

Home Energy Rating Certificate

95 Valley Cemetery Road
Athens, VT 05143



5 Stars Plus
Verified Condition

Efficiency Vermont

your resource for energy savings

Uniform Energy Rating System

Uniform Energy Rating System						Energy Efficient			
1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70-0

HERS Index: **47**

General Information

Conditioned Area: 2702 sq. ft. HouseType: Single-family detached
Conditioned Volume: 22304 cubic ft. Foundation: Unconditioned basement
Bedrooms: 3

Mechanical Systems Features

Heating: Fuel-fired air distribution, Propane, 95.0 AFUE.
Water Heating: Instant water heater, Propane, 0.84 EF.
Cooling: Air conditioner, Electric, 13.0 SEER.
Duct Leakage to Outside: Total: 0.00 CFM @ 25 Pascals.
Ventilation System: Balanced: HRV, 181 cfm, 157.0 watts.
Programmable Thermostat: Heating: Yes Cooling: Yes

Building Shell Features

Ceiling Flat: R-36 Exposed Floor: U-0.278
Vaulted Ceiling: R-36 Window Type: U.30 SHGC .28
Above Grade Walls: R-24 **Infiltration:**
Foundation Walls: R-24.0 Rate: Htg: 1380 Clg: 1380 CFM50
Slab: None Method: Blower door test

Lights and Appliance Features

Percent Fluorescent Pin-Based: 9.00 Clothes Dryer Fuel: Propane
Percent Fluorescent CFL: 0.00 Range/Oven Fuel: Electric
Refrigerator (kWh/yr): 584.00 Ceiling Fan (cfm/Watt): 0.00
Dishwasher Energy Factor: 0.72

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.31.1 Vermont

This information does not constitute any warranty of energy cost or savings.

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Rating Number: 6038H816

Export Build Run No: 11694

Certified Energy Rater: Jeff Manney

Rating Date: October 4, 2007

Rating Ordered For: The McKernon Group

Estimated Annual Energy Cost

Use	Verified Condition		
	MMBtu	Cost	Percent
Heating	64.0	\$1683	55%
Cooling	2.7	\$97	3%
Hot Water	15.3	\$401	13%
Lights/Appliances	31.3	\$1072	35%
Photovoltaics	-9.5	-\$339	-11%
Service Charges		\$137	4%
Total		\$3051	100%

This home meets or exceeds the minimum criteria for all of the following:

- Federal Energy Policy Act, 2005*
- Vermont Energy Star Homes Criteria*
- Vermont Residential Energy Code*

* Compliance with criteria for this program is determined by the rater.

Vermont Energy Investment Corp

255 S. Champlain St.

Burlington, VT 05401

800-639-6069

Fax 802-658-1643

www.veic.org



VT RESIDENTIAL BUILDING ENERGY STANDARDS CERTIFICATE

Site: 95 Valley Cemetery Road, Athens, VT 05143

Electric Utility: CVPS

Construction Start/Completion Date: / September, 2007

Project Description: Single Family Conditioned Area: 2702 Sq Ft

Number of units: 1 # Stories: 1 # Bedrooms: 3

Foundation: Unconditioned basement Insulation Depth: 5.67 ft.
Basement walls: R-24

Floors: Over Unheated spaces: R-3.6

Walls: Above grade: R-24

Ceilings: Flat: R-36 Sloped: R-36

Doors: U-0.36 Deflt U-0.17 Deflt Glass Door: U-0.3 NFRC

Windows: U-0.3 NFRC

Skylight NA

Net window glazing (rough opening) area as percent of gross exterior wall area: 15%

Heating System: Forced Air Furnace, 95% AFUE Propane ECM motor

Central Cooling System: 13 SEER

Hot Water System: On Demand Water Heater 0.84 EF Propane

Ventilation System: Supply and Return, 181 cfm Performance Compliance

Code Compliance Path: Energy Rating

Home Energy Rating Index (85 or less = VT Residential Energy Code): 47

Accredited HERS Provider: VEIC Date: October 4, 2007

Other Energy Features: Energy Rating Number: H816 2,380W photovoltaic system

Blower Door Test: 1380 cfm50

HRV flow rate assumed to perform as rated by HVI at 0.4 in wg

THE 1997 VERMONT RBES MEETS OR EXCEEDS IECC 2000 (EXCEPT LOG HOMES)

I certify to _____ (owner) the premises listed above have been constructed in accordance with the Vermont Residential Building Standards (RBES) created under 21 V.S.A.-266

Signature

Company

Print Name

Phone

Date

21 V.S.A. -266 requires that this certification label be permanently affixed to inside electrical service panel/heating or cooling equipment/nearby in a visible location, and a copy be provided to the Department of Public Service Energy Efficiency Division, 112 State Street, Drawer 20, Montpelier, VT 05620-2601, and filed in the town land records.


NOTE: Non-compliance with RBES may result in action for damages created under 21 V.S.A. -266

This label does not specify all 1997 Vermont RBES requirements.

Questions? Call VT Dept of Public Service: 1-800-642-3281 (in-state) or 1-802-828-4056

YOUR HOME WILL MEET CODE ONLY WHEN THE FOLLOWING ACTION IS TAKEN:

1. The builder is required to review and sign the certificate
2. The home must comply with appropriate Basic Requirements
see enclosed green sheet
3. File a copy with the town clerk for the town in which the property is located.
4. Send a copy to: Vermont Department of Public Service;
112 State Street, Drawer 20, Montpelier, VT 05620
5. The builder or General Contractor keeps a copy of the certificate.
6. Affix the original certificate on or near the home's electrical panel.



AN ENERGY STAR[®]
QUALIFIED HOME

Address:

95 Valley Cemetery Road
Athens, VT

Built by:

The McKernon Group

Verified by:

VT Energy Investment Corp

Date:

October 4, 2007

Optional information:

HERS Index: 47

ENERGY STAR qualified homes are independently verified to meet strict energy efficiency guidelines set by the U.S. Environmental Protection Agency. Each home that earns the ENERGY STAR can keep 4,500 lbs of greenhouse gases out of our air each year.
www.energystar.gov