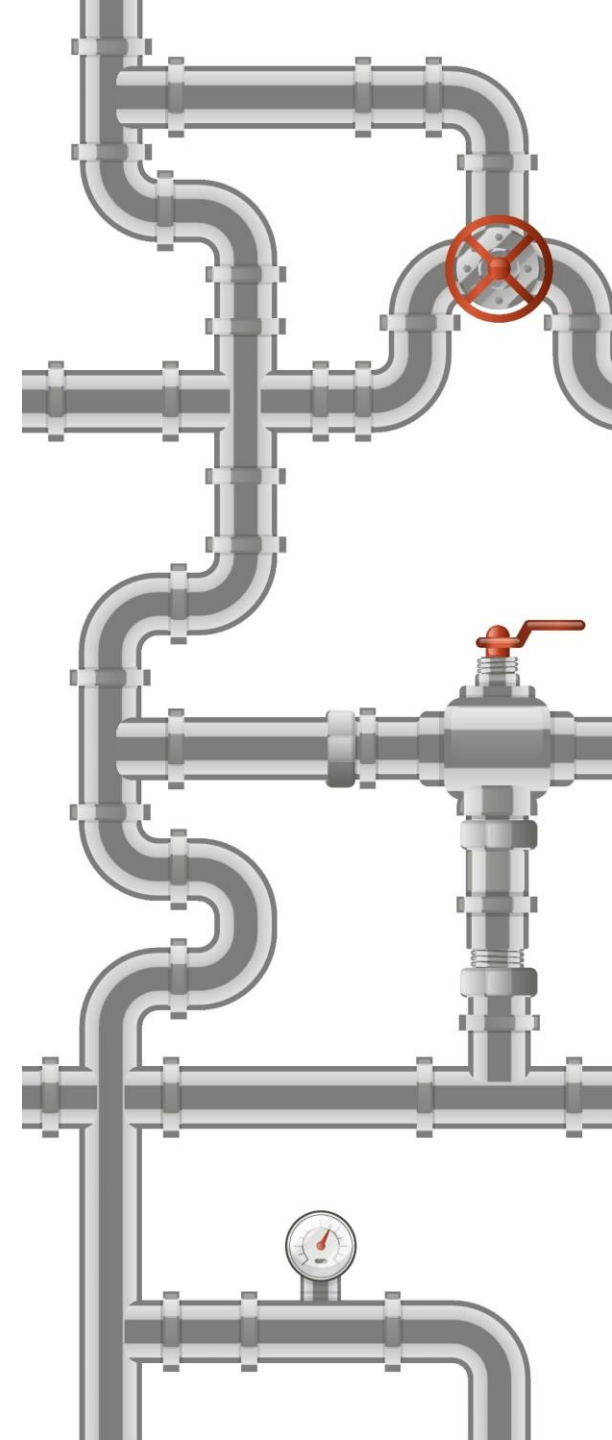


Executive Office of Energy and Environmental Affairs

2025 Drought Resiliency and Water Efficiency Grant Program

***Mass Rural Water Association
Circuit Rider Leak Detection Improvement Project***



Issues

- Water leaks and unaccounted-for water have become a significant component of our Circuit Rider Program.
- Difficult to pinpoint leaks and/or identify small leaks.
- Outdated, unable to update, and broken equipment.
- Pipe materials, outdated maps and lack of asset management



Task 1

- Purchase advanced leak detection correlator and ground microphone equipment with DRWE Grant —\$35,419

Sewerin SeCorrPhon AC 200 Multi-Functional Leak Detector - \$13,585

Sewerin AQUAPHON A200 Electro-Acoustic Ground Microphone - \$21,834



Task 2

- Train Circuit Riders on advanced leak detection equipment.



Task 3

- Implement training and equipment upgrades to improve pinpointing accuracy of water leaks and identifying leaks that are difficult or impossible to identify with basic leak detection equipment.



Task 4

- Increase leak detection assistance to additional Public Water Systems by improving leak detection onsite efficiency.

