

Energize New York Case Study

“The contractors that worked on our home were knowledgeable, well-informed and helpful. The work was done in a timely fashion and was of the highest quality.”



David Goldfarb & Lisa Saiman - Hastings-on-Hudson, NY

Year & Style: 1964 Split-level

Square Feet: 2,509

Bedrooms/Baths: 4 BR, 2.5 BA

Heat Source: Natural Gas Boiler

Home Performance Contractors

BK Solutions

New York Energy Conservation

Phoenix Mechanical

Natural Gas Savings: 45%

Electricity Savings: 30%

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

Energize New York Case Study

David Goldfarb and Lisa Saiman initially considered energy efficiency upgrades as a way to reduce energy waste and lower their home energy costs. They used Energize New York staff and tools to help them with the state's Home Performance with ENERGY STAR program. Their comprehensive home energy assessment identified key areas for improvement such as an old inefficient boiler, sub-standard insulation and insufficient air sealing. After deciding on a high efficiency boiler, air sealing the home's perimeter, and insulating the attic and exterior wall, David and Lisa now enjoy significant natural gas & electricity savings and a more comfortable home too.

Homeowner Concerns:

- Cost of completing home energy upgrades
- Efficiency of older boiler
- Effectiveness of current insulation
- Performance of upstairs bedroom windows

Problems Uncovered:

- Old boiler in need of replacement
- Inadequate insulation in garage
- Insulation needed in attic ceiling
- High air flow throughout home

Improvements Completed:

- Upgraded to 95% high-efficiency 183,000 Btu/hr natural gas boiler
- Air sealed house to reduce air leakage from 4537 CFM50 to 3010 CFM50 (CFM50 = cubic feet per minute at negative 50 pascals)
- Insulated exterior walls with R-12* cellulose insulation
- Insulated attic ceiling with R-32 cellulose insulation
- Insulated garage ceiling with R-24 cellulose insulation
- Replaced 10 existing incandescent light bulbs with 10 new 15-watt fluorescent bulbs

The Goldfarb/Saiman Residence:

Year & Style: 1964 Split-level
Square Feet: 2,509
Bedrooms/Baths: 4 BR, 2.5 BA
Heat Source: Natural Gas Boiler

Resulting Benefits:

- ✓ Significant natural gas bill reduction
- ✓ Savings on electricity bills
- ✓ Increased home comfort

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

Home Performance with ENERGY STAR Contractors Used to Perform Upgrades:



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