



Energy Efficiency Case Study

Brought to you by National Grid

Cedar's Mediterranean Foods, Inc.

About Cedar's Mediterranean Foods, Inc.

Cedar's Mediterranean Foods, Inc. of Ward Hill, MA, was established in 1981 and has been a leader in the Mediterranean food industry for over 25 years. Its authenticity and expertise has allowed the company to nationally expand and flourish.

Project Summary

Cedar's Mediterranean Foods, Inc. which produces hummus in its Haverhill, MA facility consists of multiple production floors, packaging lines, warehouse space with loading docks, and a small amount of office space. In 2009 with the help of the Sponsors of Mass Save®, they completed a retrofit custom electric project which included installing a variable speed homogenizer and a positive displacement booster pump. Energy savings resulted from the homogenizer requiring less power than the existing blending motor and reduced pumping power. The following year they took on another electric custom project with the help of the Sponsors of Mass Save which tackled a bottleneck of its processes and energy usage issues. This project reconfigured its pasteurizing line so that 100% of its product can be pasteurized without going to a 24/7 production schedule. This was accomplished by increased product flow and minimizing cleaning time. Doing so eliminated the need for certain motors, decreased motor loads, and reduced cleaning time. The 2009 project has estimated annual gross savings of 203,971 kWh and estimated annual cost savings of \$23,270. The 2010 project has estimated annual gross savings of 966,113 kWh and estimated annual cost savings of \$101,730.

“The Mass Save program has changed the way we approach any changes in our facility. Besides the generous incentives, we also get the opportunity to work side by side with their very knowledgeable staff who work with us on designing a system that saves energy and also meets the required goals that are necessary for our company.”

Nick Scangas
General Manager Cedar's Mediterranean Foods, Inc.

Mass Save as a Strategic Partner

Upon the establishment of Cedar's newly built 100,000 square-foot manufacturing facility, Cedar's expanded from the grocery stores of New England to grocery stores throughout the United States. With the help of its highly trained staff and the Sponsors of Mass Save, they've implemented the latest technologies and taken a direct focus on sustainability, establishing a green initiative. 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 two retrofit custom electric projects. The first in 2009 included installing a variable speed homogenizer and a positive displacement booster pump. The second project in 2010 helped them reconfigure the pasteurizing line eliminating the need for certain motors, decreased motor loads and reducing cleaning time.

Total Project Cost

\$1,125,170

Mass Save Sponsor Incentives

\$372,665

Annual Energy Savings

1,170,084 kWh

Annual Cost Savings

\$125,000

Simple Payback Period

3.8 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®:

