

# ENERGY AUDITS

Building Energy helps homeowners reduce their energy bills, improve comfort, and lower their carbon footprint through conservation, energy efficiency, and renewable energy. *The first step is a home energy audit.*

## The Process

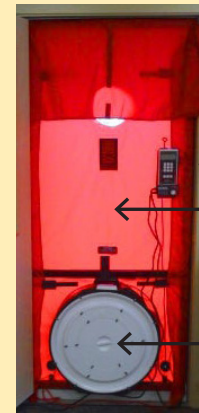
An energy audit consists of a 2-4 hour on-site assessment of your home that includes but is not limited to...



### Walkthrough

We perform a walkthrough of your home with you to learn about high priority issues (e.g., drafts, moisture).

### Blower Door Testing



Air Pressure Gauge

Temporary Door Cover

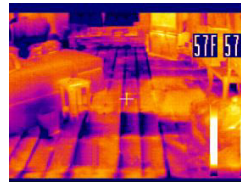
Fan

We perform a blower door test to identify how much air leakage is in your home by depressurizing it with a special fan mounted to a temporary door. A smoke tracer and infrared camera then help to locate leaks.

### Smoke Tracer



### Infrared Imaging



### Insulation Inspection



We examine insulation levels in the thermal envelope including in the attic, basement, and walls.



### Check Heating & Cooling Systems

- Safety, efficiency, and leak check
- Mechanical analysis of boiler/furnace
- Combustion Appliance Zone (CAZ) testing
- Current heating fuel and electrical use examination



### Health & Safety

We inspect smoke and CO detectors.

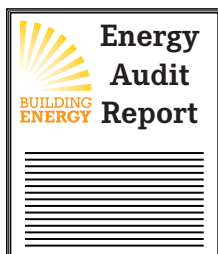


### Window & door condensation & air leakage inspection

## The Report

Our BPI Certified Energy Auditors complete a detailed report outlining their findings, energy-saving tips, and work recommendations for energy improvements.

The report includes itemized costs and estimated applicable rebates from Efficiency Vermont and other sources.



# BUILDING ENERGY

Building Solutions for a Sustainable Future

SOLAR

WEATHERIZATION

CONSTRUCTION

HEAT PUMPS

### Williston

802-859-3384

1570 South Brownell Road  
Williston, VT 05495

### White River Junction

802-359-7550

2458 Christian Street  
White River Junction, VT 05001

[BuildingEnergyVT.com](http://BuildingEnergyVT.com)

# Understanding Air Leakage

We have helped homeowners across Vermont increase comfort and save energy. According to the US Energy Department “the average home has enough air leakage to add up to a two-foot-square hole. That’s like leaving a medium sized window open 24 hours a day.”



## What We Can Do To Help

### Our Services

- ✓ Over 40 Years of Construction and Remodeling Expertise and Experience
- ✓ Closed Cell Spray Foam Insulation
- ✓ Cellulose Insulation
- ✓ Solar System Design and Installation
- ✓ Cold-Climate Air-Source Heat Pump Design and Installation
- ✓ Heating Consultation
- ✓ Building, Remodeling, and Design
- ✓ Doors and Windows
- ✓ Thermal Building Residing

### Our Expertise

- ✓ Performing Energy Audits on Residential and Commercial Buildings since 2002
- ✓ Over 30 years of high performance design and construction using dense pack cellulose and spray foam insulation
- ✓ BPI Certified Building Analysts
- ✓ Post work testing and a guarantee of all our work
- ✓ Efficiency Vermont participating Home Performance with ENERGY STAR® Contractor
- ✓ Member of Efficiency Vermont’s Efficiency Excellence Network
- ✓ In-house Solar System Design and Installation Teams



## BPI Certified Building Analysts and a Participating EEN Member

The Building Performance Institute is a national standards development and credentialing organization for residential energy efficiency retrofit work.

All of our auditors are trained, certified, and enthusiastic about making your home more energy efficient.

