



Henry County, TN – Water Project

Project Location: Henry County, TN

Team Members Needed: Please see description and responsibilities of team members needed (at a minimum):

1. Responsible Engineer in Charge (REIC) - *Four years of professional experience and have appropriate licensure in project state or territory*
2. Quality Assurance Manager (QAM) - *Four years of experience*
3. Project Lead

Full descriptions and roles/responsibilities are linked and can be found on our website. Outside of those listed above, additional general project team members are welcome.

Project Background: A rural community in Henry County, TN, is seeking to replace 1,150' of 4" cast iron water lines that were installed in 1920 with 6" PVC pipes, improving the town's fire flow capacity and reliability of water service. As the existing main is over 100 years old, main has deteriorated substantially and an operator has to flush daily to keep them free of rust. Additionally, the community experiences substantial water loss from the main (30%), again as a result of age and condition. Fixing the water lines would result in improved reliability, water quality, and the switch to 6" main is believed to be able to bring the town in compliance for fire suppression requirements.

The town is also seeking to implement a stormwater collection system, which would direct water away from homes in historic flooding areas, into a collection area.

Description of the Community: The town, located in Henry County, TN, is a rural, low-income community with a high rate of poverty. The town has a population of 453, with a large portion of the community working in the agriculture sector. Replacing the pipe system would directly support 50 individuals served by the water main, while the stormwater collection system is estimated to support half of the town's total population.

Project Scope of Work: The community is in need of a Preliminary Engineering Report to support its project intended to bolster infrastructure through creating a stormwater collection system in areas of historic flooding, and enhancing its fire suppression system.

Timeline: No set timeline, but as soon as possible to get the problems resolved.

Contact: Please direct all project inquiries to CECinfo@ewb-usa.org.