

# NARRAGANSETT REGIONAL HIGH SCHOOL WIND TURBINE

Templeton, MA

The town of Templeton received a grant from the Massachusetts Technology Collaborative (MTC) to develop a 1.5-megawatt wind turbine project at the Narragansett Regional High School. The wind turbine project is a joint effort between the Templeton Municipal Light & Water Company and the Narragansett Regional School District – which together have formed the Green Energy Educational Collaborative – to capture multiple benefits, including renewable energy for consumers and educational activities for students as part of the district's curriculum. The project was completed in a phased approach: first year, a meteorological (MET) tower was installed that monitored winds onsite, second year, the base of the turbine tower was completed, and the third year, the wind turbine was installed.

## SERVICES

- Geotechnical investigation and standard penetration testing
- Structural engineering evaluation and review of geotechnical information
- Design of site improvements for access roadway and turbine service area
- Design loading calculations and plan preparation
- Structural design for foundation and turbine tower anchorage
- Coordination with wind turbine tower supplier

