





ORDINANCE NO. 260584

Drinking Water Service Line Materials Inventory, Amendment No. 2

Authorizing the Director of Water Services to execute a \$2,079,984.00 professional, specialized or technical services contract Amendment No. 2 to Contract No. 9741 with AECOM Technical Services, Inc., for the Drinking Water Service Line Materials Inventory project for a total contract amount of \$5,922,278.00.

July 7, 2026

Transportation, Infrastructure & Operations
Committee

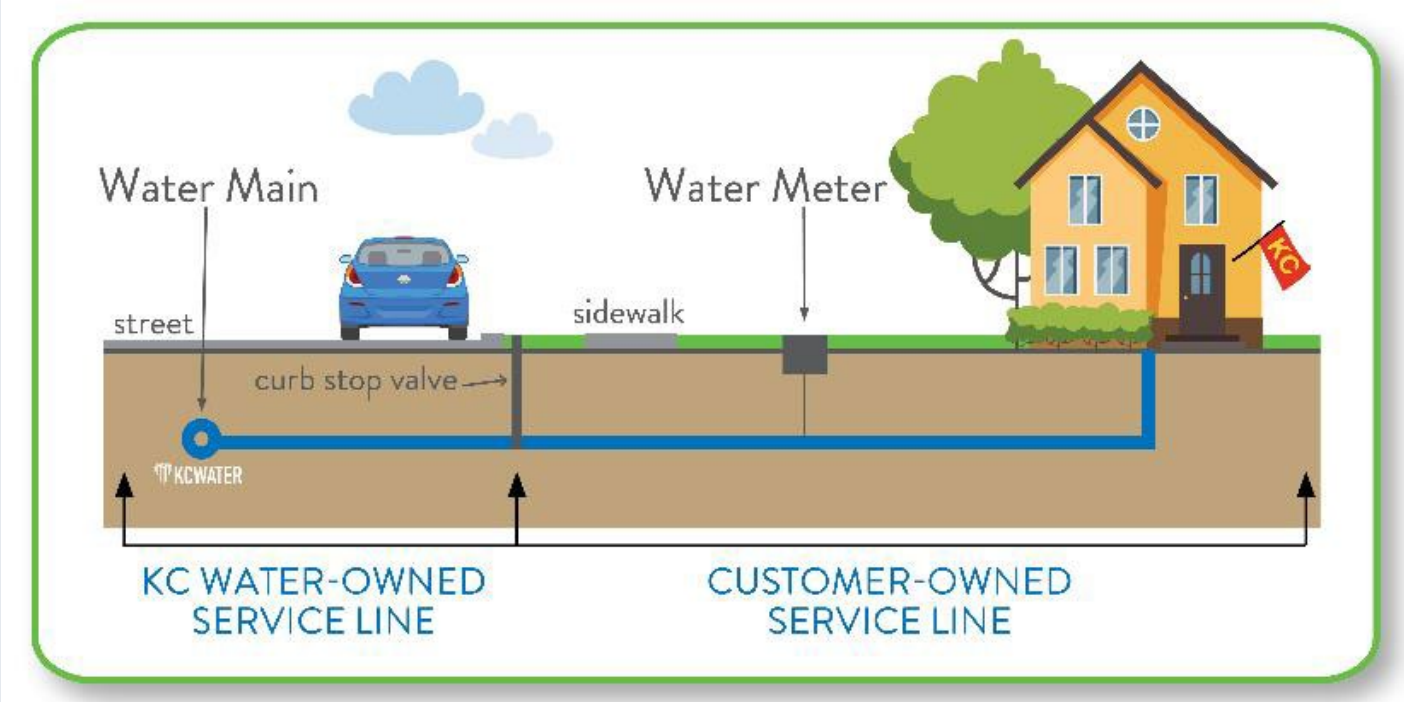




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Background

- In December of 2021, the EPA updated rules for drinking water.
- Every water utility in the country is required to determine the materials that make up drinking water **service lines**.





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Service Line Inventory Program Key Dates

**Pilot Study and
Continued Field
Observations**

Summer 2026 –
March 2027

(anticipate to cont.)

**Annual Update to
Inventory and
Customer
Notification
Letters**

November 2026

**LCRI Compliance
Date**

November 2027





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Pilot Study (2026)

- Identify best practices to:
 - Confirm accuracy of historical records
 - Identify unknown lines
 - Build support with the public
 - Create foundation for long-term program
 - Trial run self-reporting tool
- Pilot Test methods before expanding across city
 - Two neighborhoods (est. 400 properties)
- Field Activities are anticipated to continue throughout 2026 and 2027 to reduce unknowns prior to LCRI Compliance Date, November 2027

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Results of the 2025 Update to Initial Inventory

Service Line Material	2024	2025	# Change
Non-Lead	22,957	22,951	- 6
Galvanized	127,194	129,959	+ 2,765
Unknown	27,866	24,827	- 3,039
Lead	0	0	0
TOTAL	178,017	177,737	- 280



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Website

Program Information, Self-Reporting Tool, Education, Online Map

The screenshot shows the KC Water website interface. At the top, there is a navigation bar with the KC Water logo on the left, and buttons for 'PAY BILL' and 'MY ACCOUNT' on the right. A language selection dropdown is also present, indicating it is powered by Google Translate. Below the navigation bar is a dark blue menu with links for HOME, CUSTOMER SUPPORT, PROJECTS, EDUCATION, WATER QUALITY, NEWS, PROGRAMS, and ABOUT US. A search bar is located on the right side of this menu.

The main content area is titled 'Water Service Line Inventory' with a breadcrumb trail 'HOME / WATER SERVICE LINE INVENTORY'. On the left side, there is a vertical menu with the following links: SELF-REPORTING TOOL, ONLINE MAP, RESOURCES, INFORMATION ABOUT LEAD, and CONTACT THE TEAM.

The main text area contains the following information:

- A paragraph stating: "KC Water is dedicated to delivering safe and reliable drinking water to over 650,000 residents in Kansas City and the metro area. Kansas City takes the safety of drinking water seriously and it's the top priority of the KC Water Department. To ensure the highest quality, the City of Kansas City is part of a national effort to detect and remove lead from public water systems and drinking water."
- A link: "→ Water Service Line Inventory Map"
- A paragraph: "Along with other water utilities in our region and across the country, KC Water is compiling an inventory of water pipe material on city-owned (KC Water) and customer-owned (private) service lines to fulfill federal requirements. This is called the **Water Service Line Inventory**. The inventory is updated on an annual basis in October as new information is collected."
- A paragraph: "These requirements are from the United States Environmental Protection Agency (EPA) and listed in the [Lead and Copper Rule Revisions \(LCRR\)](#) to better protect public health."

On the right side of the main text area, there is a graphic with a map of Kansas City and the text: "What's your pipe made of? Search your address to check the material of your water service line."

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Online Map

Allow customers to look up their service line findings – City Wide

KCWATER Water Service Line Inventory

Enter Street Address

About the icons
 A property address is represented by a circle icon. The circle is divided in half. Each half corresponds to the material identified for the city-owned and customer-owned portions of the water service line.

The **left** half of the circle represents the city-owned service line (KC Water).
 The **right** half of the circle represents the customer-owned service line (private).

Icon Color Key

COLOR	MATERIAL
Yellow	Lead
Orange	Galvanized
Blue	Non-lead
Gray	Unknown

Yellow - This means the KC Water inventory has a record that this portion of the service line is made of lead.

Orange - This means the KC Water inventory has a record that this portion of the service line is made of galvanized steel.

Blue - This means the KC Water inventory has a record that this portion of the service line is not made of lead.

Gray - This means that KC Water does not have an historic record of the service line material at the property.

Icon Pop-up Box Information

- Click on the circle icon for more information.
- A pop-up box will appear with material for the city-owned and customer-owned side of the service line.
 - Material: Lists the specific material of the pipe.

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ORDINANCE NO. 260584 Notification Letters (November 2026)

- To all customers/consumers with unknown and galvanized lines
- 70,000+ letters
- Translations provided on website

The Environmental Protection Agency, under 40 Code of Federal Regulations § 141.84, requires all public water distribution systems in the United States to develop an inventory of water service lines – the pipes that connect and provide water from the utilities' water mains to buildings and homes – by October 16, 2024. The inventory includes the material makeup of each service line and may be classified as either non-lead, lead, galvanized or unknown. The goal of the requirement is to identify lead service lines and minimize lead exposure in drinking water. KC Water's inventory is available online at: <https://www.kcwater.us/serviceinventory>.

Health Effects of Lead in Drinking Water

Exposure to lead in drinking water can cause serious health effects in all age groups. Infants and children can have decreases in IQ and attention span. Lead exposure can lead to new learning and behavior problems or exacerbate existing learning and behavior problems. The children of women who are exposed to lead before or during pregnancy can have increased risk of these adverse health effects. Adults can have increased risks of heart disease, high blood pressure, kidney, or nervous system problems.

water can cause a greater amount of lead to be released from plumbing and may contain metals and bacteria that build up in the water heater. Boiling water does not remove lead from water.



Replace private lead service pipes and household galvanized plumbing. Replace private lead service pipes with new pipes. When lead is released from lead service pipes and passes through galvanized pipes, lead can collect on the interior corroded walls of this plumbing and release lead in household water. Contact a licensed plumber about replacing household plumbing.

Steps to Reduce Lead in Your Drinking Water



Run the cold water tap for two minutes before using it for drinking and cooking. Lead and other metals can dissolve in water when it sits in pipes for a few hours.



Flush cold water taps after installing new household pipes or fixtures. New plumbing can release metals after installation. Flush cold water taps for five minutes at a high flow rate once a day for three days, especially before using water for drinking or cooking.



Drain your water heater annually. Over time metals, sediment, and bacteria can build up in your water heater.



Remove and clean faucet aerators. Lead particles and sediment can collect in the aerator screen located at the tip of your faucet. Aerators should be replaced once a year and are available at local hardware stores.



Use filtered tap water. If you are pregnant or have children under age six, use cold, filtered tap water for drinking and cooking until all lead sources are removed. This includes water used for making infant formula, beverages, and ice. Select a filter certified to meet NSF Standard 53 for lead. The filter package should specifically list the device as certified for removing the contaminant lead. Routinely replace filter cartridges according to the manufacturer's instructions.



Use only cold water for drinking, cooking, and making baby formula. Always use cold tap water, including water used for making ice, beverages, and infant formula. Hot tap



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Next step: LCRI Compliance Date

- The LCRI has a multitude of requirements to be met by the November 2027 Compliance Date, these requirements will begin preparation under this amendment
 - Submit a Baseline inventory
 - Identify Inventory Validation Pool
 - Submit a Service Line Replacement Plan
 - Update City programs to account for new Lead Action Level
 - New Tap Water Sampling Protocols
 - Service Line Disturbance Correspondence
 - Water Filter Coordination (Distribution and Education)
 - Additional Communication with State regarding School & Childcare Facilities

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Send Constituent Questions Our Way



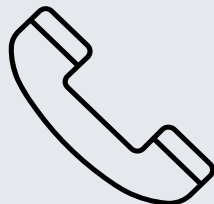
Project Webpage

<https://www.kcwater.us/servicelineinventory>



Project Team Email

water.servicelineinventory@kcmo.org



Project Hotline

816-513-0150

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M/WBE Subcontractor Participation

CREO KC approved the Contractor Utilization Plan on February 21, 2023, with 10% MBE and 10% WBE participation.

MBE Firm

Parson & Associates, LLC

WBE Firm

TREKK Design Group, LLC

THANK YOU

