



Energy Efficiency Case Study

Brought you by Columbia Gas and National Grid

Linda Manor

Northampton, MA

Linda Manor Extended Care is a member of Berkshire Healthcare Systems, a leader among not-for-profit, post-acute care organizations in Massachusetts. Berkshire Healthcare is a not-for-profit, consumer-centered organization committed to fulfilling the health and residential needs of the population in the communities it serves.

Project Summary

Starting in 2012, Linda Manor began taking a closer look at how they were using energy. They engaged in a technical assessment that identified energy savings opportunities which ultimately included heating equipment upgrades and ozone technology for their laundry operations. Columbia Gas of Massachusetts not only shared in the cost of the assessment, but also contributed 50% toward the energy upgrades for the project totaling over \$29,500. These energy efficient upgrades are expected to save close to 9,800 therms per year which equates to approximately \$14,600 annually.

The installation of ozone laundry allowed Linda Manor to save natural gas by lowering hot water use and reduced linen drying time. The ozone system has also provided substantial water savings and extended linen use.

The installation of new high-efficiency heating equipment was the last piece to upgrading all of the major energy use appliances. With the installation of the new heating boilers the operational costs have been reduced and reliability has been increased.

Linda Manor also engaged in electric improvements. They installed two new unitary AC units with 7.5 and 5.0 ton capacities, plus controls. The total project cost for the two units was \$15,500 and National Grid contributed \$1,725. As a result of the new units, Linda Manor is projected to reduce its energy consumption by approximately 5,100 kWh/year which equates to a \$602/year savings in their energy costs.

Mass Save as a Strategic Partner

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.

Need

Improve the efficiency of laundry operations, upgrade water heating and space heating equipment, upgrade AC units and controls

Solution

Installation of ozone laundry, new high efficiency heating equipment

Project Costs

\$110,568

Mass Save Sponsor Incentives

\$31,325

Estimated Annual Savings

\$15,200

Customer Payback

Less than 5 years

Customer Payback

Less than 5 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.

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