



The Water Infrastructure Finance and Innovation Act (WIFIA) program accelerates investment in our nation's water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects.

WATER RELIABILITY PLAN

BORROWER: Pittsburgh Water and Sewer Authority

LOCATION: Pittsburgh, Pennsylvania

WIFIA LOAN AMOUNT: \$52 million

TOTAL WIFIA PROJECT COSTS: \$166 million

POPULATION SERVED BY PROJECT: 320,000 people

NUMBER OF JOBS CREATED: 534 jobs



Photo credit: Pittsburgh Water and Sewer Authority

PROJECT DESCRIPTION

The Pittsburgh Water and Sewer Authority's Water Reliability Plan will improve the reliability and redundancy of the drinking water supply system, support compliance with regulatory requirements, and improve water quality. Currently, a clearwell constructed in 1908 serves as the Pittsburgh Water and Sewer Authority's only water storage facility, which puts its system at risk of a complete service failure. This WIFIA loan supports the modernization of their water transmission infrastructure to enable eventual replacement of the existing clearwell. The Bruecken Pump Station will be upgraded to replace the current pumping configuration so that the pumps can operate during both the short-term clearwell replacement period and afterwards. Rehabilitation of two water mains and Highland II Reservoir liner and cover will support disinfection and facilitate continued service during the replacement of the clearwell. Construction of the replacement clearwell and associated infrastructure will occur under a future WIFIA loan.

PROJECT BENEFITS

- Modernizes aging infrastructure to support long-term water reliability and compliance with regulatory requirements.
- Improves water quality and reduces risk of water supply contamination for the City of Pittsburgh and its surrounding communities.
- Saves the Pittsburgh Water and Sewer Authority approximately \$20 million by financing with a WIFIA loan.