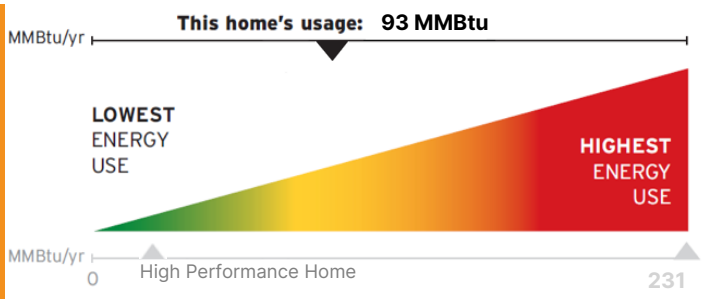
VT HOME ENERGY PROFILE

THIS HOME'S ANNUAL EXPECTED ENERGY COST

$3,137

**Third-Party Verified*

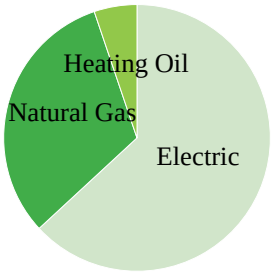


The Vermont Home Energy Profile is a report a home's expected annual energy costs and usage. The Profile also documents verified home energy upgrades completed by a professional contractor specializing in energy efficiency. **Energy usage and costs are estimates only.** Standardized assumptions are used for variable factors such as weather, occupancy, lights and appliance usage. See reverse side for details.

$3,137 Expected Annual Energy Costs

The breakdown of fuel usage is an estimate based on the fuels used in this home

Electric	$3,050 15,000 kwh 0.20 $/kwh
Natural Gas	$1,531 150 ccf 1.40 $/ccf
Heating Oil	$251 50 gal 2.50 $/gal
Solar	$1,450 1,500 kwh



Source: ...

HOME INFORMATION

LOCATION:

123 Main St

Montpelier, VT 05000

YEAR BUILT:

2005

CONDITIONED FLOOR AREA:

2200 sq. ft.

REPORT INFORMATION

PROFILE ISSUE DATE:

2019-08-23

PROFILE GENERATED BY:

John Doe

Brought to you by a collaboration of Vermont Residential Energy Labeling Stakeholders and HELIX | Where home energy performance data creates market value.

ACHIEVEMENTS

Completed Actions, Home Energy Certifications and Improvement Measures

✓ Generated a Vermont Home Energy Profile.

Congratulations! You've taken the first step to understanding your home's energy use...

TAKE ACTION!

The following actions can help you save money on your energy costs for years to come

❒ Schedule regular maintenance with a professional for your heating and cooling (if applicable) equipment to ensure optimum performance.

❒ Ensure insulation levels meet Vermont Residential Building Energy Standards.

❒ Discover if unseen air leaks are contributing to heat loss and creating uncomfortable drafts in your home.

❒ Verify all appliances and mechanical equipment are ENERGY STAR® certified.

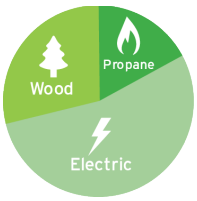
How do a Home's Features Impact Expected Energy Costs?

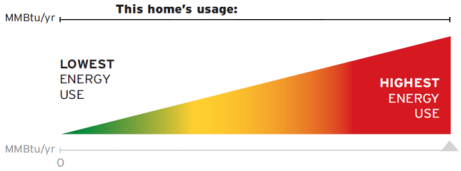
Mind your R's and U's!

Becoming familiar with the efficiency values of the various components of a home will help you understand why the home uses energy the way it does. Energy features that contribute to a home's Expected Annual Energy Use and Costs are listed to the right. Learn where this home falls on the energy spectrum and where opportunities are to reduce energy waste!

