

Lead and Copper Program

Public Utilities Advisory Committee
May 23, 2024



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Overview

- Lead in Drinking Water
- Background and Timeline
- Our Commitments
- Program Updates
- Accolades
- Questions



Lead in Drinking Water

How Does Lead and Copper Get in Drinking Water?



Lead pipes, faucets, and plumbing fixtures



Copper pipe with lead solder



Lead service lines



Brass faucets and fixtures

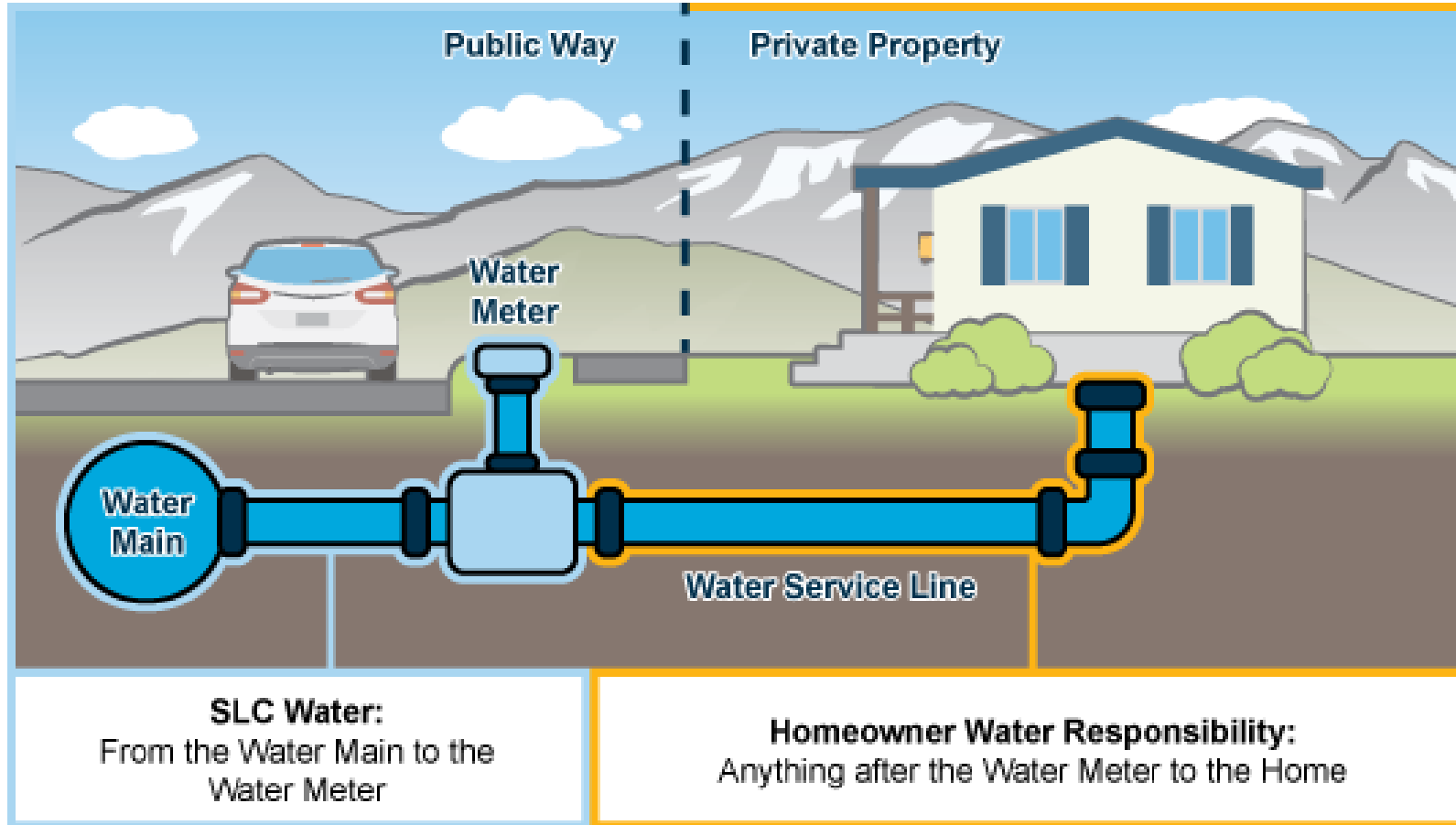


Galvanized pipe



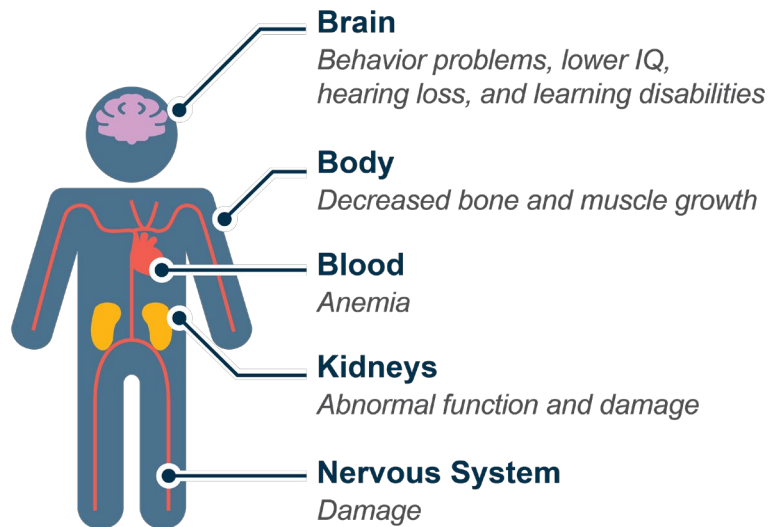
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What is a Service Line?



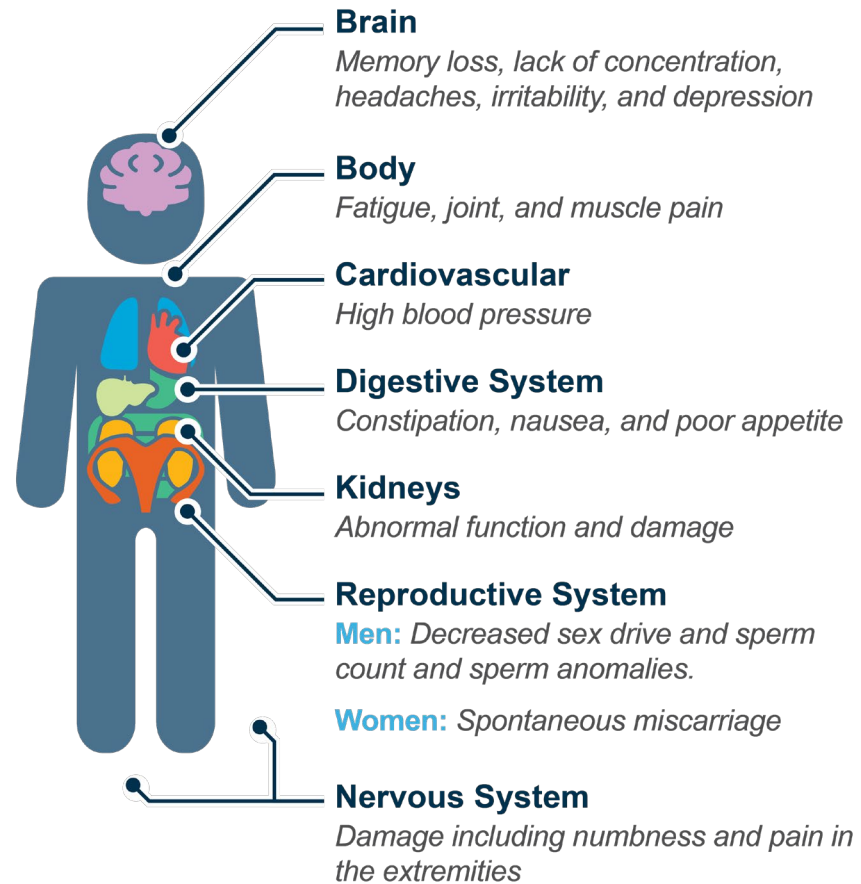
Health Impacts

Exposure in Children



Children under the age of 6 and children of women who are exposed to lead before or during pregnancy are at increased risk.

