

## TOWN OF NEWMARKET WASTEWATER TREATMENT FACILITY UPGRADE

**STATE PROGRAM:** New Hampshire Department of Environmental Services

**ASSISTANCE RECIPIENT:** Town of Newmarket

**ASSISTANCE AMOUNT:** \$14.1M



### PROJECT DESCRIPTION

The Town of Newmarket received \$14.1 million in CWSRF funds, with \$1.7 million provided in principal forgiveness, to upgrade their wastewater treatment plant. The upgrade included the conversion of a trickling filter process to a new 4-Stage Bardenpho process for nitrification and denitrification, putting Newmarket in a position to meet total nitrogen effluent limits and improve water quality in the Lamprey River and Great Bay watersheds. The upgrade also improved energy efficiency through the installation of hybrid aeration blowers and low-speed dewatering technology. Not only will Newmarket save money on their energy bill, but they also received monetary incentives through a partnership with their energy provider. Newmarket received significant cost savings by financing the project through both the CWSRF and U.S. Department of Agriculture (USDA) Rural Development. The Town's efforts to maximize performance and minimize energy consumption, combined with their active participation in collaborative watershed partnerships, shows an exemplary commitment to improving water quality in the Great Bay Estuary in order to protect this national treasure.

To read more about this case study, please visit [https://www.epa.gov/sites/default/files/2019-11/documents/pisces\\_2019\\_compendium.pdf](https://www.epa.gov/sites/default/files/2019-11/documents/pisces_2019_compendium.pdf).