

The Armington Household

Jamestown, Rhode Island



Carolyn Armington is an octogenarian homeowner who has resided in Jamestown, Rhode Island, since 2004 in a two-story, 2,200-square foot contemporary house. The primary heating fuel is oil with supplemental electric heat. The home was built in 1985 in a quiet cul-de-sac adjacent to historic farmland with a water view of Narragansett Bay.

Besides wanting to save money and make her home more comfortable, Mrs. Armington is interested in environmental issues and wants to play her part with regard to energy efficiency.

In 2010, RISE Engineering, in its capacity as National Grid's EnergyWise Home Energy Services Program lead vendor, conducted a free comprehensive energy assessment of this property, provided instant savings measures (ISMs) and presented a recommended action plan. The ISMs included replacing existing incandescent light bulbs with compact fluorescent light bulbs (CFLs) and supplying a refrigerator brush to help keep the condenser coils clean and maximize the unit's energy efficiency.

In 2015, RISE subsequently conducted a second home energy assessment and supplied additional ISMs, including efficient LED bulbs, smart power strips and a new refrigerator coil cleaning brush. Mrs. Armington chose to proceed with several recommended actions, including installation of carbon monoxide detectors, replacement of the old furnace and a faulty heat pump, and weatherization measures including air leakage sealing, duct sealing, and duct and basement ceiling insulation.

The ISMs and weatherization upgrades coordinated by RISE through the EnergyWise program following the 2015 assessment created over \$1,100 in projected annual energy savings. Mrs. Armington is pleased with the savings and improved conditions, especially the warmth of the insulated floors, and has contacted RISE yet again regarding additional upgrades.

THE NEED

Reduce energy costs and improve efficiency and occupant comfort.

THE SOLUTION

- 8 compact fluorescent light bulbs (2010)
- Refrigerator coil cleaning brush (2010, 2015)
- 17 LED light bulbs (2015)
- 2 smart power strips (2015)
- Weatherization measures (2015)
 - Air leakage sealing
 - Duct sealing and insulation
 - Basement ceiling insulation

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.



"I paid my bill on RISE's website with my LL Bean credit card and earned enough points to get a free down comforter...my insulation warmed me twice!"

Carolyn Armington
Homeowner
Jamestown, R.I.

PROJECTED RESULTS (2015)

Total project cost w/ISMs.....	\$3,243
National Grid incentives w/ISMs.....	-\$1,020
Customer cost	\$2,223
kWh saved annually	1,400
Gallons of oil saved annually.....	235
Energy \$ saved annually	\$1,146

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

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