



Energy Efficiency Case Study

Brought to you by Eversource

Sudbury Pines Extended Care, Sudbury, MA

Background:

For more than 40 years Sudbury Pines Extended Care has grown to accommodate the individual needs and preferences of its residents, guests and families. Today this family-owned small business operates around the clock and offers short- and long-term rehab, hospice, respite and behavioral care as well as a memory impairment unit. When it was time to update the building, the team set out to address energy costs and reduce its impact on the environment.

The Challenge:

The owners wanted to enhance comfort, incorporate the latest advances in technology and increase the building's year-round efficiency - without disrupting the daily activities.

The Eversource Solution:

Working with Eversource, Sudbury Pines Extended Care took a comprehensive approach and tapped into technical and financial expertise and assistance to ensure their investment in energy efficiency updates would deliver optimal savings and reduce its environmental impact. The project included:

- Comprehensive lighting upgrade including ceiling sensors and photocells that cover 80% of the building and greatly reduce maintenance and labor costs and exterior lighting
- Installation of low-flow faucets and aerators
- Refrigeration upgrades
- Wi-Fi thermostats, which in addition to providing energy savings and convenience, allows Sudbury Pines to participate in Eversource ConnectedSolutions, a demand response program that offers participants incentives for allowing Eversource to adjust their WiFi thermostats during peak energy periods to help cut carbon emissions.

Sudbury Pines Extended Care plans to invest its energy savings into additional energy efficiency projects, including insulation, heat recovery ventilation systems, and new heating and cooling systems. The organization is considering rooftop solar and has been accepted into Eversource's SMART program, which is expected to cover more than 60 percent of the building's current energy demand.

Annual Energy Savings:
252,815 kWh

Annual Cost Savings:
\$18,000

The energy savings of this project over the lifespan of the installed improvements is equivalent to:

- **197 tons** of carbon dioxide emissions avoided
- **38 cars taken off the road** for a year

"Working with Eversource and our partners and tapping their expertise, along with cash flow and finances, were the key factors we considered when driving these projects forward," said Sudbury Pines Extended Care Business Operation Manager Kevin Osborne. "The untold story is that an equal amount of vision with leadership, incentive research, design consideration, and implementation is required to bring it to fruition. Sustainability does work - for us, it's about better patient outcomes, quality facility conditions, and mitigating our environmental impact."

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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