

The Kaminer Family's Green Home

INSULATION, AIR SEALING, AND HIGH EFFICIENCY BOILER



“My investments in energy improvements including insulation and air sealing, and installing a high efficiency boiler resulted in dramatically reducing my oil and electric bills.”

-Brian Kaminer, Armonk

YEAR: 1976

BEDROOMS/BATHS: 4 BR/4.5 BA

STYLE: COLONIAL

HEAT SOURCE: OIL BOILER

SQUARE FEET: 5,000

CONTRACTOR: PETER K HOME IMPROVEMENT
GREEN STAR ENERGY SOLUTIONS

ENERGY SAVINGS: 47%

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Brian Kaminer knew there was strong investment potential in home energy improvements. This, along with his interest in sustainability & environmental issues, made it an easy decision to complete a home energy assessment through the Home Performance with Energy Star program.

He saw a lucrative opportunity when his home assessment showed the amount of air leaking out of his house was equal to having a 5' by 5' hole in one of his exterior walls.

Mr. Kaminer has nearly cut his bills in half since choosing and implementing the energy upgrades. He is happy to have created an annuity of savings from the home improvements that continues to increase the return on investment for every year of savings, as well as a more comfortable home.

HOMEOWNER CONCERNS

- Air leaking out of the house
- Drafts throughout the home
- High oil & electricity consumption

PROBLEMS UNCOVERED

- Energy loss from home air exchanges
- Inefficient oil boiler
- Outdated refrigerator and clothes washer

IMPROVEMENTS COMPLETED

- Insulated attic ceiling with R-43* cellulose insulation
- Air sealed to reduce overall air leakage of heated area from 6800 CFM50 to 5850 CFM50
- Installed new oil #2 170,000 Btu/hr boiler with 87.0% efficiency
- Installed three programmable heating/ cooling thermostats
- Replaced 9 existing incandescent light bulbs with 9 new 13-watt fluorescent bulbs
- Replaced old refrigerator with new 20 CF, max efficiency unit
- Replaced old clothes washer with new EnergyStar unit

BENEFITS & IMPACT

- Annual savings of \$6,000 on heating & electric bills
- An improvement in comfort and health
- Reduced exposure to energy price increases

ENERGY SAVINGS: 47%