Lead and Copper Rule Improvements

How it Affects the Water Resources Dept?

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Presentation Overview

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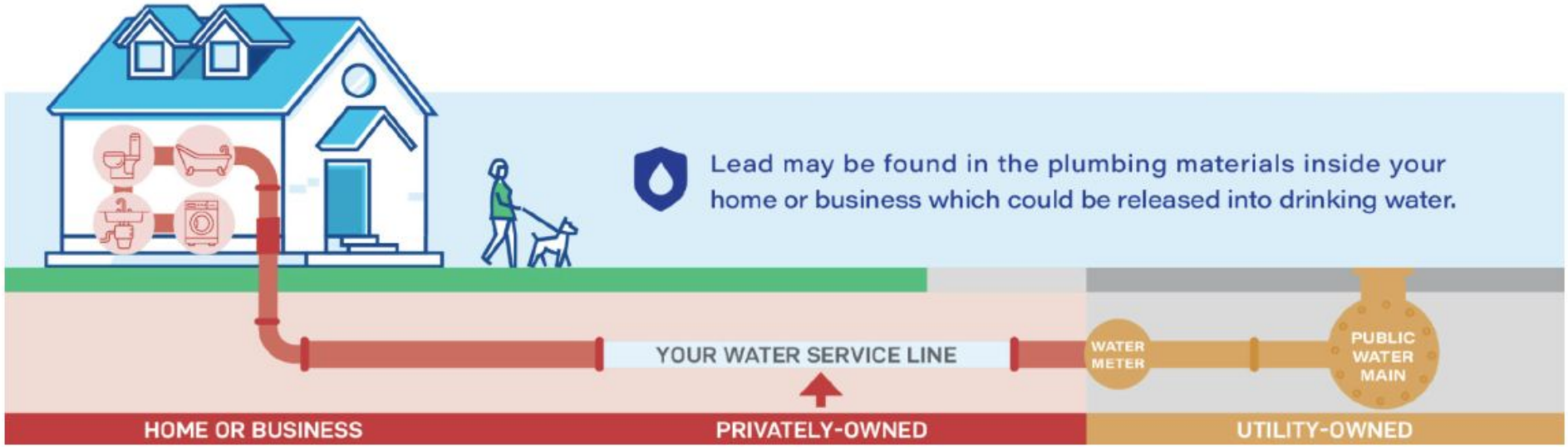
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Service Line Overview



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History of the Lead & Copper Rule

1991

Initial Rule

EPA passed the initial Lead & Copper Rule for water treatment and home testing.

Oct 2021

Revisions (LCRR)

Water Utilities submitted initial service line inventories by October 2024.

Dec 2024

Improvements (LCRI)

Water Utilities must have a replacement plan and submit a new baseline inventory by Nov 1, 2027.

Dec 2038

Replacement Goal

Deadline to replace all lead or galvanized requiring replacement service lines.

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Service Line Types to be Replaced

Lead Service Lines

None Found

No lead service lines have been found to date.

There is a **very low likelihood** that any lead service lines will be found in the system.

Galvanized (GRR)

Galvanized Requiring Replacement

- Galvanized iron pipe that was ever downstream of a lead line.
- No historical records are currently available.
- GRR is located on the **customer-owned** portion of the line.

Unknown Materials

To Be Determined

Service lines with unidentified or undocumented materials.

Requires active physical **investigations** or advanced predictive **modeling** to determine composition.

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Current Service Line Inventory

0 Confirmed Lead Lines
Very low potential any will be found

136 Confirmed GRR Replacements
Galvanized requiring replacement

41,034 Services with Unknown Material
Requires active investigations & modeling

6,156 Projected GRR Replacements
Estimated customer-owned replacements

What is Water Resources Doing?

Machine Learning (VODA.ai) Utilizing advanced predictive modeling to strategically identify unknown service lines and pinpoint potential lead or GRR locations.

Expediting the Inventory Focused on accelerating the physical and digital investigation process to determine the exact number of lines requiring replacement.

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Replacement Cost

Cost Outlook

Predictive modeling and inventory investigation will help determine the overall expected cost.

Funding Secured

$3.9 Million

NCDWI Lead Service Line Replacement Funding (Shiloh Community Find & Replace)

$403,000

Received via CDBG

Active Pursuits

Water Resources is actively pursuing additional funding opportunities:

- Grants and State aid
- Principal forgiveness loans

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LCRI Requirements

Plan Submission

A Lead Service Line Replacement Plan (LSLRP) must be submitted to the state regulatory agency by **November 1, 2027**.

Replacement Timeline

Water Utilities have a **10-year window** to replace and or document all Lead or GRR service lines.

Funding Requirement

The submitted LSLRP **must explicitly include** detailed plans on how the replacement project will be funded.

Current Funding Gap

Water Resources **does not currently have** the necessary funding secured to meet this regulatory mandate.

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Requested Actions for Customers

Participate in the Lead Awareness Program by:

- Visiting the Lead Awareness website.
- Reporting service line replacements.
- Learning how to reduce lead exposure.
- Replacing your service line if identified as lead or GRR.
- Participate in service line inspections.

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Requested Actions for Council

Lobbying Efforts

Lobby for financial assistance from NCDEQ to help ease the financial burden for Asheville's rate payers. Support efforts by the AWWA to have the Rule rewritten to be more feasible and affordable for local communities.

CDBG Funding

Maintain consistent support for Community Development Block Grant (CDBG) funding to secure critical local community development resources.

Educate Public

Proactively educate constituents and raise community awareness regarding the safety resources available in the Lead Awareness Program.

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ashevillenc.gov/leadawareness

Questions?

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Supplemental

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Replacement Cost

Fiscal Year	Need / Activity	Estimated Cost
FY 2026	Predictive Modeling Investigations	$ 385,000
FY 2027	Completion of Inventory/Predictive Modeling	$ 1,600,000
FY 2028-2038	Annual Replacement Costs (10 Year Period)	~$ 4,431,672/yr
Total	**Inventory and Replacement Program**	**~$44,316,720**

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