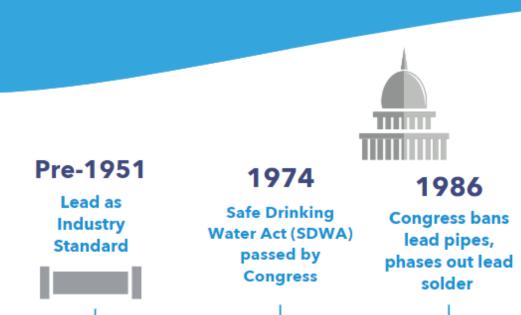




Lead Reduction Program

Evolution of Lead Reduction





1991

Lead and Copper Rule Established

- Action Level= 15 ppb
- · Customer tap sampling
- Corrosion control



- Action Level= 15 ppb
- Trigger Level= 10 ppb
- Replacement of lead service line after Action Level Exceedance
- Schools and Childcare Sampling

2024

Lead and Copper Rule Improvements (LCRI)

- Action Level= 10 ppb
- Mandatory 100% replacement of lead lines within 10 years

(Rule not final yet.)



WSSC Water bans Lead as a service line material

Properties built after 1954 required to use a material that is not lead for service lines



2003

WSSC Water adds orthophosphate

Food-grade additive prevents leaching of copper and lead into water passing through pipes of these materials 2005

WSSC Water replaces all known public lead service lines

Simultaneous to replacing all Tubeloy pipes, WSSC Water identifies most of the public side service line material, replacing all known lead lines on public property 2024

WSSC Water launches "What's your Pipe Type"

Program to identify pipe material of all service lines and replace lead and galvanized



2021 Requirements for Water Systems Lead and Copper Rule Revisions (LCRR)

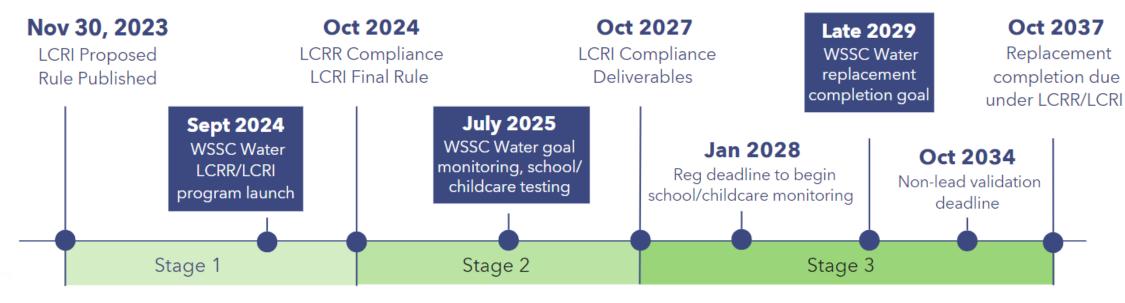
OCTOBER 16, 2024

Lead and Copper Rule Revisions Compliance Date

2023	2024	2025	Beyond 2025
Evaluate historical data for inventory. Develop inventory strategy. Assess funding strategies.	Create public education materials. Complete initial service line inventory and submit to MDE. Make publicly available. Within 30 days, notify customers if service line is lead, galvanized or unknown, provide more information.	Begin proactive monitoring at new sample sites. July 1, 2025 and then annually: Report to MDE that customers were notified if service line is lead, galvanized or unknown and provided information.	EPA could mandate 100% replacements in 10 years (beginning 2027) under LCR Improvements (LCRI).



