

Home Energy Rating Certificate



Barnard, VT 05031



**5 Stars Plus
Confirmed**

Uniform Energy Rating System

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 or Less

Energy Efficient

HERS Index: **34**

General Information

Conditioned Area: 2862 sq. ft. House Type: Single-family detached
 Conditioned Volume: 73484 cubic ft. Foundation: More than one type
 Bedrooms: 3

Mechanical Systems Features

Air-source heat pump: Electric, Htg: 12.5 HSPF, Clg: 26.1 SEER.
 Air-source heat pump: Electric, Htg: 13.5 HSPF, Clg: 30.5 SEER.
 Water Heating: Heat pump, Electric, 2.33 EF, 80.0 Gal.
 Duct Leakage to Outside: NA
 Ventilation System: Balanced: HRV, 104 cfm, 32.0 watts.
 Programmable Thermostat: Heating: Yes Cooling: No

Building Shell Features

Ceiling Flat: NA Slab: R-15.0 Edge, R-15.0 Under
 Sealed Attic: R-37.5 Exposed Floor: NA
 Vaulted Ceiling: R-37.5 Window Type: U-Value: 0.200, SHGC: 0.270
 Above Grade Walls: R-35.0 Infiltration Rate: Htg: 277 Clg: 277 CFM50
 Foundation Walls: R-21.3 Method: Blower door test

Lights and Appliance Features

Percent Interior Lighting: 86.60 Range/Oven Fuel: Electric
 Percent Garage Lighting: 100.00 Clothes Dryer Fuel: Electric
 Refrigerator (kWh/yr): 753.00 Clothes Dryer EF: 3.90
 Dishwasher Energy Factor: 0.81 Ceiling Fan (cfm/Watt): 0.00

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

REM/Rate - Residential Energy Analysis and Rating Software v14.6.1 Vermont

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

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Registry ID: 234077426

Rating Number: 6038N603

Export Build Run No: 20455

Certified Energy Rater: Jennifer Severidt

Rating Date: June 1, 2015

Rating Ordered For: Unity Building Technologies

Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	21.1	\$910	40%
Cooling	0.9	\$41	2%
Hot Water	5.2	\$224	10%
Lights/Appliances	21.9	\$945	42%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$157	7%
Total	49.1	\$2276	100%

This home meets or exceeds the minimum

criteria for all of the following:
 2011 VT Residential Building Energy Standards*
 Efficiency Vermont Certified*
 Federal Energy Policy Act, 2005*

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

Vermont Energy Investment Corp

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