Blandford

DEERFIELD

Williamstown

Dalton

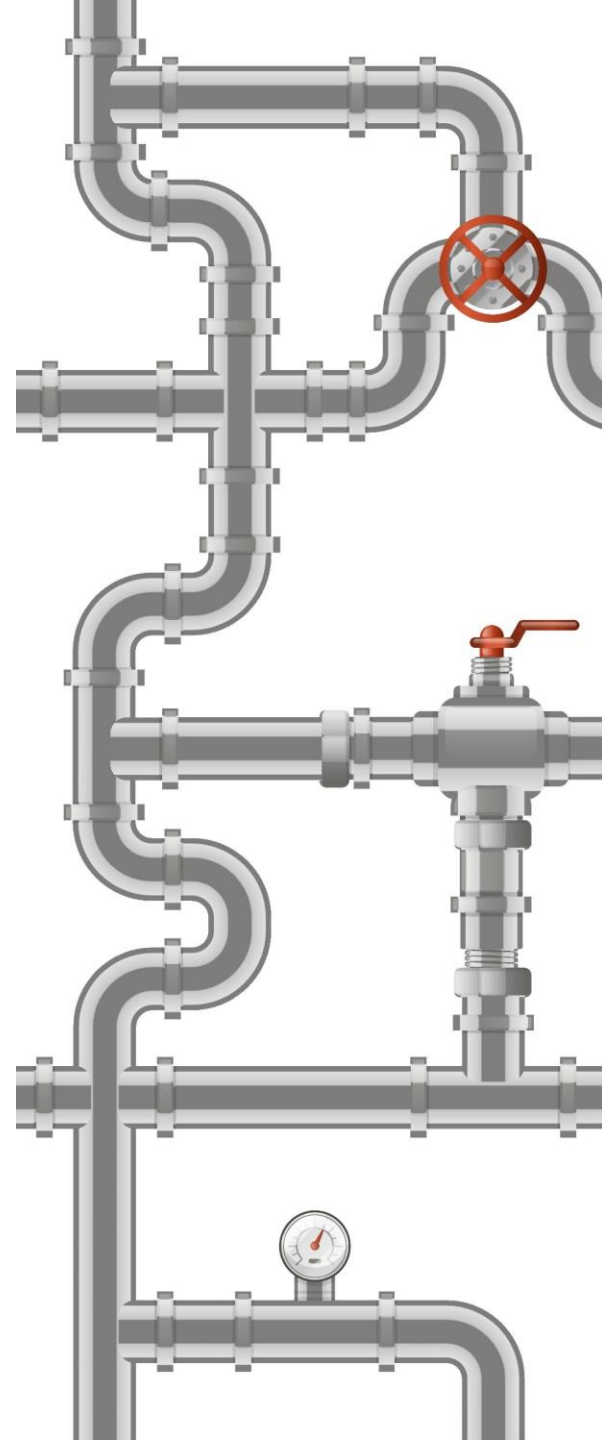
Chester

Barre

HARDWICK

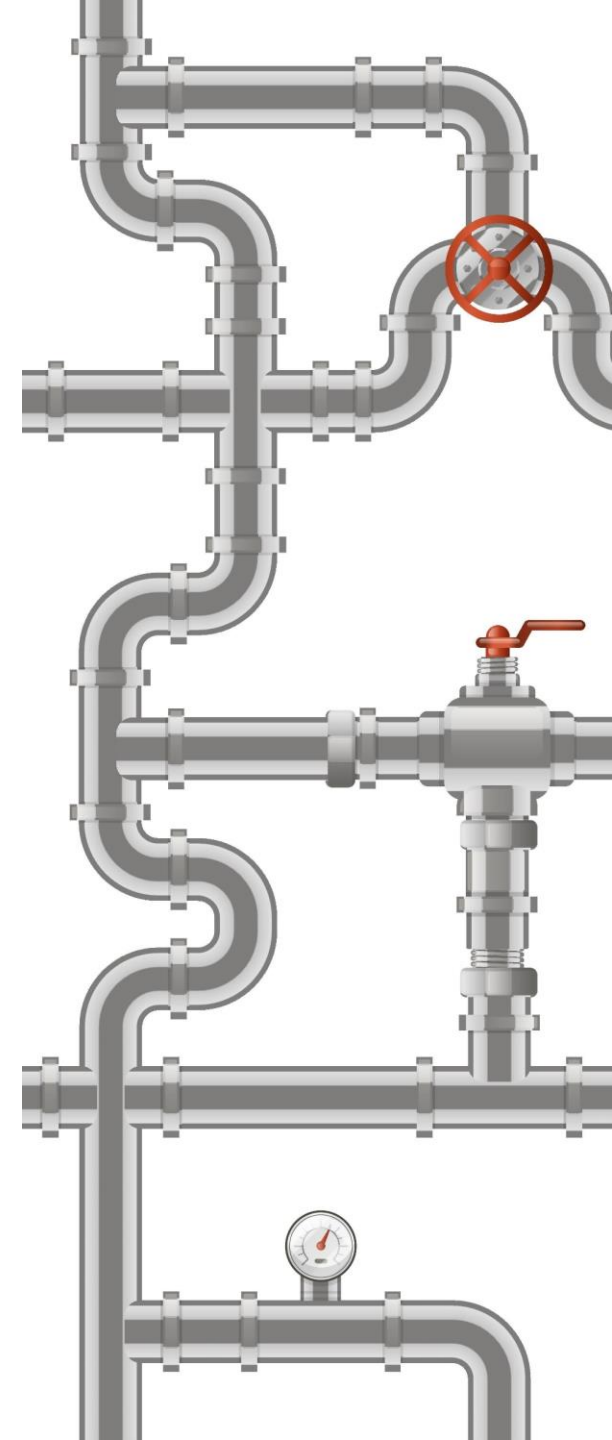
Russell

Three Rivers



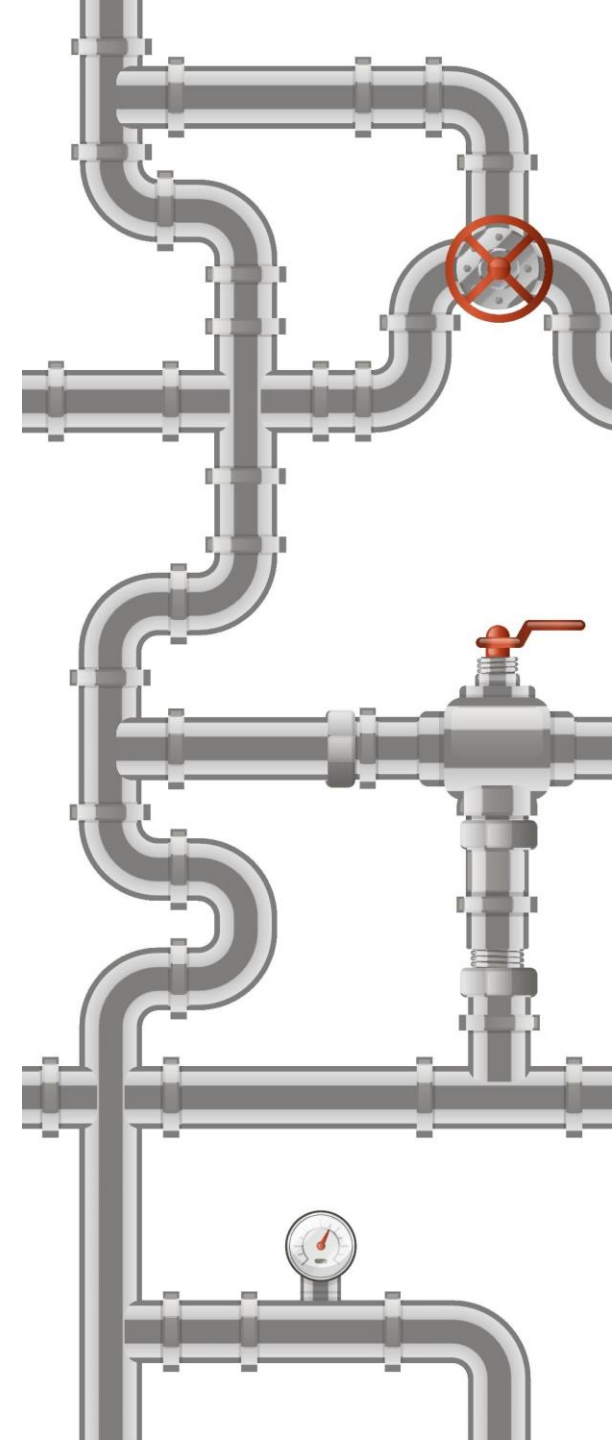
Task 5

- Maintain and update equipment for long-term use (10-15 years) in the Circuit Rider Program.



Expected Outcomes

- Significantly reduce water loss in Public Water Systems in Massachusetts
- Reduce the need for multiple site visits
- Minimize unnecessary excavation
- Lower the overall cost of leak repairs



Thank you!

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