

DRINKING WATER STATE REVOLVING FUND



LEAD SERVICE LINE REPLACEMENT

State Program:

Virginia Drinking Water State Revolving Fund Program

Assistance Recipient:

Town of Hillsville

Project Name:

Lead Service Line Inventory

Initial Agreement Date:

2023



Project Description

The Environmental Protection Agency's (EPA) Lead and Copper Rule Revisions requires water systems to conduct a lead service line inventory. The Town of Hillsville, a community of 2,884 people identified as disadvantaged by the Virginia Department of Health under the Safe Drinking Water Act, is located in the rural Appalachian region of southwest Virginia. It needed a cost-effective solution to conduct a lead service line inventory.

The Town secured a **\$250,000 DWSRF Infrastructure Investment and Jobs Act (IIJA) Lead Service Line Replacement loan with 100 percent principal forgiveness to conduct their inventory to meet the required deadline of October 2024.** The Town used a Geographic Information System (GIS) smartphone application to geolocate service line locations, document service line material, and populate a GIS database. Customers used the GIS application on their smartphones to submit photos and information about their privately owned service lines. With innovative technology and community participation, the Town was able to record the entirety of their 1,200 water service line connections, both municipally and privately owned, and submit their inventory on time.



**DWSRF Assistance
Provided
\$250,000**



**Principal
Forgiveness
\$250,000**

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This case study comes from the [Aquarius 2025 Compendium](#).