

## Grand Conceptor Award: Woodard & Curran

Woodard & Curran received this year's top honor for its work with the Town of Oxford, Maine to design and build a new wastewater collection and treatment system. The Town hired Woodard & Curran as their Technical Design Engineering Consulting firm to help secure funding, perform permitting and design, and oversee construction of a state of the art treatment facility and sanitary sewer collection system. The facilities were built from the ground up to help promote economic activity and growth while serving to protect cherished environmental resources like the Little Androscoggin River. Previously failed systems had been linked to contamination of groundwater supplies and wells. The project improved the health, safety and welfare of the public as well as the surrounding environment. This project will meet the current and future needs of the Town of Oxford by providing a safe, efficient, and environmentally responsible way to manage the Town's wastewater. The system has the potential to help attract more economic growth to the region and with it, more jobs, which will help the rural town continue building its vibrant community.

# One-of-a-Kind Wastewater Treatment Plant Unlocks Economic Opportunity Oxford, Maine



### Key Project Features



#### First-of-Its-Kind Treatment Technology

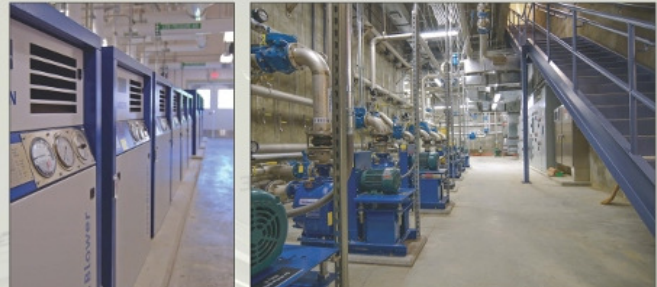
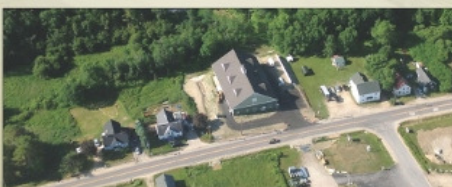
Due to limited land area, a variable user base, and advanced effluent limits to be met, a Membrane Bioreactor (MBR) treatment process was used for Oxford's facility. This is the first MBR treatment process employed at a municipal treatment facility in the history of the state of Maine.

#### Creative Project Funding

The Town funded the project entirely through USDA Rural Development funding, which included a 45% grant package, with the help of the design firm. The project will help the town accommodate existing development while also allowing for future growth and expansion.

#### Proactive Pre-Procurement Delivers Long-term Value

A pre-procurement process and evaluated bid were used to select the treatment system manufacturer for the Oxford WWTF to make sure the town received the best MBR system for the long term.



The Town of Oxford, Maine did not have centralized wastewater collection, treatment, and disposal facilities, which it needed to help build the community in the manner it envisioned. To meet its goals, the Town chose to design and construct a new wastewater treatment facility (WWTF) and a sanitary collection system to serve its users. The facility had to be built in a small, yet highly developed area of Town with less than ideal soil conditions. Through the use of state-of-the-art advanced treatment technology and ingenuity in both the pre-selection process and the design process, the design firm was able to deliver a long-term, cost-effective solution to meet Oxford's sanitary wastewater needs.