Exposure in Adults





History and Timeline

Lead in Drinking Water Program Timeline



LCRR Compliance Date – October 16, 2024



Lead Service Line Inventory



Compliance Sampling



Communications



School & Childcare Facility Sampling



Lead Service Line Replacement



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LCRI (Proposed) – October 16, 2024

- To be finalized by October 16, 2024
- Enhanced regulation from LCRR- Key Points:
 - Lowered Action Level
 - Quicker notification requirements
 - Required Lead Service Line replacement within 10 years
 - No unknown service lines
 - Includes lead connectors in inventory



Our Commitments

Program Priorities



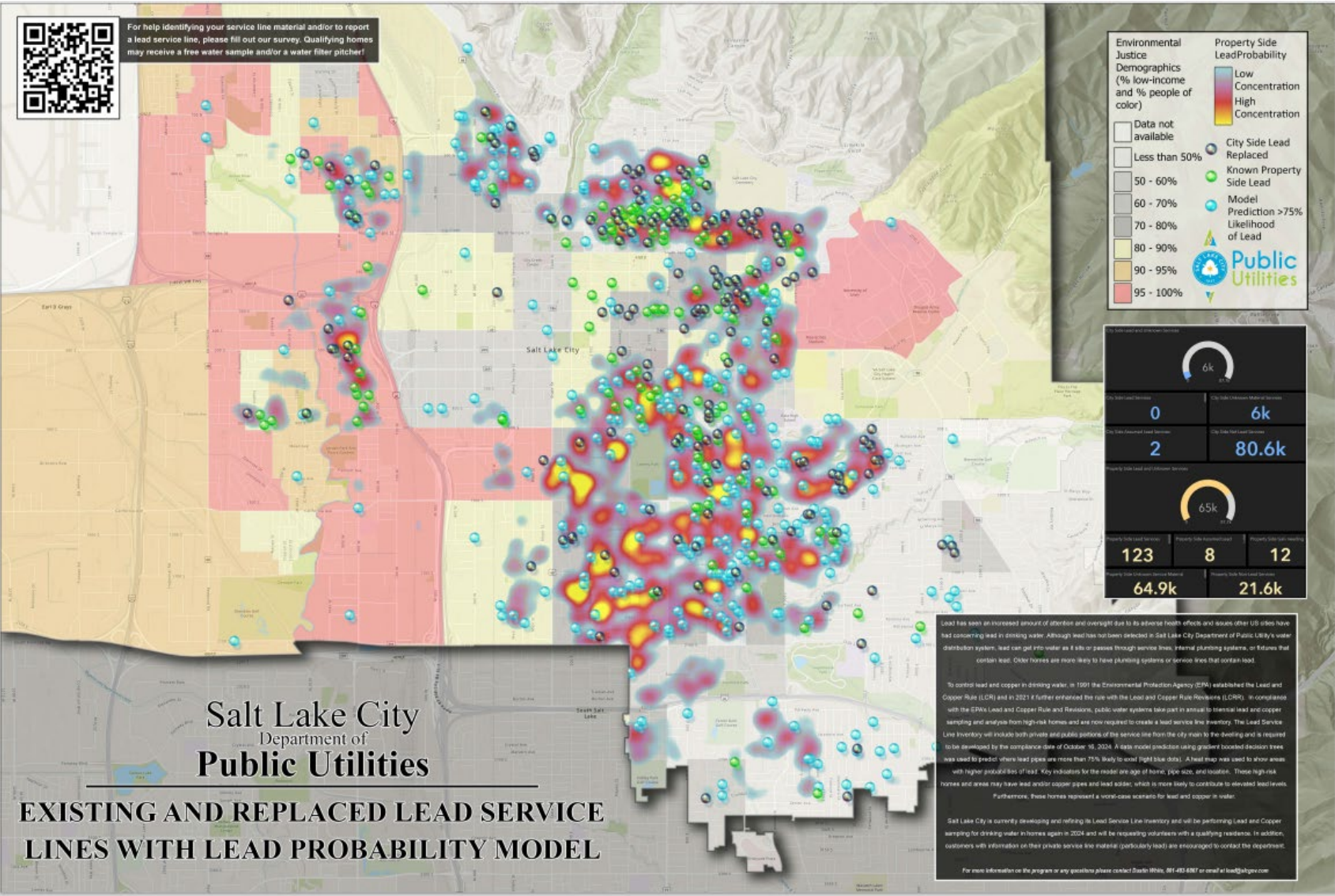
Children



Environmental Justice



Older Homes

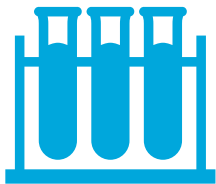


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Our Services



Free Home Inspections



Free Sampling to Qualifying Homes



Filters for Known Lead



Coming Soon... Lead Service Line Replacement

Program Updates

Lead Service Line Inventory - Identification



Not one-size fits all

- Records Review
- Self Reporting- survey
- Inspections
- On-going field work
- Excavation
- Sampling*
- Predictive Modeling*

