

Home Energy Rating Certificate

349 Millbrook Rd.
Hudson, NY 12534



5 Stars Plus
Confirmed Rating

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
0-19	20-39	40-49	50-59	60-69	70-79	80-81	81-82	83-85	86-100

Energy Efficient

NY HERS Score: 89.6 / HERS Index: 52

General Information

Conditioned Area: 1568 sq. ft. House Type: Single-family detached
Conditioned Volume: 18922 cubic ft. Foundation: Slab
Bedrooms: 3

Mechanical Systems Features

Air-source heat pump: Electric, Htg: 10.0 HSPF, Ctg: 26.0 SEER.
Air-source heat pump: Electric, Htg: 10.6 HSPF, Ctg: 23.0 SEER.
Water Heating: Instant water heater, Electric, 0.99 EF, 0.0 Gal.
Duct Leakage to Outside: NA
Ventilation System: Balanced: HRV, 74 cfm, 88.0 watts.
Programmable Thermostat: Heating: Yes Cooling: Yes

Building Shell Features

Ceiling Flat: NA Exposed Floor: NA
Vaulted Ceiling: U-0.019 Window Type: U-0.19, SHGC: 0.56*****
Above Grade Walls: U-0.020, U-0.021 Infiltration:
Foundation Walls: NA Rate: Htg: 0.15 Ctg: 0.15 ACH50
Slab: R-20.0 Edge, R-59.0 Under Method: Blower door test

Lights and Appliance Features

Percent Fluorescent Pin-Based: 0.00 Clothes Dryer Fuel: Electric
Percent Fluorescent CFL: 100.00 Range/Oven Fuel: Electric
Refrigerator (kWh/yr): 457.00 Ceiling Fan (cfm/Watt): 0.00
Dishwasher Energy Factor: 0.64

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

REM/Rate - Residential Energy Analysis and Rating Software v12.9 New York

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

Certified Energy Rater: Jordan Dentz
Rating Date: 10/5/10
Rating Ordered For: Bill Stratton Building Co. LLC

Estimated Annual Energy Cost

Use	Confirmed Rating		Percent
	MMBtu	Cost	
Heating	6.7	\$355	16%
Cooling	3.2	\$167	8%
Hot Water	11.7	\$617	29%
Lights/Appliances	19.2	\$1015	47%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$0	0%
Total		\$2154	100%

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

ENERGY STAR VERSION 2 HOME REPORT

Date:	November 22, 2010	Rating No.:	
Building Name:	HudsonPassiveProject	Rating Org.:	The Levy Partnership, Inc.
Owner's Name:	Bill Stratton Building Co. LLC	Phone No.:	212 496 0800
Property:	349 Millbrook Rd.	Rater's Name:	Jordan Dentz
Address:	Hudson, NY 12534	Rater's No.:	
Builder's Name:	Bill Stratton Building Co. LLC		
Weather Site:	Newburgh, NY	Rating Type:	Confirmed Rating
File Name:	Hudson Passive Project-Upgrade(Oct 2010).blg	Rating Date:	10/5/10

Normalized, Modified End-Use Loads (MMBtu/year)

	ENERGY STAR	As Designed
Heating:	37.6	9.6
Cooling:	11.8	9.4
Water heating:	9.5	10.8
Lighting & Appliances:	17.5	22.3
Total:	76.4	52.1
HERS Index:	80	52
NY HERS Score:	84.0	89.6

ENERGY STAR Mandatory Requirements

- | | |
|---|--|
| <input checked="" type="checkbox"/> Thermal Bypass Inspection Checklist | <input checked="" type="checkbox"/> ENERGY STAR Products |
| <input checked="" type="checkbox"/> Ductwork Requirements | <input checked="" type="checkbox"/> ENERGY STAR Scoring Exceptions |

This home MEETS OR EXCEEDS the energy efficiency requirements for designation as an EPA ENERGY STAR Qualified Home.

Pollution Prevented

Type of Emissions	Reduction
Carbon Dioxide (CO2) - tons/yr	3.2
Sulfur Dioxide (SO2) - lbs/yr	19.8
Nitrogen Oxides (NOx) - lbs/yr	7.2

Energy Cost Savings (\$/year)

Heating:	\$1318
Cooling:	\$99
Water Heating:	\$58
Lights & Appliances:	\$-22
Total:	\$1454

The energy savings and pollution prevented are calculated by comparing the Rated Home to the Reference Home as defined in the "Mortgage Industry National Home Energy Rating Systems Standards" as promulgated by the Residential Energy Services Network (RESNET). In accordance with these guidelines, building inputs affecting setpoints, infiltration rates, window shading and the existence of mechanical systems may have been changed prior to calculating loads.