WSSC Water Program Timeline



Due Oct 16, 2024

- Initial inventory and public interface
- Customer outreach program in place
- Prioritization fully incorporated
- Schools/childcare facilities outreach and sampling program
- Compliance/non-comp sampling plans

Oct '24-Oct '27

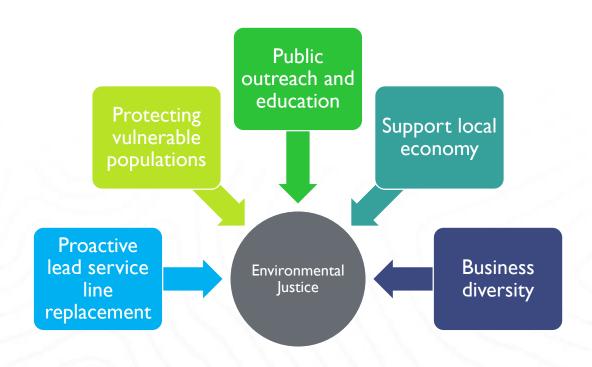
- Program Management Contract (NTP ~Nov 2024)
- Inventory material verification completion goal (~Nov 2029)
- Utility-side replacement/ material verification contract (~Mar 2025)

Oct '27-Oct '37



Program Objectives

- Protect public health.
- Comply with the requirements of the Lead and Copper Rule Revisions (LCRR) and align with the Lead and Copper Rule Improvements (LCRI).
- Maximize customer participation through a comprehensive public education, outreach, and engagement plan.
- Prioritize vulnerable populations and ensure environmental justice and equity for pipe material identification and service line replacement.
- Support local economy.
- Maximize business diversity and inclusion.



Prioritization





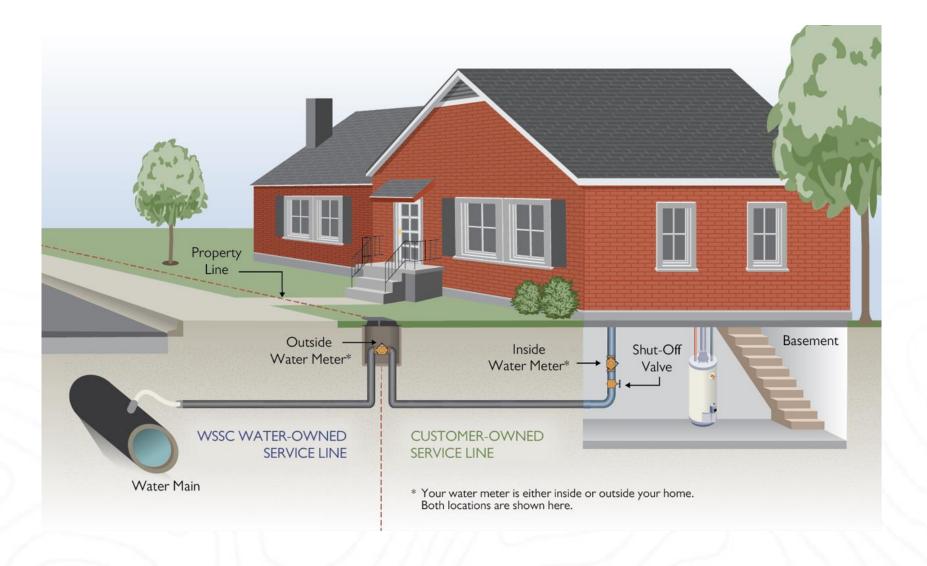
- Lead service lines
- Galvanized Requiring Replacement
- Lead likelihood

