

FIELD'S POINT RESILIENCY IMPROVEMENTS PROJECT

BORROWER: Narragansett Bay Commission

LOCATION: Providence, Rhode Island

WIFIA LOAN AMOUNT: \$55,499,228

TOTAL WIFIA PROJECT COSTS: \$113,263,732

POPULATION SERVED BY PROJECT: 360,000 people

NUMBER OF JOBS CREATED: 348



Photo credit: Narragansett Bay Commission

PROJECT DESCRIPTION

The Field's Point Wastewater Treatment Facilities Improvements Project will help the Narragansett Bay Commission modernize aging wastewater facilities and promote resiliency to the impacts of climate change and cybersecurity incidents. The Field's Point Wastewater Treatment Facilities are among the oldest in the country, with critical systems that have been in continuous operation between 40 and 100 years. Due to the infrastructure's continued use beyond its original design service life, many facilities need modernization to ensure their reliable operation. Additionally, extreme storm events are growing in frequency in the northeast, and potential cybersecurity attacks threaten reliable operation. To address these challenges, the project includes replacing the odor control system and implementing improvements to disinfection and de-chlorination systems and making upgrades to the Ernest Street Pump Station. The project also supports the installation of a solar carport at Field's Point, cybersecurity improvements to critical information technology infrastructure, installation of standby power capabilities to maintain uninterrupted operation of treatment processes, and construction of a new septage receiving station. By completing the project, Narragansett Bay Commission will help maintain compliance with state and federal regulatory requirements.

PROJECT BENEFITS

- Promotes resiliency to the impacts of climate change and helps maintain compliance with regulatory requirements.
- Enhances cybersecurity of critical information technology infrastructure.
- Saves the Narragansett Bay Commission approximately \$13.5 million by financing with a WIFIA loan.