

MORGANTOWN WASTEWATER TREATMENT FACILITY UPGRADE

STATE PROGRAM: West Virginia Department of Environmental Protection

ASSISTANCE RECIPIENT: Morgantown Utility Board

ASSISTANCE AMOUNT: \$25.5M



PROJECT DESCRIPTION

The City of Morgantown will upgrade their WWTP to address the overflow of untreated combined storm/sanitary wastewater during wet weather events. The facility will be upgraded from a 12 MGD rotating biological contactor to a 16 MGD membrane bioreactor within their existing activated sludge system to combat excessive biomass, air, and energy accumulation and increase total nitrogen removal. High efficiency LED units will replace the facility's current lighting system which is projected to save an estimated 2.1 million kilowatt hours annually. In addition to the \$25.5 million in CWSRF financing for this project, \$75.5 million was leveraged from the Morgantown Utility Board and municipal bonds, allowing the community to also address infiltration and inflow on their main interceptor. Morgantown is one of the fastest growing areas in the State of West Virginia and the community depends on the utility to maintain a high level of service for all customers. This project will achieve multiple benefits, improving water quality through reduced CSO discharges and increasing energy efficiency at the utility.

To read more about this case study, please visit https://www.epa.gov/sites/default/files/2019-11/documents/pisces_2019_compendium.pdf.