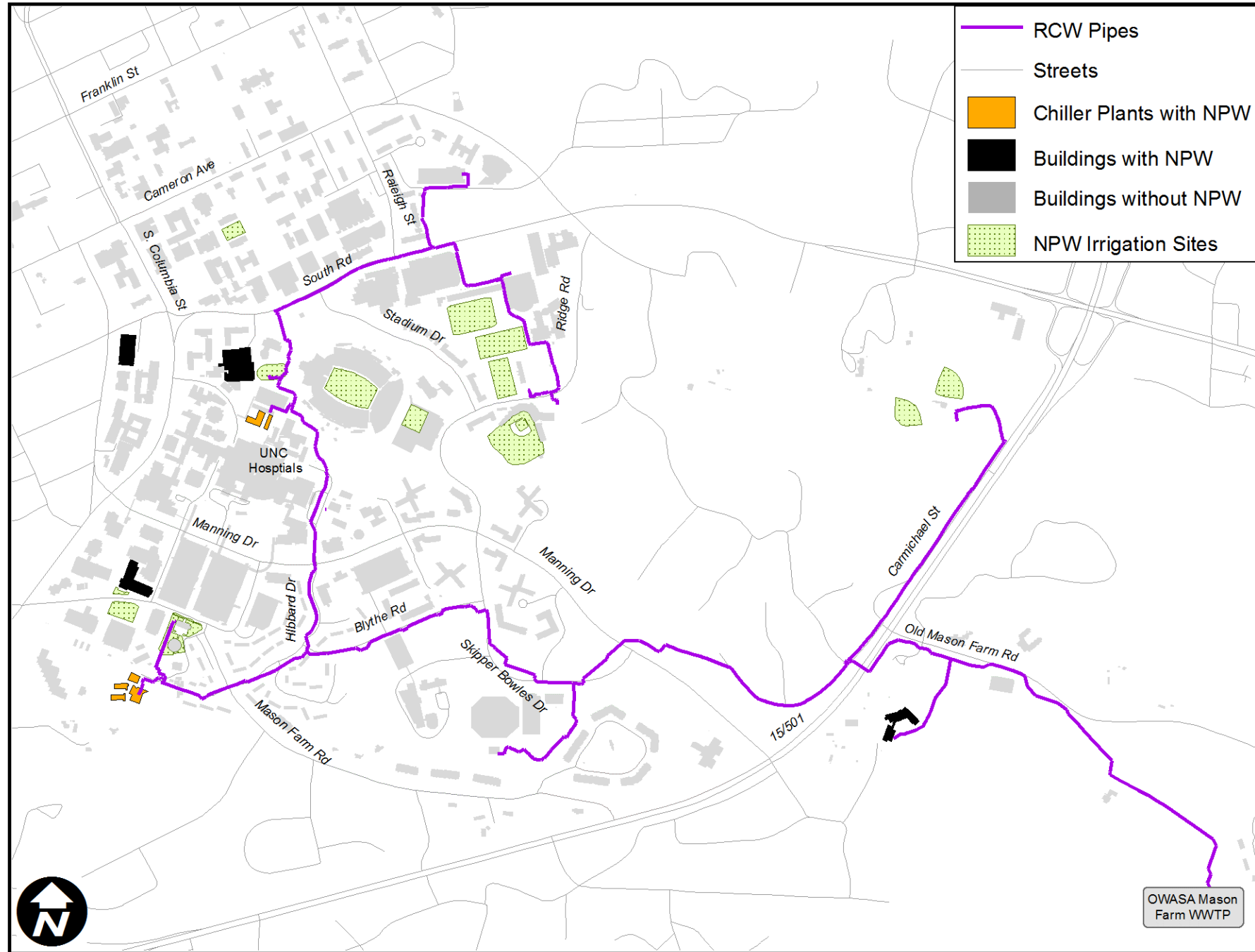
# Recycling Reclaimed Water



UNC uses reclaimed water for 30% of their total water demand



# UNC-OWASA Reclaimed Water System and Uses





# Strategic Priorities 2023-2028

Employee Recruitment,  
Retention, and  
Development

Equitable Services

Climate and Land Use  
Change Adaptation

Community  
Engagement

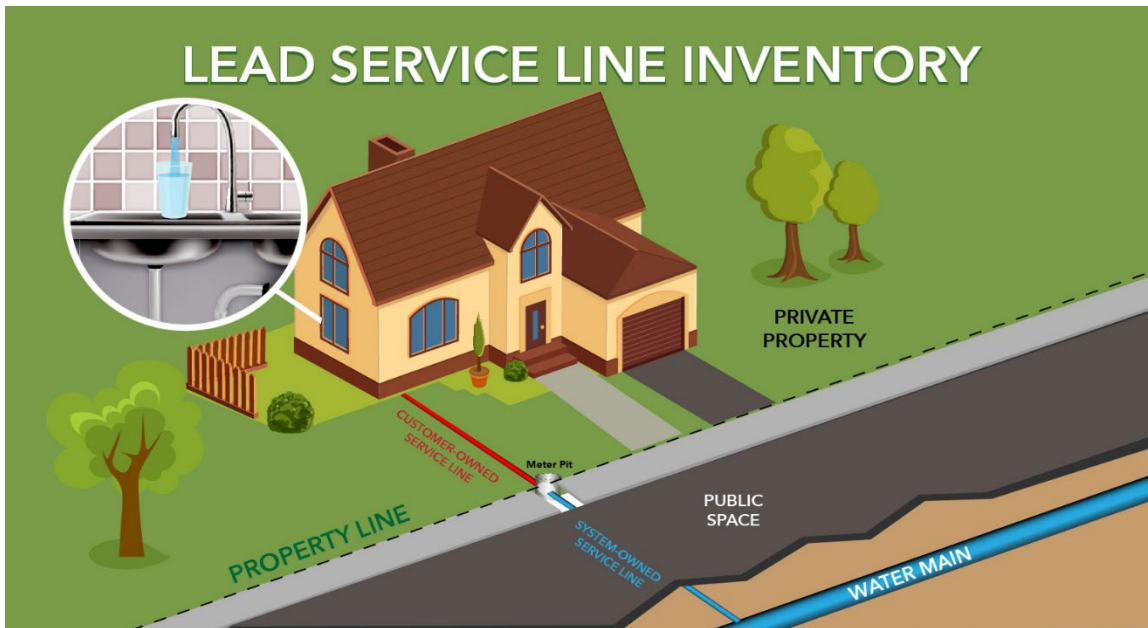
Emergency  
Management and  
Cybersecurity

Service Reliability and  
Resiliency

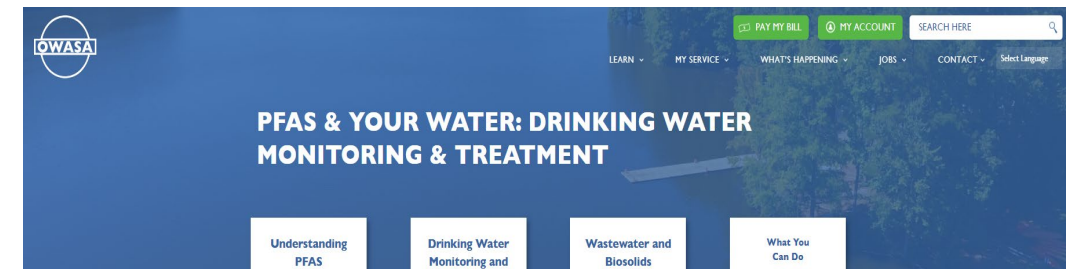


# Other Key Issues

## Get The Lead Out: Service line inventory and replacement plan



## PFAS: Keep up-to-date on monitoring and treatment plans at [owasa.org](http://owasa.org)



### PFAS & Your Water: Drinking Water Monitoring & Treatment

#### How much PFAS is in our community's drinking water?

Six PFAS compounds are the focus of the EPA's guidance on PFAS in drinking water. Our most recent monitoring data, completed in winter 2023, detected PFOA at 7.4 ppt and PFOS at 2.0 ppt, in our finished drinking water. PFHxS and PFBS were not detected in fall 2023 but have been detected in the past. HFPO-DA (Gen-X) and PFNA have never been detected in our treated drinking water. Maximum, minimum, and average values detected of these PFAS compounds in drinking water since 2018 are:

PFAS Compound	Minimum Value Detected 2018-2023	Maximum Value Detected 2018-2023	Average Value Detected 2018-2023
PFHxS	Non-detect	6.0 ppt	4.2 ppt
PFNA	Non-detect	Non-detect	Non-detect
PFBS	Non-detect	5.9 ppt	3.3 ppt
HFPO-DA (Gen-X)	Non-detect	Non-detect	Non-detect
PFOA	Non-detect	24.0 ppt	13.4 ppt





*Our community's trusted partner for clean water and environmental protection.*



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