*Developing partnership with the EPA's Office of Research and Development

Lead Service Line Inventory- Progress



- Secured \$100,000 grant to develop inventory
- Met EPA LCRR requirement nearly 1 year prior to deadline
- Reviewed over 30,000 City records
- Worked with State Division of Drinking Water to create inventory guidance manual
- Reduced Unknowns by approximately 40,000 to-date
 - Anticipated to have identified over 65,000 service lines by the compliance date
- Lead and Copper Improvements rule (proposed) requires all unknowns identified by 2037

Public Education and Outreach

Trained over 300 DPU
staff members

Presented at City
Council and Community
Councils

Notified all customers
with LSL and offered
available resources

Developed and
implemented process to
notify customers after
LSL replacement.

Automated sampling to
drop shipping

Updated website and
outreach materials,
including survey for self
reporting & [Public
Facing Inventory Map](#)



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Public Education and Outreach



Dustin White, Rose Park Community Council Presentation

Take Our Survey to Help Us Ensure You're Drinking Lead-Free Water!

SLCDPU delivers customers lead-free water, but lead can get into water as it sits or passes through service lines, internal plumbing systems, or fixtures.

Visit our website at www.slcleadandcopper.com to learn more about our program and take our survey!

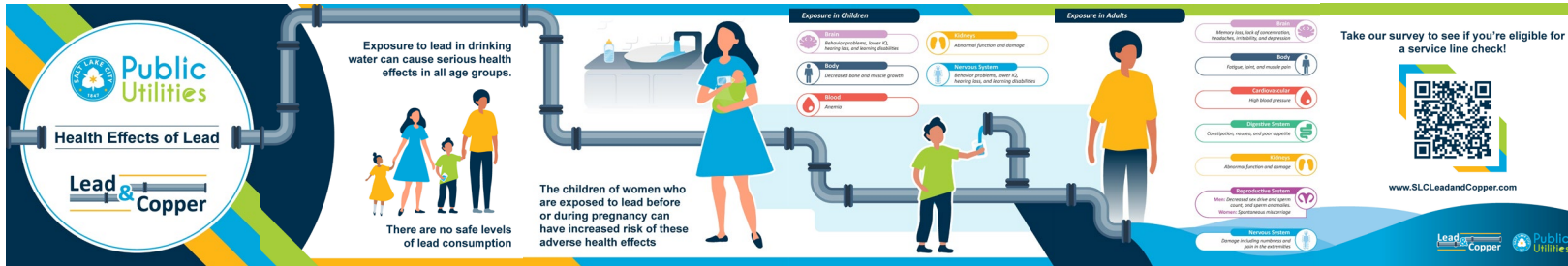


Social Media Post, Facebook banner

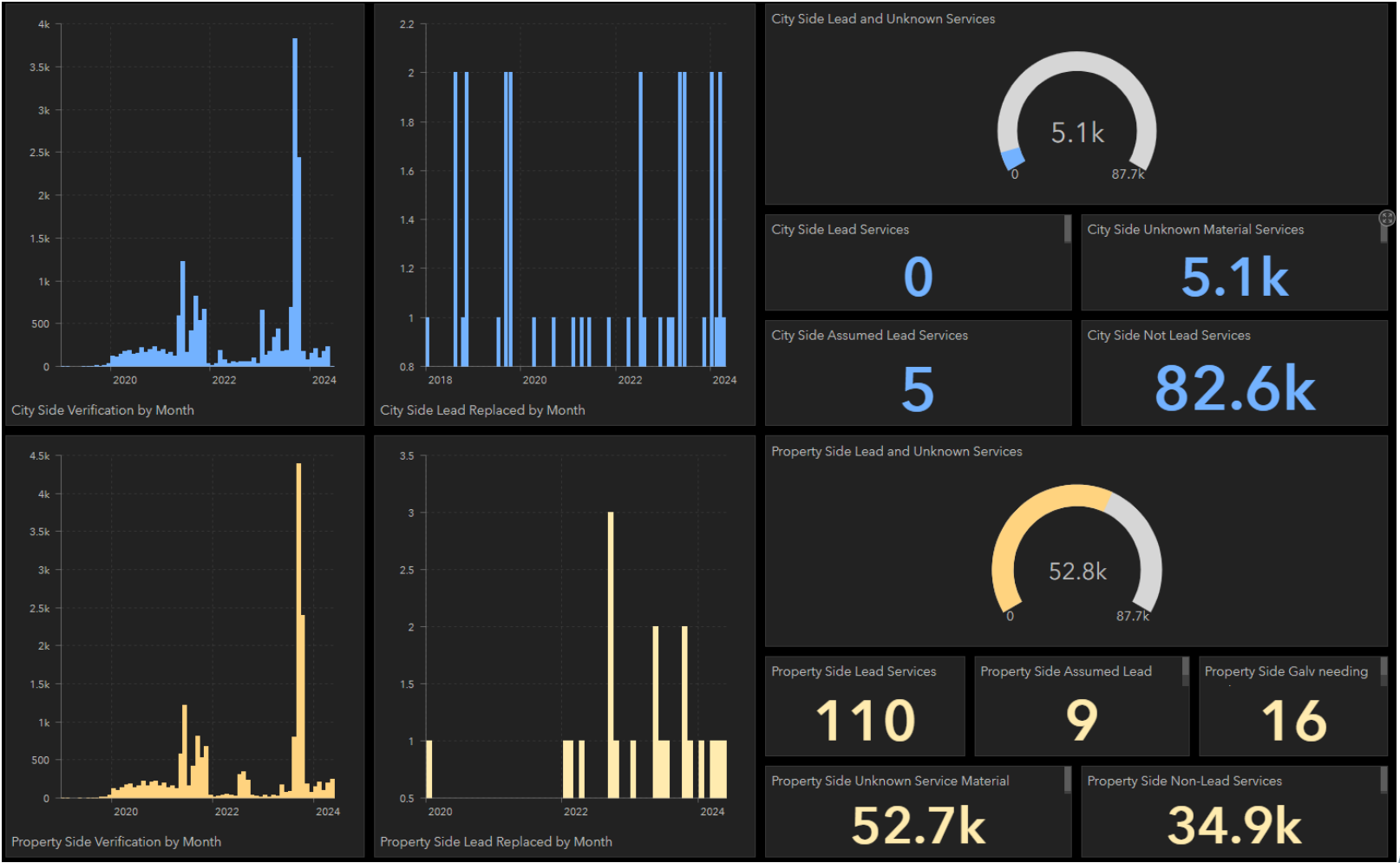


Mayor Mendenhall, DPU Staff Taylor Knorr and Austen Tingey, Councilman Chris Wharton, Avenues Street Fair

Social Media Post, Instagram carousel



Inventory & LSLR Overview



Inventory & LSLR Overview

2021

Records Review Started
Initial Inventory Started
GIS Dashboard Created
99,000 Unknown, 6 LSL

