



Energy Efficiency Case Study

Brought to you by Berkshire Gas

ALADCO Linen Services

Adams, MA

ALADCO Linen Services of Adams, MA provides star quality linen services such as table and kitchen linens, bed linens, uniforms, entrance mats, and dust control to restaurants, hotels, motels, hospitals, medical service providers, schools and colleges throughout New England, New York and the Route 91 corridor. ALADCO is committed to their position as a leader in the “green” movement in the linen rental industry and is the first hospitality linen rental facility in the nation to commit to driving operations in a green manner.

Project Summary

The move toward becoming green involved gutting and retrofitting a nineteenth century building and investing in a new Pulse-Flow continuous batch washing system that replaced eight regular industrial washer/extractors. ALADCO currently processes 600,000 lbs. in linen products per month. The old process used about 2.5 gallons of water per pound. Today, the new process uses .4 gallons of water per pound, saving 1,250,000 gallons of water each month. In addition to the reduction in water usage, the effect is compounded by a significant reduction in natural gas and electricity required to heat 84 percent less water than the old system. ALADCO also invested in a lint-free microfiber wiping towel, microfiber mop system and the Environap, an environmentally friendly, smaller napkin that is designed as a cost effective alternative to paper napkins. Overall, the cloth approach heightens the dining experience and removes an entire stream of trash from the table to the landfill.

Mass Save as Strategic Partner

Berkshire Gas’ Energy Efficiency Department worked with ALADCO every step of the way. After participating in Berkshire’s Commercial & Industrial Energy Audit Program, ALADCO developed a long-term plan to increase its energy efficiency. Working closely with ALADCO, Berkshire Gas committed \$50,000 in energy-saving incentives to this project. Michael Sommer, Manager of Energy Services at Berkshire commented: “This is the type of energy efficiency project we are excited to be part of. The projected savings for this project of over 81,000 therms and nearly 1.7 million therms over the life of the equipment, are impressive, to say the least. To put this into perspective, the annual savings from this one project equates to the amount of natural gas needed to heat approximately 70 homes per year.” In addition, the installation required very specialized rigging and plumbing services; ALADCO was able to keep that work local by employing Atlantis Equipment Corporation and Adams Plumbing and Heating.

To learn about these and other commercial and industrial energy efficiency programs available, visit MassSave.com/Business.



Need

Renovation of a 19th century building and equipment upgrade

Solution

Comprehensive design analysis and energy-efficient retrofit of building systems

Total Project Cost

\$600,000

Mass Save Sponsor Incentives

\$50,000

Cost to ALADCO

\$550,000

Estimated Payback

3.5 years

Estimated Annual Electric Cost Savings

171,171 kWh per year

Estimated Natural Gas Cost Savings

81,732 therms per year

Estimated Water Savings

14,280,000 gallons
(2.10 gal. per pound of linen)

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®:

