

## COMBINED SEWER OVERFLOW PHASE III FACILITIES

**BORROWER:** Narragansett Bay Commission

**LOCATION:** Providence, RI

**WIFIA LOAN AMOUNTS:** \$268.7 million

**TOTAL WIFIA PROJECT COSTS:** \$548.4 million

**POPULATION SERVED BY PROJECT:** 360,000

**NUMBER OF JOBS CREATED:** 1,755 jobs



Bucklin Point Wastewater Treatment Facility

### PROJECT DESCRIPTION

The Combined Sewer Overflow Phase III Facilities project will construct infrastructure to contain combined sewer flows during wet weather events and then return the stored flows to the wastewater facility for treatment. During heavy storms, these combined flows frequently exceed the capacity of the sewer system and overflow into local rivers and Narragansett Bay. Combined sewer overflows carry pollutants such as sewage solids, metals, oil, grease and bacteria which impact the health of those who swim in polluted water or eat contaminated shellfish. The Phase III Facilities project includes construction of a long deep rock tunnel, two work shafts, four drop shafts, a tunnel pump station, and several improvements to the wastewater collection system. Approximately 60 billion gallons of combined water and wastewater that would have gone straight into Narragansett Bay will be treated at the Bucklin Point Wastewater Treatment Facility each year.

### PROJECT BENEFITS

- Protects water quality by reducing the amount of combined sewer overflow discharged into Narragansett Bay.
- Achieve an 80% reduction in shellfish bed enclosures.
- Contributes to compliance with the Combined Sewer Overflow Consent Agreement with the Rhode Island Department of Environmental Management.
- Saves Narragansett Bay Commission's ratepayers \$99.6 million by financing the project with a WIFIA loan.
- Re-execution of the WIFIA loan in 2020 saves Narragansett ratepayers an additional \$43 million.