

# Rye Select Board Update

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October 10, 2023

Adam Simonsen, Director of Business Development

Carl McMorran, Operations Manager



# Agenda

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- New Water Treatment Plant
- PFAS regulations and treatment
- Rye Water District





*Little River*  
*Water Treatment Plant*

Treatment for Wells 7 and 22

Up to 1.7 million gallons per  
day

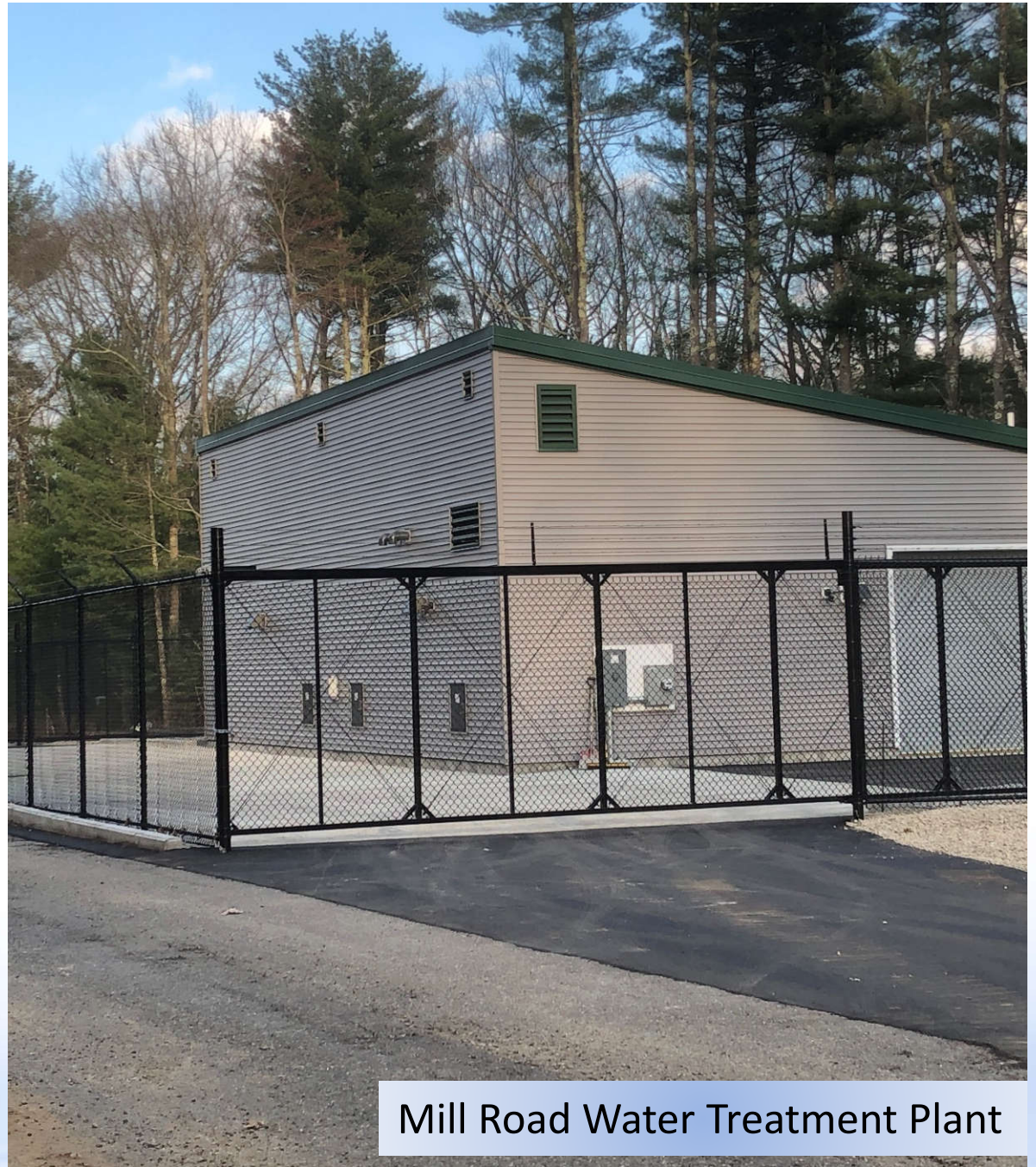
Disinfection

Corrosion Control

Schedule

2024 construction

2025 start up



Mill Road Water Treatment Plant

# Proposed EPA PFAS Regulations

Parameter	DES (ppt)	EPA (ppt)
PFOA	12	4
PFOS	15	4
PFBS	-	Combined Hazard Index <1
PFHxS	18	
PFNA	11	
Gen X	-	

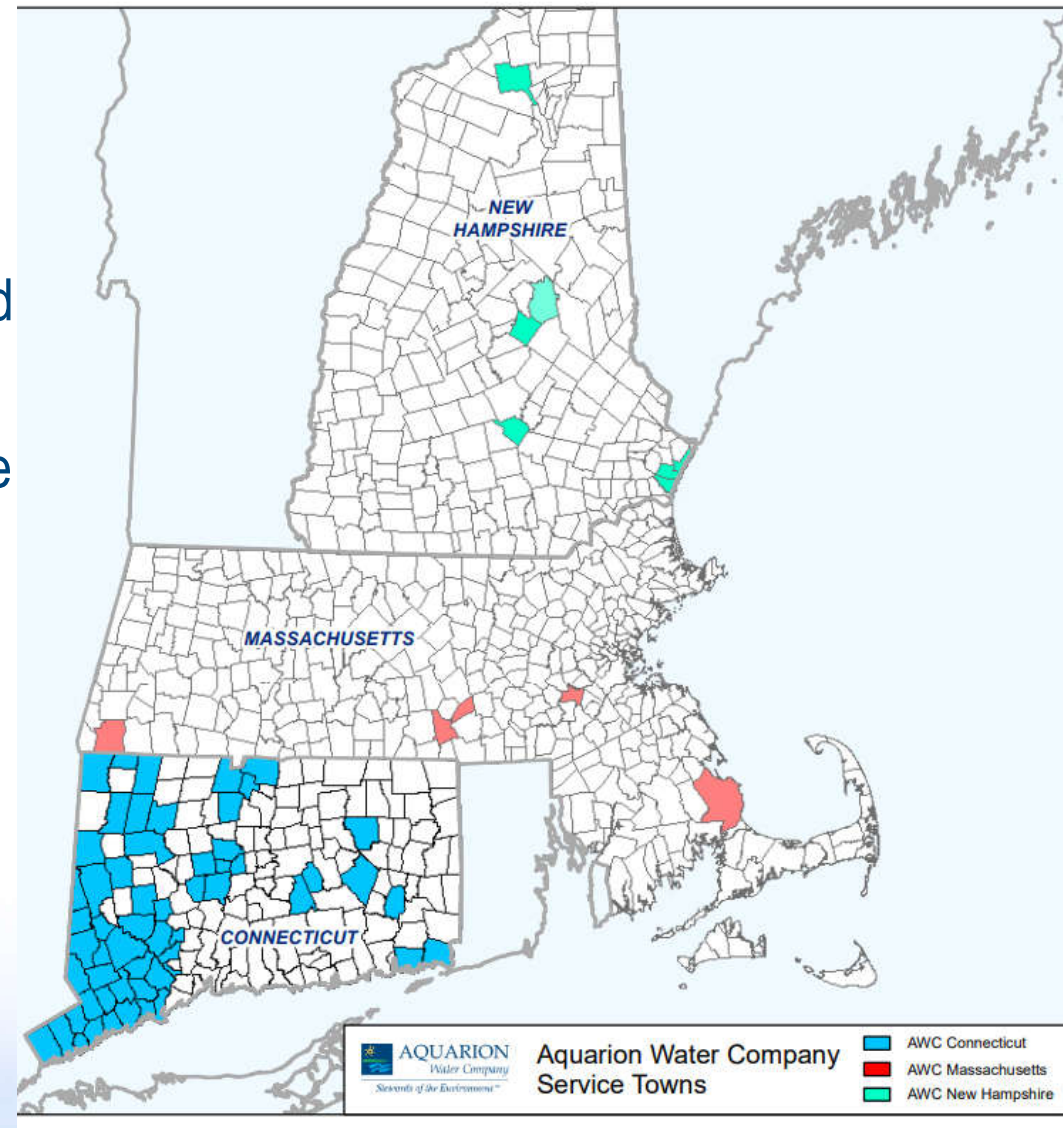
Point of Entry	PFOA (ppt)	PFOS (ppt)	Combined
Jenness	4.4	2.7	0.0
Little River Road	3.8	1.3	0.0
Mill Road	4.5	4.0	0.0
Winnicut Road	1.1	0.0	0.0





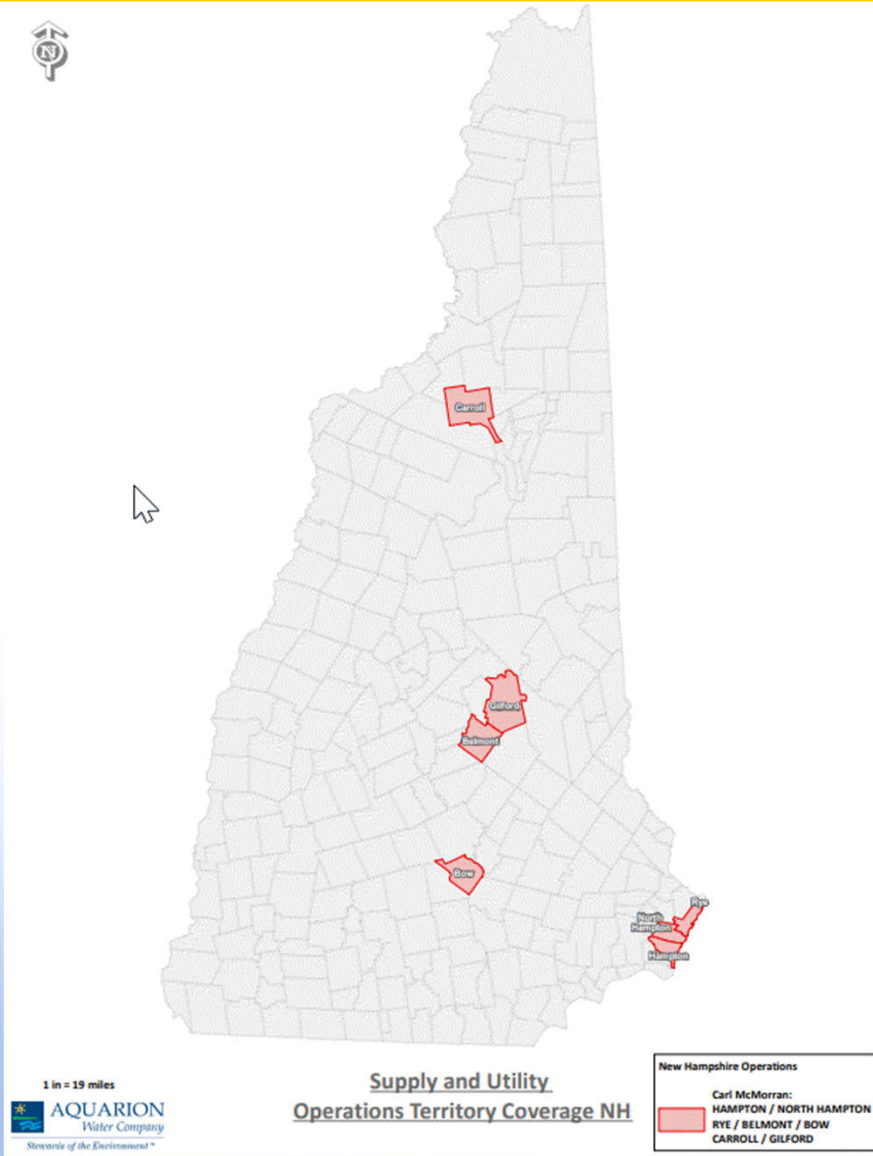
# Aquarion Water Company

- Largest investor-owned water utility in New England
- Serves 240,000 customers (800,000 people) in 72 communities in CT, MA and NH
- In the public water supply business since 1857
- Successfully acquired and integrated 90 systems, adding over 34,000 customers since 2011
- First privatization of wastewater in New England

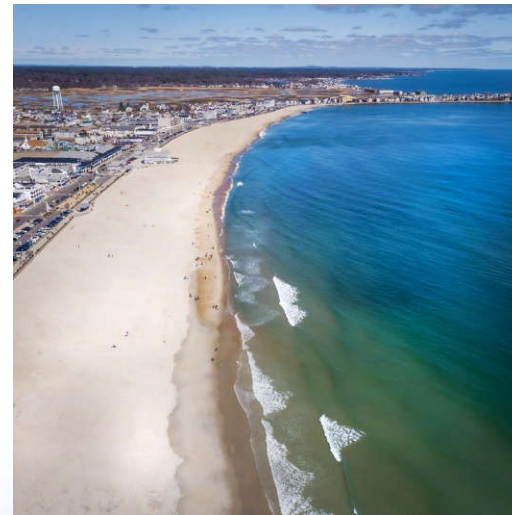


# AQUARION

# Aquarion Water Company (New Hampshire)



Mount Washington Hotel, Bretton Woods



Seacoast Beaches

# Challenges Facing the Industry

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- Aging Infrastructure
- Water Quality Issues – Emerging Contaminants
  - PFAS – group of man-made chemicals
- Lead (Pb) and Copper Rule (new regulations)
  - Increased sampling
  - Lead service line replacements will be costly (tens of millions \$)
- Availability of Water Supply
- Increasingly stringent wastewater discharge permits
- Aging Workforce / Large number of retirements
- Rising Customer Expectations





# Rye Water District

- Clear benefits to both communities from an acquisition
- Larger regional water systems are more resilient and benefit from economies of scale
  - Benefits employees
  - More resilient sources of supply, production facilities and distribution systems
  - More robust capacity to address coming water quality and infrastructure requirements
- RWD customers (using 60,000 gallons per year) pay approximately 20% more for water than Aquarion customers
- More information from RWD is needed to explicitly quantify benefits

