

Mass Save® Energy Efficiency Case Study

Cedar's Mediterranean Foods, Inc.

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 Mass Save® programs, 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 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 these days. Besides the generous incentives provided by our local utility we also get the opportunity to work side by side with their very knowledgeable staff who work very closely with us on designing a system that not only saves energy but also meets the required goals that are necessary for our company. Every project has been successful through this program! The Mass Save Program has changed the way we approach everything we do!"

- **Nick Scangas,**

*General Manager
Cedar's Mediterranean Foods, Inc.*

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 Incentive \$372,665
- Annual Energy Savings 1,170,084 kWh
- Annual Cost Savings \$125,000
- Simple Payback Period 3.8 years



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.

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 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 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.

Brought to you by:

