

Mass Save[®] Energy Efficiency Case Study

Town of Andover

PROJECT SUMMARY

Dedicated to a renewed commitment to saving energy after Hurricane Katrina caused spikes in utility and fuel prices, the Town of Andover sought the assistance of Mass Save. The Town took advantage of Mass Save'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, operate a Town-wide program 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 Town/School wide 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.

"Andover is very grateful for the assistance we received from Mass Save. In this economy, the Town is always looking for ways to save money. The incentives from the utilities have allowed us to make energy improvements to our buildings that have resulted in significant energy savings for the Town."

- **Maria Maggio,**

*Town of Andover
Acting Director of Plant & Facilities*

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 Incentive \$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 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, 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.

Mass Save as a Strategic Partner

The Mass Save program offers 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 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 Mass Save program 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 or join the **Mass Save group on LinkedIn**.

About Mass Save

Mass Save is an initiative sponsored by Massachusetts' gas and electric utilities and energy efficiency service provider, including Berkshire Gas, Cape Light Compact, Columbia Gas of Massachusetts, National Grid, New England Gas Company, NSTAR, Unitil, and Western Massachusetts Electric Company. The Sponsors of Mass Save work closely with the Massachusetts Department of Energy Resources to provide a wide range of services, incentives, trainings, and information promoting energy efficiency that help residents and businesses manage energy use and related costs.

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