

RENEW

BACKGROUND

Middlesex Water Company, a water purveyor established in 1897, has over 700 miles of pipe within its water distribution system in central New Jersey. Some of this pipe is cast iron, and over time the build-up of iron scale inside a pipe can diminish its water carrying capacity.

In the 1970s, Middlesex Water began a program to begin cleaning and cement lining cast iron pipe. In 1995, this program was formally given the title RENEW, essentially because the cleaning and lining process did just that -renewed and extended the life of the pipeline. Accumulated scale was removed from the interior of the pipe, and then the pipe was coated with a cement lining. This process resulted in enhanced water flows and service quality. During this process, the Company would also replace valves, fire hydrants and water service lines.

In 2017, based on a number of asset management, engineering and financial considerations, the RENEW process shifted from cleaning and lining to actual replacement of the deteriorating water main. The focus continues to be on strengthening the entire water system infrastructure to help ensure greater reliability, safety and resiliency, system wide. The Company also replaces valves, hydrants, service lines and meters.

IDENTIFYING MAINS FOR THE RENEW PROGRAM

The Company determines which water mains are to be replaced in the towns its serves based on the pipeline's historical records. These records include the size and composition of the existing pipe, the date the pipe was installed and other relevant operational data. The Company then discusses its planned scope of work area with town officials to coordinate road openings, discuss project impacts and other facets of the RENEW Program. Typically, the Company rehabilitates four to ten miles of main under the RENEW Program every year.

Questions: 800-549-3802

THE IMPORTANCE OF PROACTIVE INFRASTRUCTURE REPLACEMENT

As a steward of water resources, upgrading our infrastructure on a planned schedule helps Middlesex Water to identify and repair leaks throughout its water distribution system and better preserve water resources. Proactively replacing aging infrastructure on a carefully planned and deliberate schedule reduces the likelihood of future disruptive and costly emergency repairs

RENEW PROGRAM FUNDING

Middlesex Water funds the project through low interest loans obtained from the NJ State Revolving Fund administered by the New Jersey Infrastructure Bank and the New Jersey Department of Environmental Protection.

METER PIT PROGRAM ADDED TO RENEW PROJECT SCOPE

Since 2017, as part of the RENEW Program, Middlesex Water has been methodically relocating interior residential water meters to exterior meter pit enclosures for customer convenience, safety and to comply with regulations. As meters approach their life expectancy, typically ten years, the Company places them on a meter replacement list. Exterior meter pit installation and the actual relocation of the interior meter to the pit is typically a two-phase process. During the first phase of the project, exterior meter pits will be installed at each customer's premise ahead of their scheduled meter testing. Then, during their scheduled meter testing, Middlesex Water will relocate each customer's interior meter, out of the home, to the company owned exterior meter pit.

For further information about RENEW, see our Frequently Asked Questions.

THE RENEW SERVICE AREA HAS INCLUDED CARTERET, EDISON, METUCHEN, SOUTH AMBOY, SOUTH PLAINFIELD AND WOODBRIDGE. The Company performs RENEW work in a different municipality each year to address aging infrastructure equally in different parts of its system and minimize inconvenience to residents and businesses.

For more information visit: WWW.WaterForTomorrowMWC.Com

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