

Energize New York Case Study

“We were very pleased with the quality of the work performed and with the expertise of BrightHome.”



Matthew Tynan - Bedford, NY

Year & Style: 2011 Colonial

Square Feet: 4,500

Bedrooms/Baths: 4 BR, 4 BA

Heat Source: Oil Boiler

Home Performance Contractor

BrightHome Energy Solutions

Fuel Oil Savings: 15%

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

Energize New York Case Study

Matthew Tynan first considered energy efficiency work on his 2011 colonial after learning about the Home Performance with ENERGY STAR program through Energize New York's local partner, the Bedford 2020 coalition. He selected BrightHome Energy Solutions to perform a comprehensive energy assessment on his home. The report recommended basement insulation and targeted air sealing to reduce energy waste and air leakage. After choosing to implement the recommended measures, Mr. Tynan now has a more comfortable home that saves money and reduces carbon emissions too.

Homeowner Concerns:

- Inadequate insulation
- High energy costs
- Reducing wasted energy

Problems Uncovered:

- Lack of insulation between top sill of basement wall and first floor
- High air flow caused by inadequate air sealing

Improvements Completed:

- Air sealed house to reduce air leakage from 5360 CFM50 to 4452 CFM50 (17%)
- Insulated rim joist with 2" of R-15* closed cell spray foam insulation
- Insulated ceiling with R-51 cellulose insulation
- Installed attic tent over existing pull-down stairs to air seal and insulate access

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

The Tynan Residence:

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Square Feet: 4,500
Bedrooms/Baths: 4 BR, 4 BA
Heat Source: Oil Boiler

Resulting Benefits:

- ✓ Reduced energy costs
- ✓ Improved home comfort
- ✓ Reduced energy waste

Home Performance with ENERGY STAR Contractor Used to Perform Upgrades:



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