“The Energize program has been great. I believe it's really gathering steam and is the way to go. I am a big advocate of the program.”

Kenneth & Lee Roberts - Katonah, NY
Year & Style: 1901 Colonial
Square Feet: 3,968
Bedrooms/Baths: 4 BR, 3 BA
Heat Source: Oil Furnace

Home Performance Contractor
Malcarne Contracting

Fuel Oil Savings: 18%

Get your free* home energy assessment today!
Visit us at: www.EnergizeNY.org or call (914) 302-7300
Energize New York Case Study

Ken & Lee Roberts knew it would be a smart decision to make their home more energy efficient and suspected that better insulation might help. Ms. Roberts, who has been the Town of Bedford’s elected Supervisor since 2003, was no stranger to the benefits of energy efficiency. Her leadership was essential in the formation of Bedford’s Energy Advisory Panel (BEAP), a committee of local citizen volunteers that helped draft the town’s Climate Action Plan (CAP). She also was instrumental in the town’s adoption of Bedford’s 20% reduction in greenhouse gas emissions by 2020. The Roberts knew the most effective method for identifying energy efficiency improvements for their circa 1900 colonial was to have a certified Home Performance with ENERGY STAR contractor evaluate the house with a comprehensive home energy assessment. The results of their assessment confirmed the need for better insulation and air sealing in a number of locations. After choosing to insulate and air seal from top to bottom, the Roberts’ home in Katonah is now more comfortable, is saving money on their fuel oil bills and is contributing to the community’s energy reduction goals too.

**Homeowner Concerns:**
- Inadequate insulation throughout home
- Losing heat through the attic
- Chilly rooms in the winter

**Problems Uncovered:**
- Lack of insulation around rim joists
- Basement walls uninsulated
- Heat escaping through kitchen ceiling
- High rate of air exchanges throughout home

**Improvements Completed:**
- Air sealed house to reduce overall air leakage of heated area from 4860 CFM50 to 4160 CFM50
- Insulated rim joists with R-15* high density spray foam insulation
- Insulated part of 2nd floor ceiling with R-25 cellulose insulation
- Insulated exterior walls with R-12 cellulose insulation
- Insulated ceiling above kitchen with R-32 cellulose insulation
- Insulated conditioned basement walls with R-11 XPS insulation

*The R-value is a measure of thermal resistance. The higher the value, the less heat conducted through the insulation.

**The Roberts Residence:**
- Year & Style: 1901 Colonial
- Square Feet: 3,968
- Bedrooms/Baths: 4 BR, 3 BA
- Heat Source: Oil Furnace

**Resulting Benefits:**
- Tighter, more snug home
- Warmer rooms in the winter
- Huge heat loss reduction through the attic

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