

CARLISLE/UNION REGIONAL SEWER EXTENSION

STATE PROGRAM: South Carolina Department of Health and Environmental Control

ASSISTANCE RECIPIENT: Town of Carlisle

ASSISTANCE AMOUNT: \$1M



PROJECT DESCRIPTION

For decades, the Town of Carlisle was dependent on a textile plant for their wastewater treatment. When the mill facility closed in 2020 and the associated wastewater treatment plant (WWTP) closed in 2023, the Town sought assistance from regional utilities, as well as multiple funding sources, to address its wastewater treatment needs. The City of Union, on behalf of Carlisle, sought the services of an engineering firm to evaluate alternatives for the treatment of the Town's wastewater. Ultimately, pumping Carlisle's wastewater to the City of Union WWTP, while a greater initial capital cost, was determined to be the most economical solution for the residents of the Town and the City of Union.

With the assistance of a coalition of partners including Union County, the City of Union, South Carolina Department of Commerce, South Carolina Rural Infrastructure Authority, and a \$1 million CWSRF loan, Carlisle's wastewater is now being pumped to the City of Union WWTP, regionalizing the systems. The City of Union and the Town of Carlisle have implemented the project to adapt to climate change by constructing two modern pump stations, upgrading an existing one, and installing 60,000 linear feet of force main, thereby reducing energy costs and increasing community climate resiliency. Regionalization of the systems will provide a reliable method of treatment for Carlisle's wastewater and eliminate the staffing and financial burdens of supporting sewer treatment facilities for the Town.

To read more about this case study, please visit <https://www.epa.gov/system/files/documents/2024-04/cwsrf-pisces-2023-recognition-program.pdf>.