

Energy Efficiency Profile

Saint Elizabeth Home, East Greenwich, R.I.



Saint Elizabeth Community, a National Grid electricity and natural gas customer, is a nonprofit charitable organization that provides a full spectrum of quality care to older and physically disabled adults.

Saint Elizabeth Community has 10 Rhode Island locations offering apartments for independent seniors, adult day services, affordable assisted living, skilled nursing and rehab care. RISE Engineering has provided energy improvements for several of these properties, including Saint Elizabeth Home, a 120-bed skilled nursing and rehab center.

In its capacity as a National Grid Project Expeditor, RISE Engineering conducted a free assessment of Saint Elizabeth Home's exterior lighting and mechanical systems to identify recommended energy-efficiency measures, which included upgrading the lighting fixtures and installing variable frequency drives (VFDs) and controls, kitchen ventilation system controls, and vending machine controls. These measures resulted in a projected \$35,000 in annual energy savings.

THE NEED

Reduce the energy costs and improve the energy efficiency of Saint Elizabeth Home while enhancing the facility's exterior lighting quality and the performance of its mechanical systems.

THE SOLUTION

Lighting Retrofits

- 29 gooseneck LED lighting fixtures for driveways
- 11 shoebox LED lighting fixtures for parking lots
- 14 wallpack LED lighting fixtures on building exterior
- 20 recessed LED cans for building porticos
- 2 LED floodlights for gate entrance

Variable Frequency Drives and Controls

- 2 VFDs for hot-water circulation pumps
- 2 VFDs for chilled-water circulation pumps
- Kitchen ventilation system controls with 2 VFDs
- Vending machine smart controls

About RISE Engineering:

A pioneer in the delivery of turnkey energy-efficiency services, RISE Engineering works with utilities and other energy program sponsors to offer residential, commercial, industrial, institutional and public-sector energy users comprehensive efficiency services that reduce their environmental footprint and operating expenses.



"Saint Elizabeth Community has looked to RISE Engineering to assist us in reducing our operating costs by enacting projects that reduce our energy usage. At Saint Elizabeth Home, one measure of the success of these projects is that our electrical usage for the first quarter of this year was significantly less than any of the previous four years. We look forward to participating in more RISE projects."

Tom Radican
Facilities Engineer
Saint Elizabeth Community

OVERALL RESULTS

Total Project Cost	\$95,773
National Grid Incentives	-\$22,259
Customer Cost	\$73,214
Annual kWh Saved	220,962
Annual Therms Saved	1,741
Annual Energy \$ Saved	\$35,233
Annual Maintenance \$ Saved	\$1,015
Simple Payback	~2 years

*To schedule your free energy assessment,
call us at (800) 422-5365
or email efficiency@RISEengineering.com.*

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