



CDM Smith & Passaic Valley Water Commission



About



Passaic Valley Water Commission

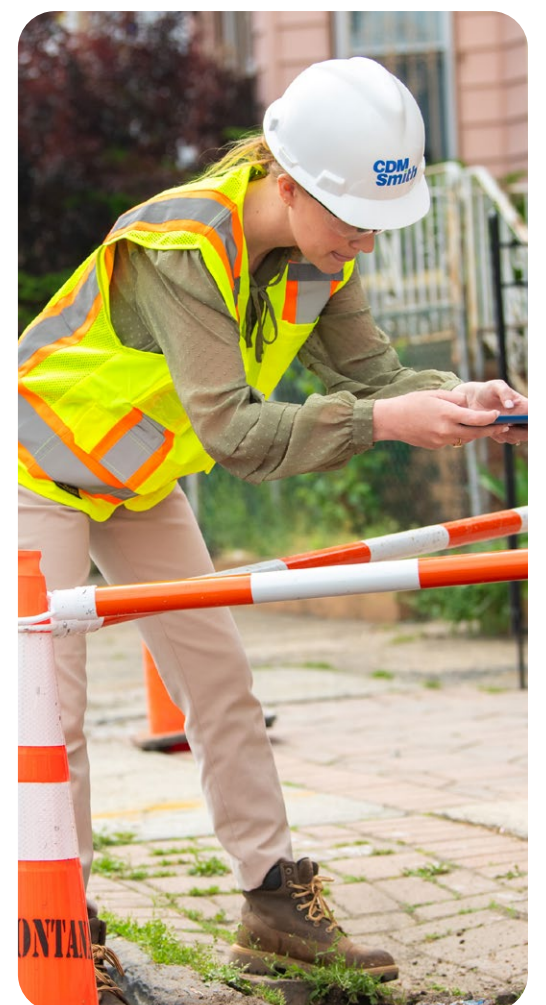
[Passaic Valley Water Commission](#) (PVWC) is a public drinking water supplier owned by the cities of Paterson, Clifton and Passaic, servicing about 800,000 New Jersey customers. In order to meet requirements for a recently legislated New Jersey law, the public utility is required to replace all lead and galvanized steel service lines by 2031. Lead, which is often present in the plumbing fixtures of older homes, can cause severe health problems.

Challenge

PVWC contracted [CDM Smith](#), an engineering and construction firm, to manage the lead service line replacement, ultimately replacing 6,500 lead and galvanized steel service lines. The program included door-to-door inspections of thousands of homes to determine whether service lines were made of lead or galvanized steel.

CDM Smith needed a state-of-the-art project management information system (PMIS) to manage the complexities of the lead service line program construction activities.

After extensive research and evaluation, CDM Smith chose the Kahua platform to handle complex lead service line inventory related data.



Action

CDM Smith also needed a PMIS system that had a mobile app, since capturing the lead service line related construction data in the field was necessary to maintain data quality. [Kahua's mobile app](#), which is available for [iOS](#) and [Android](#), helped the team capture field data.

In addition to the Kahua mobile app, CDM Smith is using the Customer Address Management app to maintain the lead service line inventory. This inventory app is useful in providing the addresses that are directly referenced in the site inspection app, when the field inspectors complete the construction inspection.

The Customer Address Management app is frequently updated to reflect the changes to the GIS inventory of the lead service lines.

"The Kahua app was way ahead of the competition, with an intuitive, easy-to-use interface. Additionally, the Kahua field app allowed CDM Smith's inspectors and resident engineers to upload multiple photos at the same time. We also used photo captured dropdowns with the app, which make it easy to capture and document photos in the field."

Amol Daxikar | Project/Program Management Information System Implementation Specialist

"Kahua's app helps us maintain our high-quality standards."

Brian Kearney | Project Manager

Result

The Kahua platform enabled CDM Smith employees and inspectors to capture asset data in the field quickly and efficiently and create documentation in real time in order to focus on the construction activities.

