

# Home Energy Rating Certificate

9451 Goose Creek Valley Road  
Montvale, VA 24122



**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: 36**

### General Information

Conditioned Area: 2851 sq. ft.      HouseType: Single-family detached  
Conditioned Volume: 27269 cubic ft.      Foundation: More than one type  
Bedrooms: 3

### Mechanical Systems Features

Water Heating: Instant water heater, Propane, 0.84 EF, 0.0 Gal.  
Air-source heat pump: Electric, Htg: 6.8 HSPF. Clg: 11.0 SEER.

Duct Leakage to Outside: 74.00 CFM25.  
Ventilation System: Balanced: HRV, 90 cfm, 94.0 watts.  
Programmable Thermostat: Heating: Yes      Cooling: Yes

### Building Shell Features

Ceiling Flat: NA      Slab: R-5.0 Edge, R-10.0 Under  
Sealed Attic: NA      Exposed Floor: NA  
Vaulted Ceiling: R-30.0      Window Type: U-Value: 0.310, SHGC: 0.290  
Above Grade Walls: R-18.0      Infiltration Rate: Htg: 565 Clg: 565 CFM50  
Foundation Walls: R-39.7      Method: Blower door test

### Lights and Appliance Features

Percent Interior Lighting: 95.00      Range/Oven Fuel: Propane  
Percent Garage Lighting: 100.00      Clothes Dryer Fuel: Electric  
Refrigerator (kWh/yr): 691.00      Clothes Dryer EF: 3.01  
Dishwasher Energy Factor: 0.46      Ceiling Fan (cfm/Watt): 70.40

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

**REM/Rate - Residential Energy Analysis and Rating Software v14.6.2.1**

This information does not constitute any warranty of energy cost or savings.  
© 1985-2015 Noresco, Boulder, Colorado.

Registry ID: 148273442

Rating Number: 4888832-160203

Certified Energy Rater: Leo Watkins

Rating Date: 2/19/16

Rating Ordered For: Susan and Scott Randolph

## Estimated Annual Energy Cost

Use	Confirmed		
	MMBtu	Cost	Percent
Heating	0.0	\$0	0%
Cooling	4.0	\$142	10%
Hot Water	8.0	\$252	18%
Lights/Appliances	26.3	\$923	65%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$100	7%
<b>Total</b>	<b>38.3</b>	<b>\$1417</b>	<b>100%</b>

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

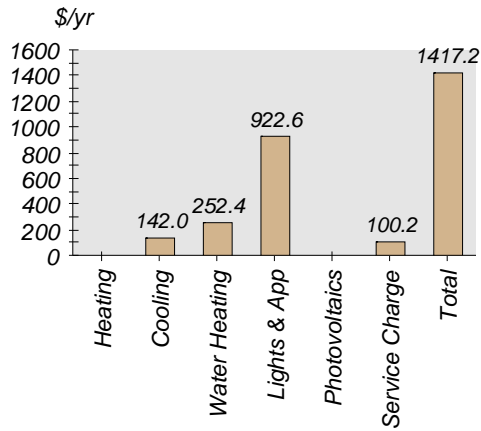
**EarthCraft Virginia**

1431 W. Main Street  
Richmond, VA 23220  
804-225-9843

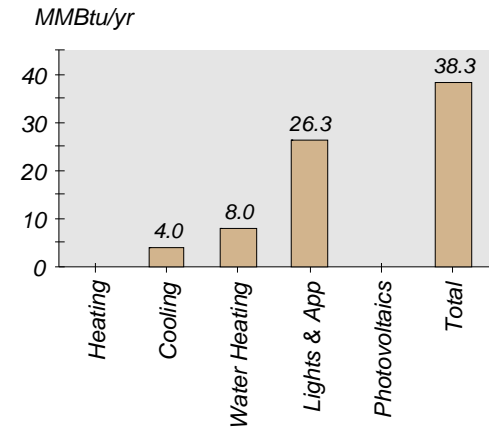


# ENERGY RATING CERTIFICATE

Estimated Annual Energy Cost



Estimated Annual Energy Consumption



Address: 9451 Goose Creek Valley Road  
Montvale, VA 24122

House Type: Single-family detached  
Cond. Area: 2851 sq. ft.  
Rating No.: 4888832-160203  
Issue Date: March 13, 2016  
Certification: Verified

Annual Estimates\*:  
Electric(kWh): 8022  
Propane(Gallons): 120  
CO2 emissions(Tons): 5  
Annual Savings\*\*: \$2867

\* Based on standard operating condition.  
\*\* Based on a HERS 130 Index Home

**EarthCraft Virginia**  
1431 W. Main Street

Certified Rater: Leo Watkins  
Rater ID: 4888832  
Registry ID: 148273442  
Rating Date: 2/19/16

