

## NEW ROCHELLE WWTP UPGRADES

**STATE PROGRAM:** New York Environmental Facilities Corporation

**ASSISTANCE RECIPIENT:** Westchester County

**ASSISTANCE AMOUNT:** \$280M



### PROJECT DESCRIPTION

Westchester County agreed to a Consent Order in 2004 that required it to upgrade the New Rochelle wastewater treatment plant to meet stringent new discharge limits on total nitrogen, chlorine residuals, and additional suspended solids in order to protect the Long Island Sound Estuary. At the same time, the County needed to expand the plant from 13 MGD to 20.6 MGD to handle peak flow surges during more frequent wet weather events. Accomplishing these upgrades was challenging because the facility is located on a peninsula with little land available for expansion. Therefore, the utility decided to install new innovative tertiary treatment biofilters (which requires less space) and eliminate the use of chlorine by switching to UV disinfection. The net result of this \$280 million CWSRF-financed project is a state-of-the-art treatment facility that has met the higher standards since becoming operational in 2015.

To read more about this case study, please visit [https://www.epa.gov/sites/default/files/2017-11/documents/pisces\\_compendium\\_final2.pdf](https://www.epa.gov/sites/default/files/2017-11/documents/pisces_compendium_final2.pdf).