



Cape Light Compact - Energy Efficiency Programs in Action

CASE STUDY: FRIENDS MARKET, Orleans, MA

Cape Light Compact knows that small business is the economic backbone of Cape Cod and Martha's Vineyard. That's why we offer a popular *Small Business Enhanced Incentives Program* with a free audit to identify energy saving opportunities and provide rebates of up to 80% for efficiency upgrades.

"I have been very happy with the Cape Light Compact Program and how it has worked for us as a business. The savings that NRM's refrigeration control products have provided us matched what they estimated and has allowed us to make other investments in our business. It's great to do our part in 'being green' and saving energy for our community."

Jim Junkins, Owner
Friend's Market, Orleans MA

"We are excited to have been working with Cape Light Compact for the last 6 years. They make it easy and seamless for business and residents to implement energy conservation projects. It's a win-win for electric users and the environment as we help to reduce the carbon footprint of businesses throughout the Cape and the Islands."

Jim Staley, COO
National Resource Management (NRM)

PROJECT TEAM

Jim Junkins: Owner, *Friends Market*

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John Burns: Commercial & Industrial Energy Efficiency Program Planner, *Cape Light Compact*

PROJECT DESCRIPTION

Jim Junkins, owner of Friends Market, took advantage of Cape Light Compact's *Small Business Enhanced Incentives Program* in March 2006 to upgrade his store's refrigeration efficiency with NRM's Cooltrol® Cooler Control System

ENERGY EFFICIENCY FEATURES

- Innovative digital controls monitor and stabilize the temperature of Jim's walk-in coolers and freezers and resulted in a 35% drop in evaporator fan operation.
- A fresh air economizer optimizes compressor and fan operation by almost 65% during the winter months by pumping colder outside air into Jim's coolers.

- Door and frame heaters automatically calculate the store's dew point and apply just enough heat to glass doors to prevent sweating. This upgrade produced a 45% drop in electricity usage for the freezer doors and 80% for the cooler doors.
- Jim is participating in a CLC pilot program to install a new LED lighting system in his refrigerated displays. LEDs stand for light emitting diodes and are a solid state technology that can reduce wattage by up to 85% (depending on existing lighting), generate less heat, and offer more uniform brightness than fluorescents. In conjunction with the Cooltrol Cooler Control System, the LED upgrade will reduce his electric consumption by an additional 3%.

OVERALL RESULTS

- Saved \$14,700 annually after energy efficient upgrades
- Achieved a 12% drop in electric usage
- Recouped initial investment in 4 months
- The LED upgrade will increase Jim's overall annual savings to \$19,000 and produce a 15% total reduction in energy usage