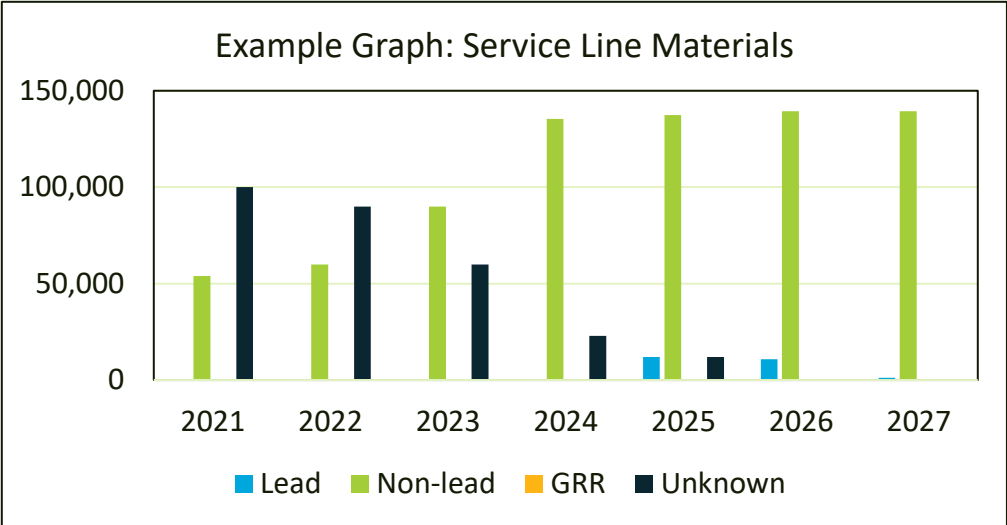
2022

11608 Records Reviewed
65 Field Investigations
37 Water Quality Samples
75,000 Unknowns

2023

24123 Records Reviewed
168 Field Investigations
70 Water Quality Samples
70,000 Unknowns

From 2021 to the compliance date October 16, 2024, it is anticipated to have reduced the number of unknowns from 99,000 to 25,000!



2024 (Year 1 LSLR)

464 of 1000 Customer Surveys
98 of 800 Field Investigations (500 PH)
300 of 380 Water Quality Samples
130 LSLR
58,000 Unknowns

2026 (Year 3 LSLR)

1,000 Field Investigations
1,200 LSLR
X Unknowns

2025 (Year 2 LSLR)

1,000 Field Investigations
1,200 LSLR
25,000 Unknowns

2027 (Year 4 LSLR)

1,000 Field Investigations
1,200 LSLR
X Unknowns

LCRI Compliance Fall 2027 (Mandatory LSLR)

Funding



\$100,000 grant awarded to develop Inventory

39 Million Dollars awarded from the Bipartisan Infrastructure Law (BIL) through State Revolving Fund (SRF)

- Available over a 5-year period
- 49 % Principal Forgiveness Loan (Grant)
- 51% Low interest Loan of 1.5% over 39 years
- Hardship Criteria
- First time SLC has qualified for SRF money

Media Attention

- White House Visit



Tom Perez, Senior Advisor to POTUS and Director of White House Office of Intergovernmental Affairs
Jenny Wilson, Salt Lake County Mayor

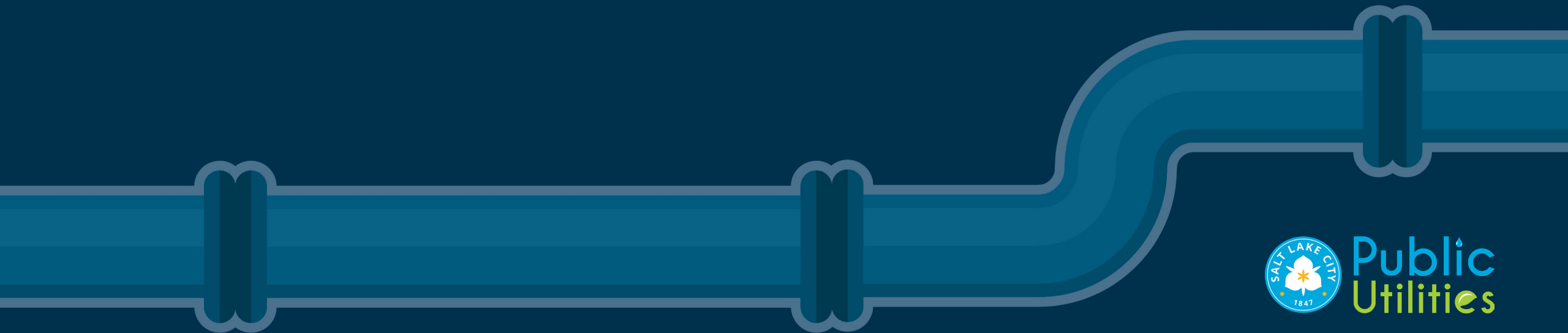


Doug Emhoff, Second Gentleman of the United States




Laura Briefer, Director, SLCDPU
Erin Mendenhall, Salt Lake City Mayor

Accolades



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“So grateful for your program and thank you for bringing it to the Poplar Grove meeting. Ryan and Austin were so very professional and pleasant and confident! They listen to my concerns and went the extra mile! They tested solder on copper joints and assured me that our water does not contain lead from my pipes.”

While working closely with the state of Utah on our program we have developed best practices, and the State has used our materials as examples of the gold standard for outreach and education.

Questions