Disadvantaged Communities

- Blood Lead Level
- Schools and Childcare
- Children under 6
- Pregnant Women

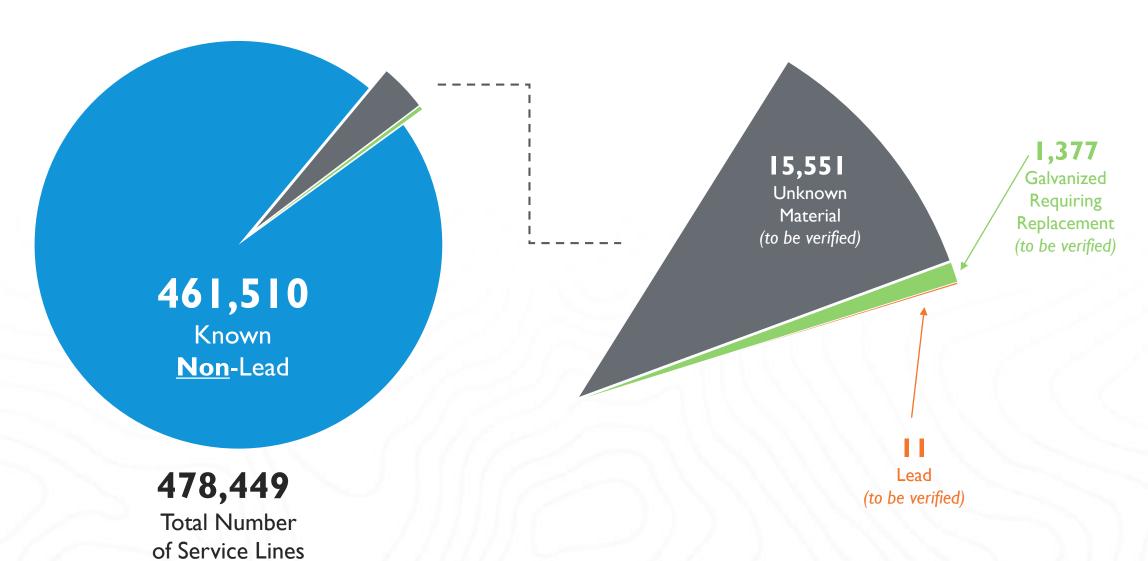
What is a Water Service Line?





Water Service Line Inventory*





Water Service Line Inventory*

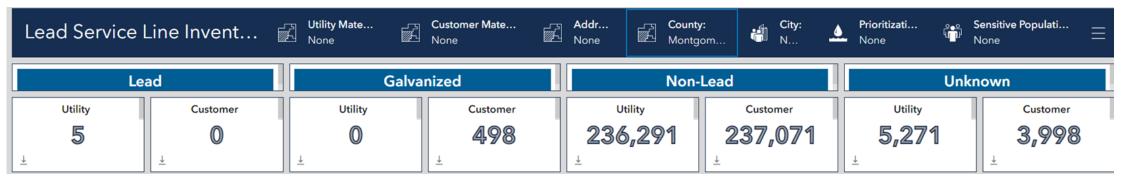


Material	Utility Side	Customer Side	Both Sides	Total
Known Non-Lead			461,510	461,510
Unknown Material (to be verified)	4,024	1,805	9,722	15,551
Galvanized Requiring Replacement (to be verified)	N/A	1,377	N/A	1,377
Lead (to be verified)	9	2	0	11
- o	\ 7/1)))///	478,449

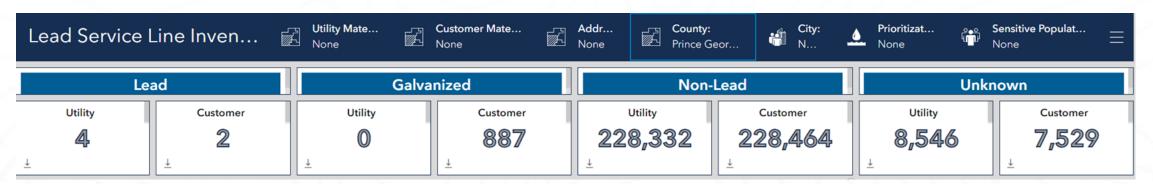
^{*}Inventory as of July 2024. Numbers will change as verification continues.

Montgomery County



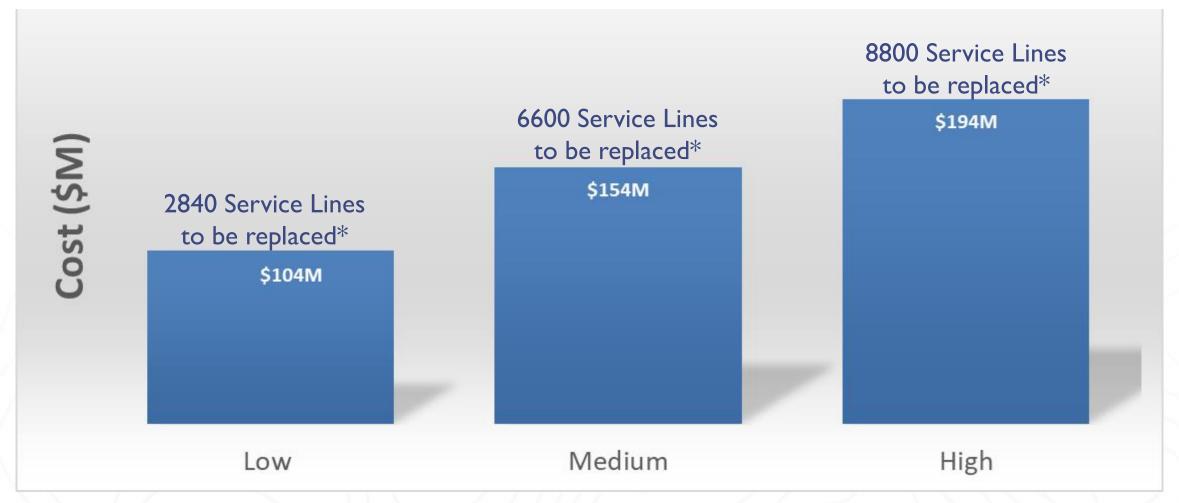


Prince George's County



Program Projected Cost Based on Initial Inventory and Likelihood Analysis







Financial and Regulatory Constraints

- Funding gap exists
 - Total program costs \$194M
 - \$22M SRF funding available
 - Applied for \$43.5M additional SRF funding
- Ratepayer dollars cannot currently be used to fund replacement of privately owned lead service lines
 - SRF funds are administered in the form of a loan, and cannot be used for private side replacement
 - Currently in discussion with MDE for possible alternative form of funds
- County support is required for customer participation and success of program
 - Assistance to require homeowner to provide access to test lines on their properties
 - O Assistance in identifying alternative funding mechanisms to address private side replacements
 - Financial assistance program to support customers in disadvantaged communities









Add health effects language (a paragraph) to CCR's beginning 2025

Language provided by EPA, already added to 2025 content. (Ongoing annually)

July 2025: Report to MDE that notifications were mailed

Repeat Annually:

Inventory Submission in Oct Notification Letters w/in 30 days Report to MDE letters were sent, July





Strategies

Dedicated contact center

Public/virtual meetings

Educational materials

Targeted outreach

Collaboration and Partnership

Community and faithbased organizations

State/local support programs

Stakeholder/county advocacy and support

Community Engagement

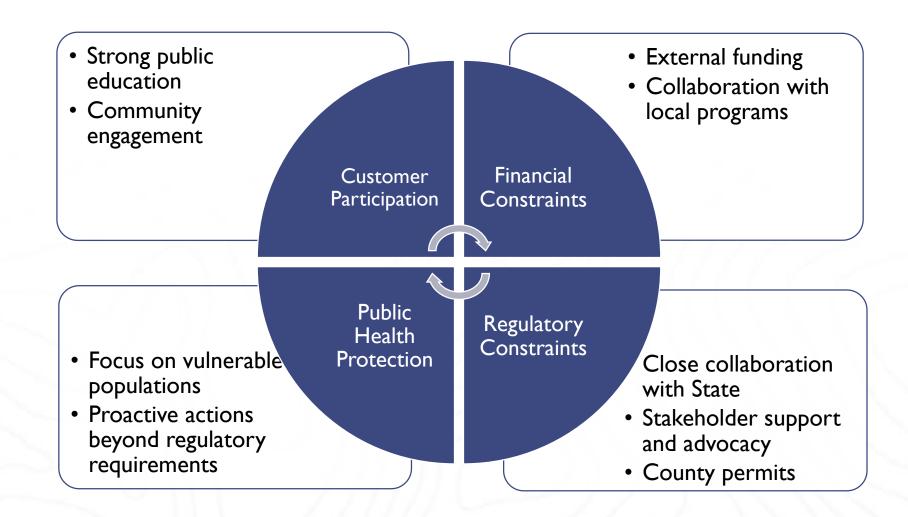
Canvass neighborhoods

Provide education

Encourage participation in both material identification and replacement



Opportunities and Challenges







Questions?

