

Cannonsburg Water District has an existing GIS system with extensive records of line locations, materials, and ages. They are in line to start using the KWRA system developed as a part of the LSL implementation. With both records and a way of documenting needed changes, the planning process should be simple even for such a large system.

Much of the Cannonsburg system is new and many of the homes are newer so lead should be a rarity in their system. PVA data and tax records will make it easier to narrow down areas that will need to be checked in person. Documenting these findings and reporting them back to affected homes can be noted in billing software for ease of notifying residents.

Goal 1: Identify areas of system that may have lead lines and do in person checks.	August 2023
Goal 2: Identify possible affected homes using PVA data/local knowledge.	November 2023
Goal 3: Begin notification cycle to affected households.	December 2023
Goal 4: Replace any identified distribution lines.	Spring 2024
Goal 5: Final documentation of all findings, replacements, and unresolved issues.	June 2024

Products:

Lead service locations and homes will be recorded and reported in GIS format using new KWRA database of water lines. Tracking throughout the process will be in a shapefile for lines and excel file for homes.

Methodology:

The current plan is for staff to locate possible line issues and as many homes as possible but a contractor has not been ruled out to assist locate homes using tax records and PVA data.

Associated Costs:

Costs are estimated based on general assumptions. It is unlikely that the city will have the capacity to deal with inspection and location with current staff. Estimates to hire and use specialists to conduct some/all of this work estimated at \$100,000.

Acquisition of data and development of databases estimated at \$85,000.

Excavation and restoration activities to confirm line material and replacement of lines estimated at \$275,000.

Total estimated cost \$460,000.