

Energize New York Case Study

“My only thought is to encourage others who want to either save money or leave less of a footprint to have an inspection of their home.”



Steve Dickson and Joan Ruddy- Somers, NY

Year & Style: 1994 Colonial

Square Feet: 3,000

Bedrooms/Baths: 3 BR, 2.5 BA

Heat Source: Boiler

Home Performance Contractor

Healthy Home Energy & Consulting, Inc.

Oil Savings: 22%

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

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Steve Dickson was going through the Somers Record one day when an ad for the Energize NY Program caught his eye. This inspired Steve and his wife Joan to apply for an assessment of their 1994 Colonial style home in Somers. After they completed their assessment work with Healthy Home Energy & Consulting, Steve and Joan learned many things about the efficiency of their house. The insulation on their basement ceiling, which was recommended when they originally moved in, was actually acting as a barrier to the heat and air flow throughout their living space. As for Steve and Joan's motivation, Joan said it best when she explained, "My biggest thought was just efficiency. I don't want to waste energy, I don't want to harm our environment or our planet, if we can do our part and make a smaller footprint I'm happy to do it." And with ___% savings after their home energy upgrade, Steve and Joan can proudly say they've taken the right steps for their family towards a more efficient lifestyle.

Homeowner Concerns:

- Lower high energy bills
- Drafty master bathroom
- Cold spots on kitchen floor
- Looking to make home more energy efficient

Problems Uncovered:

- Excessive air leakage (through 1st and 2nd floor ceiling fenestrations, outlets, baseboard perimeter, basement door and attic hatch)
- Improper thermal/pressure boundary in attic, basement ceiling, basement perimeter

Improvements Completed:

- Removed existing insulation
- Air sealed entire attic
- Insulated attic with loose fill cellulose to R-value not less than 38
- Open cell foam insulation to underside of roof deck
- Cell foam insulation to basement perimeter
- Dense pak cellulose at garage ceiling
- Closed cell foam to basement perimeter
- Air seal entire perimeter of thermal envelope
- Commercial grade weatherstripping to basement door
- Elastomeric self-sealing pipe insulation to all exposed hot water pipes in basement

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

The Dickson-Ruddy Residence:

Square Feet: 3,064

Year & Style: 1948 Cape

Bedrooms/Baths: 3 BR, 2.5 BA

Heat Source: Natural Gas/Forced Air

Resulting Benefits:

- ✓ No more cold spots
- ✓ Master bathroom is warmer
- ✓ 22% savings in oil usage



Home Performance with ENERGY STAR Contractor Used to Perform Upgrades:



Healthy Home
Energy & Consulting, Inc.



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