

# Home Energy Rating Certificate

## Property

Paul & Julia Torcellini  
76 Weeks Road  
Eastford, CT 06242

## HERS

Rating Type: Confirmed  
Rating Date: 2015/12/30  
Registry ID: 714436569

Certified Energy Rater: Karla Butterfield

Rating Number:

## HERS Index: 2

### General Information

Conditioned Area	3597 sq. ft.	House Type	Single-family detached
Conditioned Volume	35222 cubic ft.	Foundation	Conditioned basement
Bedrooms	3		

### Mechanical Systems Features

Heating:	Air-source heat pump, Electric, 11.5 HSPF.
Heating:	Air-source heat pump, Electric, 3.7 COP.
Cooling:	Air-source heat pump, Electric, 26.1 SEER.
Duct Leakage to Outside	NA
Ventilation System	Balanced: HRV, 74 cfm, 54.0 watts.
Programmable Thermostat	Heat=Yes; Cool=Yes

### Building Shell Features

Ceiling Flat	R-50.0	Slab	R-10.0 Edge, R-0.0 Under
Sealed Attic	NA	Exposed Floor	R-66.5
Vaulted Ceiling	NA	Window Type	U-Value: 0.300, SHGC: 0.260
Above Grade Walls	R-51.6	Infiltration Rate	Htg: 440 Clg: 440 CFM50
Foundation Walls	R-23.0	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)	383	Clothes Dryer EF	3.01
Dishwasher Energy Factor	0.46	Ceiling Fan (cfm/Watt)	0.00

### Estimated Annual Energy Cost

Use	MMBtu	Cost	Percent
Heating	17.4	\$645	806%
Cooling	4.0	\$75	93%
Hot Water	4.0	\$225	282%
Lights/Appliances	25.8	\$1359	1699%
Photovoltaics	-42.2	\$-2223	-2780%
Service Charges		\$0	0%
<b>Total</b>	<b>9.0</b>	<b>\$80</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 2.5 Home  
EPA ENERGY STAR Version 3 Home  
EPA ENERGY STAR Version 3.1 Home  
2006 International Energy Conservation Code  
2009 International Energy Conservation Code  
2012 International Energy Conservation Code

Steven Winter Design  
61 Washington Street  
Norwalk, CT 06854  
203.857.0200  
Fax #

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

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