



Energy Efficiency Case Study

Brought to you by National Grid

Town of Andover

About the Town of Andover

The town of Andover is located in Essex County in the northeastern part of Massachusetts, approximately 23 miles north of Boston. Andover is a suburban Massachusetts town with a thriving downtown retail/service district and a strong tradition of investment in education, library and community services, environmental conservation, and energy efficiency. With a population of 31,900, it has over 6,500 public school children and 24 town/school buildings totaling 1.4 million square feet. Andover has actively participated in energy efficiency improvement projects, including education and awareness, for over 10 years.

Project Summary

Dedicated to a renewed commitment to saving energy, the Town of Andover sought the assistance of the Sponsors of Mass Save. The Town took advantage of the Sponsor's energy efficiency programs and received utility incentives totaling over \$457,000 which allowed them to: install high efficiency lighting systems in the Town Offices, Memorial Hall Library, the Public Safety Center, the School Administration Buildings and eight School buildings; implement a "Dark Schools Program", a townwide plan to address building envelope heat loss; convert all school buildings to dual fuel boilers; participate in their Sponsoring utilities' Whole Building Assessment; and implement a schoolwide energy management system to control, monitor, and troubleshoot all HVAC equipment. Through Andover's energy efficiency efforts, the Town is saving \$750,000 a year. Besides being honored as a MassSaver in 2010, the Town also won the first ever Commonwealth of Massachusetts "Leading by Example Award" for its energy conservation and recycling program initiatives.

Mass Save as a Strategic Partner

The Sponsors of Mass Save offer technical assistance and financial incentives to customers who design energy efficiency into new construction or renovated commercial facilities. The Town of Andover worked closely with their local utility to develop a long-term plan to increase energy efficiency and with the help of its highly trained staff and the Sponsors of Mass Save, they've retrofitted lighting systems and controls, replaced motors and variable frequency drives and implemented the latest technologies which have a direct focus on saving energy and money.

Whether you are building a new manufacturing facility, upgrading old, inefficient equipment or manage a property in need of energy improvements, the Sponsors of Mass Save will help you identify cost-effective energy efficiency improvements, provide technical assistance, and offer financial incentives in addition to interest-free loans to help kick-start your company's next big project. To learn about these and other commercial and industrial energy efficiency programs available, visit MassSave.com/Business.



Solution

Energy efficiency improvements included lighting systems, motors and variable frequency drives, HVAC systems and new construction and retrofit projects to help boost their efforts town-wide.

Total Project Cost

\$1,323,031

Mass Save Sponsor Incentives

\$472,830

Total Rebates and Grants

\$900,500

Estimated Annual Energy Savings

1.6 million kWh

Annual Cost Savings

\$750,000

Simple Payback Period

2.7 years

About Mass Save:

Together, we make good happen for Massachusetts: Berkshire Gas, Cape Light Compact, Eversource, Liberty Utilities, National Grid and Unitil. As one, we form Mass Save®, with the common goal of helping residents and businesses across Massachusetts save money and energy, leading our state to a clean and energy efficient future.

WE ARE MASS SAVE®:

