



# Lead and Copper Rule Revisions and AWWU Updates

*A presentation to  
Assembly Enterprise and Utility Oversight Committee  
September 19, 2024*

*Brian Baus, P.E., Operations and Maintenance Director  
Mark A. Schimscheimer, P.E., Engineering Division Director*

# Presentation Overview

- Lead and Copper Rule
  - Summarize Requirements
  - 2024 Public Involvement
- Upcoming Items for Assembly Approval
  - AWWU Professional Services Term Contracts
  - Sole Source Request Water Rights Legal Assistance
  - Project Management Office Contract



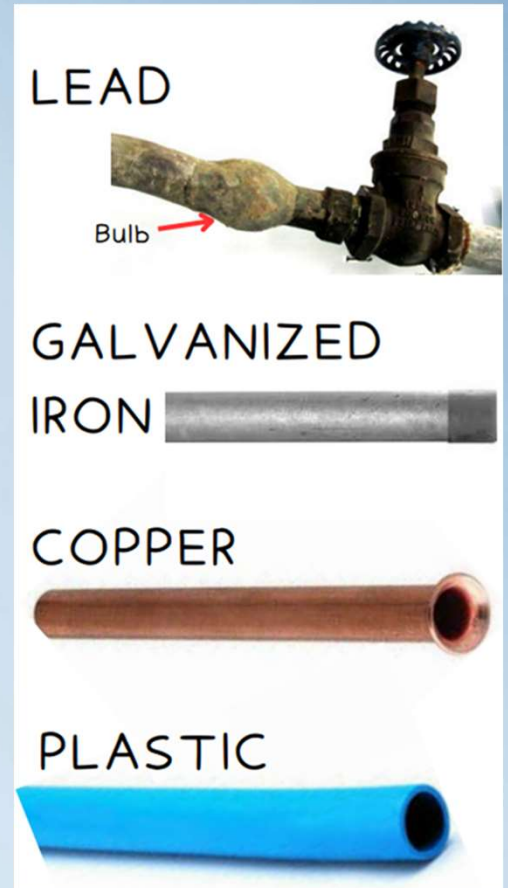
# Lead and Copper Rule Summary

- Lead and Copper Rule (LCR) was adopted by EPA in 1991
- Intent to protect public health by minimizing lead and copper levels in drinking water
- Initial Requirements
  - Monitoring of Lead and Copper in the drinking system and at end user taps
  - Action required if concentrations exceed specified limits (Lead - 15ppb/Copper-1.3ppm of 10% sampled)
- The rule was revised in 2000, 2004, 2007, and 2021
- 2021 revision required specific steps be taken regarding lead service connections



# 2021 Lead and Copper Rule Revision Summary

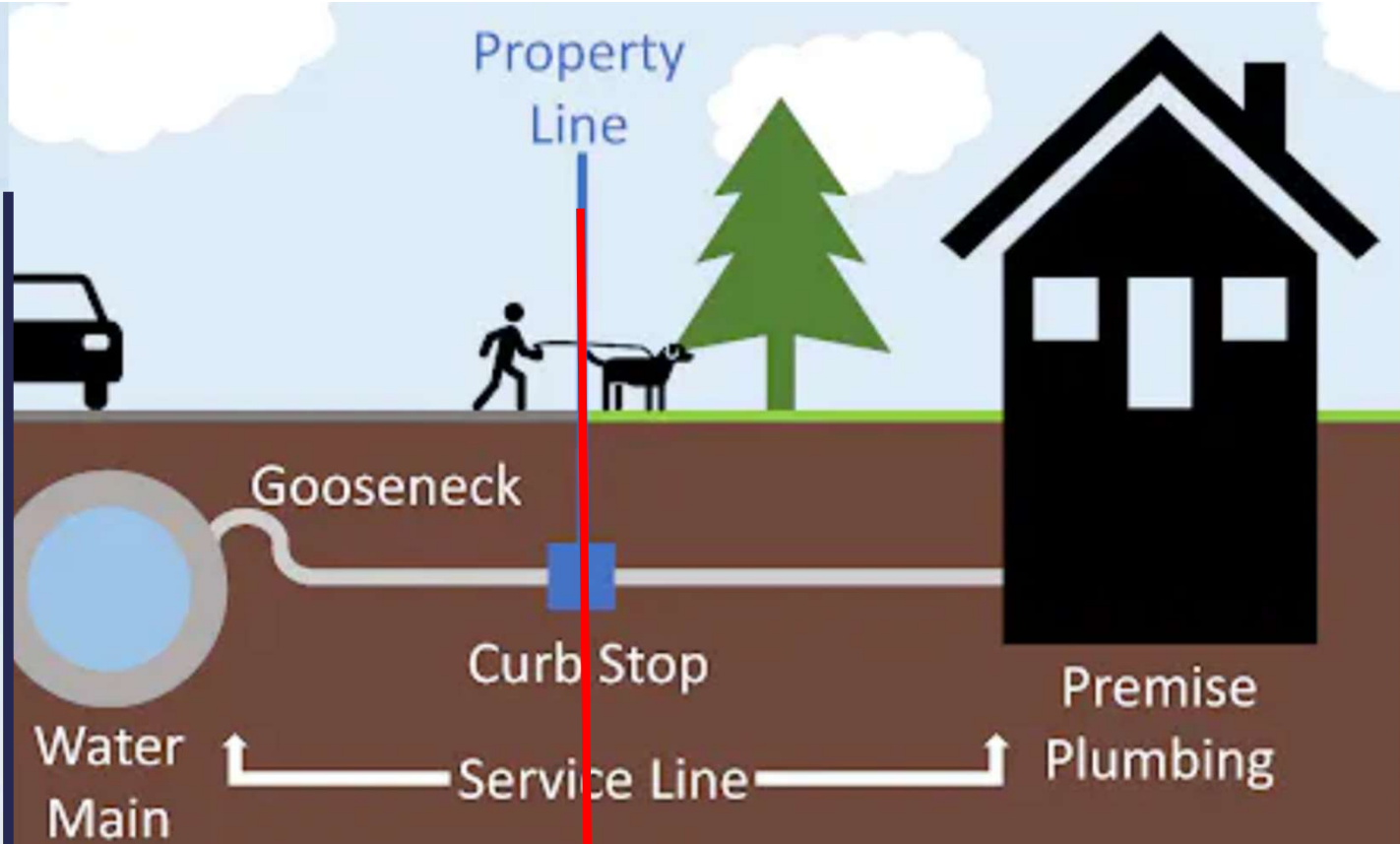
- Goals for Lead Services
  - Identification
  - Public Awareness
  - Removal of Lead services
- October 16, 2024 Rule Requirements
  - Lead Service Line Inventory
  - Lead Service Line Replacement Plan
- November 15, 2024 Rule Requirement - Customer Notification
- 2024-2034 Requirements
  - Resolve unknown material in inventory
  - Replace service material contributing to lead sources



