Home Energy Rating Certificate
23 Brown House Road

Old Greenwich, CT 06870



## 5 Stars Plus Confirmed

### **Uniform Energy Rating System**

Energy Efficient						
ars	4 Stars Plus	5 Stars	5 Stars			

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101

4 Sta Plus 100-91 90-86 85-71 70 or Less

**HERS Index:** 

20

**General Information** 

Conditioned Area:

3671 sq. ft.

HouseType:

Single-family detached

Conditioned Volume:

37373 cubic ft.

Foundation:

Conditioned basement

Bedrooms: 5

**Mechanical Systems Features** 

Heating:

Fuel-fired air distribution, Natural gas, 96.0 AFUE.

Cooling:

Air conditioner, Electric, 16.5 SEER.

Water Heating:

Integrated, Natural gas, 0.88 EF, 70.0 Gal.

Duct Leakage to Outside:

0.00 CFM.

Ventilation System:

Balanced: ERV. 102 cfm. 78.5 watts.

Programmable Thermostat:

Heating: Yes

Cooling: Yes

**Building Shell Features** 

Ceiling Flat:

NA

Exposed Floor:

R-44

Vaulted Ceiling:

R-42, R-50

Window Type:

U:0.28, SHGC:0.27

Above Grade Walls:

R-29, R-21

Infiltration:

Foundation Walls:

R-23.8

Rate:

Htg: 630 Clg: 630 CFM50

Slab:

R-13.8 Edge, R-13.8 Under

Method:

Blower door test

**Lights and Appliance Features** 

Percent Interior Lighting:

99.10

Range/Oven Fuel:

Natural gas

Percent Garage Lighting:

100.00

Clothes Dryer Fuel:

Electric

Refrigerator (kWh/yr):

460.00

Clothes Dryer EF:

3.01

Dishwasher Energy Factor:

0.92

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 v13.0

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Registry ID: 892065799

Rating Number: 2011SWD0057

Certified Energy Rater: Karla Donnelly

Rating Date: 10/26/2012

Rating Ordered For: Peter Fusaro

### **Estimated Annual Energy Cost**

Confirmed

	Confirmed		
Use	MMBtu	Cost	Percent
Heating	37.3	\$591	65%
Cooling	2.9	\$153	17%
Hot Water	17.9	\$269	30%
Lights/Appliances	29.1	\$1399	155%
Photovoltaics	-28.6	\$-1509	-167%
Service Charges		\$0	0%
Total		\$904	100%

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

EPA ENERGY STAR Version 2.5 Home EPA ENERGY STAR Version 3 Home 2009 International Energy Conservation Code

Steven Winter Design, a Division of Steven Winter Associates, Inc.

61 Washington Street Norwalk, CT 06854 203.857.0200 203.852.0741



# CERTIFIED NEW HOME

# **ENERGY STAR**

Address

23 Brown House Road Old Greenwich, CT

Built by:

Preferred Builders, Inc.

Verified by:

Steven Winter Design, Inc.

Date:

10/26/2012

ENERGY STAR® for Homes Version Number:

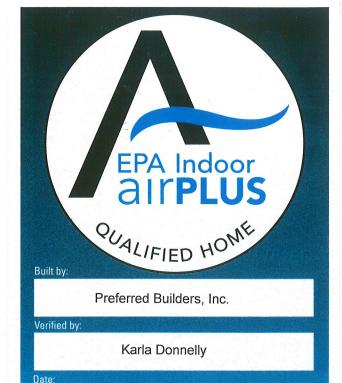
Version 3.0

Ontional information:

HERS Index: 20

This home has been independently verified to meet EPA's strict guidelines for energy efficiency.

Learn more at energystar.gov



October 26, 2012

New homes that are Indoor airPLUS qualified meet U.S. Environmental Protection Agency quidelines for improved indoor air quality.

www.epa.gov/indoorairplus