	LOW ENERGY USE *Efficiency Vermont Certified High Performance Home*	VERMONT ENERGY CODE *Vermont 2015 Residential Building Energy Standards (RBES)*	HIGH ENERGY USE *Typical Pre-Weatherized Existing Home*
Building Tightness	≤1 ACH50	3 ACH50	≥7 ACH50
Attic Insulation	≥R-60	R-49	≤R-19
Wall Insulation	≥R-25	R-20 (cavity) or R-15 (continuous)	≤R-3
Basement Wall Insulation	R-40	R-20 (cavity) or R-15 (continuous)	R-0
Windows & Glass Doors	Triple-Pane, LowE, High Solar Gain	Double-Pane (U-0.32), LowE	Single-Pane, Clear
Heating System - Gas	≥90 AFUE, ENERGYSTAR®	80 AFUE, Federal minimum	≤70 AFUE
Heating System - Electric	≥9 HSPF, (NEEP ccASHP specification)	8.2 HSPF, Federal minimum	≤7 HSPF
Cooling System	≥15 SEER, ENERGYSTAR®	14 SEER (Federal Minimum)	≤11 SEER
Hot Water (50gal) - Gas	≥0.74 UEF, ENERGYSTAR®	0.56 UEF, Federal minimum	≤0.55 UEF
Hot Water (50gal) - Electric	≥2 UEF, ENERGYSTAR®	0.92 UEF, Federal minimum	≤0.87 UEF
Appliances & Electronics	ENERGY STAR®	n/a	conventional
Lighting	100% LEDs & CFLs	≥75% 'high efficiency'	Incadescent, Halogen
Solar PV Present?	Solar photovoltaics (PV) generate electricity from the sun with zero emissions		

What are the components of the Vermont Home Energy Profile?





EXPECTED ENERGY COSTS

When the source of Energy Costs is AEM, publicly available information about a home, such as its age, size, heating system type and fuel are used to provide an alogrithm-based estimate the home's likely annual energy costs.

When the source of Energy Costs is Third-Party Verified, an energy professional has visited the home and generated an energy model using detailed information about the home's actual energy features. Standard assumptions are used for variable factors such as weather and occupancy.

Average annual fuel prices are obtained from the U.S. Energy Information Administration (EIA) and the Vermont Public Service Department.

EXPECTED ENERGY USE

This section converts the total energy used in this home (electricity and fossil fuels like oil or gas) to a common unit of energy (MMBtu). A low MMBtu identifies a home as energy efficient with a smaller carbon footprint and lower energy costs.

1MMBtu =

- 7 gal fuel oil
- 710 therms of natural gas
- 11 gal of propane
- 293 kWh of electricity
- .05 cords of wood

USEFUL ENERGY TERMS & DEFINITIONS

R-Value: Measures the resistance of heat flow through a material such as insulation. Higher R-Values mean more heat stays inside your home and heating systems run less.

U-Value: The performance rating for windows. A lower U-Value indicates a better performing window and a more comfortable home.

Low-E: Low emissivity is a coating applied to windows that reflects heat back to its source so it helps your home stay cooler in the summer and warmer in the winter.

ACH50: Air changes per hour at 50 pascals. Lower values mean the home is properly-sealed and has fewer air leaks.

SEER: Seasonal Energy Efficiency Ratio. Defines the efficiency of central air conditioners and air source heat pumps in cooling mode. Higher is better.

HSPF: Heating Seasonal Performance Factor. Defines the efficiency of air source heat pumps in heating mode. Higher is better.

SEER: Uniform Energy Factor measures water heaters performance. A higher UEF rating is more energy efficient. Higher is better.

Take action!

Information is power! The Vermont Home Energy Profile can inform the next steps to improve this home’s energy efficiency by indicating specific features that can be improved.

If you have questions about how to interpret this Profile please contact Efficiency Vermont at 888-921-5990.

For energy saving tips, links to qualified contractors, financing, and cash back rebates on energy saving equipment and services, contact the organizations listed here:

Efficiency Vermont • 888-921-5990
www.efficiencyvermont.com

Vermont Gas Systems • 888-921-5990
www.vermontgas.com

Burlington Electric Department
802-865-7342 • www.burlingtonelectric.com

Vermont’s Weatherization Program
www.dcf.vermont.gov/oeo/weatherization