

## WELLINGTON AVENUE COMBINED SEWAGE OVERFLOW TREATMENT FACILITY UPGRADES

**STATE PROGRAM:** Rhode Island Department of Environmental Management

**ASSISTANCE RECIPIENT:** City of Newport

**ASSISTANCE AMOUNT:** \$5.4M



### PROJECT DESCRIPTION

Since 1978, the Wellington Avenue Combined Sewage Overflow Treatment Facility (WACSOTF) in Newport, Rhode Island has reduced the number of Combined Sewer Overflows (CSOs) that would otherwise discharge into the Newport Harbor. WACSOTF is situated at a location that is vulnerable to flooding, and a National Oceanic and Atmospheric Administration tide gauge at the location has documented nearly a one-foot rise in sea level since 1930. Although elevated, the first floor of the WACSOTF is predicted to be a foot under water in a 100-year flood event. To mitigate these risks, the City of Newport received a \$5.4 million CWSRF loan with an interest rate of 2.16 percent from the Rhode Island Infrastructure Bank to upgrade and fortify WACSOTF. These upgrades added flood protection and station resiliency from threats of rising sea levels; increased the capacity of the sanitary pumps and force main to eliminate CSOs; added capacity and automation improvements to the chlorination system; performed a feasibility assessment for incorporating dechlorination as an interim measure; and made improvements to ancillary electrical, mechanical, and HVAC systems critical for increased reliability, worker safety, and energy efficiency.

To read more about this case study, please visit [https://www.epa.gov/sites/default/files/2021-01/documents/funding\\_resilient\\_infrastructure\\_and\\_communities\\_with\\_the\\_cwsrf.pdf](https://www.epa.gov/sites/default/files/2021-01/documents/funding_resilient_infrastructure_and_communities_with_the_cwsrf.pdf).