

# Energize New York Case Study

“Having Energize resources such as an Energy Coach made us feel confident that we were making the right decision and using the best contractor. Our master bathroom is much warmer and less drafty in the winter and the temperature is much more consistent across our house.”



**David Matsil - Mount Kisco, NY**

Year & Style: 1997 Colonial

Square Feet: 3,300

Bedrooms/Baths: 4 BR, 3 BA

Heat Source: Natural Gas Boiler

**Home Performance Contractor**

BrightHome Energy Solutions

**Natural Gas Savings: 22%**

**Electricity Savings: 42%**

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

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David Matsil did not expect significant savings when he signed up for a free comprehensive home energy assessment for his recently built (1997) Mount Kisco colonial. So, when BrightHome Energy Solutions reported that he could expect substantial savings with additional insulation, targeted air sealing and new digital thermostats, David was pleasantly surprised. After completing his energy efficiency upgrades, David now benefits from a more comfortable home that uses significantly less energy. Better still, the 10% New York State rebate and low interest (3.49%) financing means he saves double the monthly carrying costs for his energy efficiency investment.

## **Homeowner Concerns:**

- Drafty rooms
- Uneven temperatures throughout the house
- High energy costs

## **Problems Uncovered:**

- Excessive air flow and leakage throughout the home
- Insufficient attic insulation
- Substandard attic ducts
- Inefficient analog thermostats

## **Improvements Completed:**

- Air sealed house to reduce air leakage from 2700 CFM50 to 2350 CFM50 (13%)
- Insulated attic ceiling with R-53\* cellulose insulation
- Insulated attic duct system to R-8 and air sealed to CFM25
- Replaced all flex duct in attic with R-8 insulated duct
- Installed two programmable digital thermostats
- Replaced existing broken gable vent
- Properly vented bathroom exhausts as per health and safety standards

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

## **The Matsil Residence:**

Year & Style: 1997 Colonial  
Square Feet: 3,300  
Bedrooms/Baths: 4 BR, 3 BA  
Heat Source: Natural Gas Boiler

## **Resulting Benefits:**

- ✓ Reduced drafts and uneven temperatures
- ✓ Created a more comfortable living space
- ✓ Lowered energy costs
- ✓ Reduced energy waste

## **Home Performance with ENERGY STAR Contractor Used to Perform Upgrades:**



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