**AWWU's Challenge is to resolve Unknown Material on the Customer Owned Portion of the Service Line**

**Material Identification within Lead Service Line Inventory**

- Lead
- Non-Lead
- Galvanized Iron Requiring Replacement
- Unknown



AWWU Water Systems	AWWU Owned Portion Material Type	Customer Owned Portion Material Type
Anchorage	Non-Lead ~ 94%	Non-Lead ~ 28%
	Unknown ~ 6%	Unknown ~ 72%
Girdwood	Non-Lead ~ 98%	Non-Lead ~ 38%
	Unknown ~ 2%	Unknown ~ 62%

# AWWU 2024 Customer Notification Efforts

- AWWU Website will go live on 10/16/2024
  - General Information
  - GIS Inventory Data
  - Replacement Plan
  - Interactive component for customers to provide service material information
- Postcard Notification to Customers with Unknown Material Types
  - 10/16/2024 – 11/15/2024
  - Directed to Website
  - Call Center Availability to Provide Assistance to Customers



# Future Lead and Copper Rule Compliance

- Within 5 years Resolve Unknowns in Inventory
  - Additional Records Review
  - Additional Customer Interaction
  - Field Verification/Testing
- Within 10 years Remove Any Lead Services Found
- Maintain Inventory Indefinitely



# Request for Assembly Approval of Professional Services Term Contracts

- Request for Approval on Regular Assembly Agenda 9/24/2024 (AM 270-2024)
- 13 Professional Services Term Contracts
  - Civil Engineering
  - Landscape Architecture
  - Structural Engineering
  - Electrical Mechanical, Coatings and Corrosion
  - Geotechnical Engineering with Environmental Services
  - Project Management
- Non-Encumbering – Not to Exceed \$10,100,000
- 3 Year Term





# Intent of AWWU Professional Services Term Contracts

- Supplements Activity of Municipal Staff
  - Design and Construction Management
  - Addresses technical gaps in knowledge and ability
  - Can be used by all Departments
- Critical for Emergency Response
- Provides for agility in the execution of work

## Historical Usage Summary

Term Contracts	Original Value	Proposed Work	Billed Work	Number of Contracts
2019 – 2 Years	\$9,850,000	\$4,332,000	\$3,762,000	17
2022 – 2 years	\$7,350,000	\$3,725,000	\$2,163,000	16
2024 – 3 years	\$10,100,000	TBD	TBD	13



# Water Rights Legal Assistance – Sole Source

- Ship Creek Water Rights – Historical Ambiguity
- Recent change by Alaska Department of Natural Resources (ADNR)
  - Moved MOA/AWWU water right appropriation ahead of Joint Base Elmendorf Richardson
  - Warrants a closer look at historical water rights
- \$100K Sole Source to Perkins Coie, Eric Fjelstad, Water Rights Attorney
  - Time if of the essence to meet ADNR Appeal Deadline
  - Anticipate future Request for Proposals for additional Water Rights analysis for high production water wells
- Request for Assembly Approval on September 24<sup>th</sup> (AM 735-2024)



# Project Management Office (PMO) Contract

- PMO to Supplement MOA Staff for Federal Grant Funded one-off Projects
- Existing AWWU PM Staff is made up of 16 full time AWWU employees plus dozens of professional service contractors that manage \$30-\$40M annually in CIP; the grant awards more than doubles that workload that have strict compliance criteria, hence the need for the PMO; our existing staff will be fully utilized for this work IF they have availability; There is no guarantee of continued funding, hence we cannot add additional full-time staff
- PMO can also be utilized for other MOA federal grant awarded work
- To date:
  - \$50 million in approved State and Federal Grants
  - \$85 million pending Federal budget approvals and competitive BRIC Grant
  - \$25 million in AWWU/HLB/SWS/MOA match in capital budgets
  - Efforts continue to pursue additional funds
- Contractor Selected through Competitive RFP Process
- Request Assembly approval September 24, 2024 (AM 722-2024)



# Questions Comments

