

## RENEW

### BACKGROUND

Middlesex Water Company, 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 2016, based on a number of asset management, engineering and financial factors, 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.

### PRIORITIZING MAIN REPLACEMENT

The Company determines which water mains are to be replaced in the towns it serves based on asset management tools. 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.

The RENEW Program also helps the company to identify and repair leaks throughout its water distribution system to better preserve water resources.

**Questions: 800-549-3802**

## RENEW PROGRAM NOW ELIMINATES CUSTOMER-OWNED LEAD SERVICE LINES

NJ has passed legislation requiring water purveyors to remove all lead and galvanized steel service lines by 2031. To minimize impact to customers, Middlesex is conducting a Pilot Program to incorporate lead service line replacement into its existing RENEW Program. This approach would enable crews to perform the RENEW process as well as check for lead and conduct replacement of customer owned lead service lines in the RENEW Project area all at the same time without imposing on customers in two separate visits.

## METERS BEING RELOCATED FROM INSIDE HOMES

As the Company performs water main improvements, it is working to strategically and efficiently perform as many upgrades in one area at once. So in addition to replacing valves, hydrants and mains, it will also be replacing lead service lines it finds on both the customer owned and company portion of the service line and relocating customer water meters from inside to outside the home. 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.

We appreciate our customers' support and cooperation as we make these critical drinking water improvements. For further information about RENEW, see our Frequently Asked Questions. For more information about our Lead Service Line Replacement, visit <https://www.middlesexwater.com/customer-care/get-the-lead-out/>

**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](http://WWW.WaterForTomorrowMWC.Com)**

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