

# Home Energy Rating Certificate

55 Hickory Drive  
South Glastonbury, CT 06073



**5 Stars Plus  
Confirmed**

**HERS Index: -23**

**Efficient Home Comparison: 123% Better**

## General Information

Conditioned Area	4288 sq. ft.	House Type	Single-family detached
Conditioned Volume	40356 cubic ft.	Foundation	Conditioned basement
Bedrooms	4		

## Mechanical Systems Features

Ground-source heat pump:	Electric, Htg: 4.4 COP. Clg: 29.5 EER, w/DSH.
Water Heating:	Heat pump, Electric, 2.75 EF, 50.0 Gal.
Duct Leakage to Outside	0.00 CFM25.
Ventilation System	Balanced: ERV, 90 cfm, 48.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

## Building Shell Features

Ceiling Flat	NA	Slab	R-20.0 Edge, R-17.2 Under
Sealed Attic	NA	Exposed Floor	NA
Vaulted Ceiling	R-58.0	Window Type	U-Value: 0.260, SHGC: 0.360
Above Grade Walls	R-35.0	Infiltration Rate	Htg: 385 Clg: 385 CFM50
Foundation Walls	R-20.0	Method	Blower door test

## Lights and Appliance Features

Percent Interior Lighting	100.00	Range/Oven Fuel	Electric
Percent Garage Lighting	100.00	Clothes Dryer Fuel	Electric
Refrigerator (kWh/yr)	775.00	Clothes Dryer EF	3.10
Dishwasher Energy Factor	0.93	Ceiling Fan (cfm/Watt)	0.00

Registry ID 710940795

Rating Number

Certified Energy Rater Karla Donnelly

Rating Date 4/20/2015

Rating Ordered For Carl Benker & Elizabeth Wegner

## Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	10.2	\$535	-30%
Cooling	2.4	\$124	-7%
Hot Water	3.8	\$201	-11%
Lights/Appliances	28.9	\$1525	-84%
Photovoltaics	-79.5	\$-4195	232%
Service Charges		\$0	-0%
<b>Total</b>	<b>-34.3</b>	<b>\$-1810</b>	<b>100%</b>

## Criteria

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

EPA ENERGY STAR Version 2 Home

EPA ENERGY STAR Version 3 Home

EPA ENERGY STAR Version 3.1 Home

2009 International Energy Conservation Code

2012 International Energy Conservation Code

Steven Winter Design

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**REM/Rate - Residential Energy Analysis and Rating Software v14.5.1**

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