

# Home Energy Rating Certificate

Projected Report  
Based on Plans

Rating Date:  
Registry ID:  
Ekotrope ID: gdE7Z3b2

## HERS® Index Score:

# 52

Your home's HERS score is a relative performance score. The lower the number, the more energy efficient the home. To learn more, visit [www.hersindex.com](http://www.hersindex.com)

## Annual Savings

# \$2,035

\*Relative to an average U.S. home

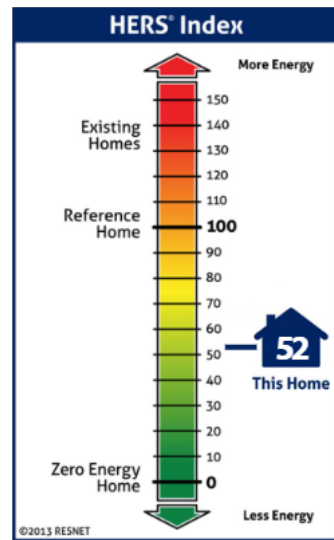
**Home:**  
4 Newbury Ct  
North Haven, CT 06473

**Builder:**  
RAL Developers

## Your Home's Estimated Energy Use:

	Use [MBtu]	Annual Cost
Heating	14.6	\$515
Cooling	0.9	\$33
Hot Water	3.1	\$111
Lights/Appliances	21.4	\$754
Service Charges		\$115
Generation (e.g. Solar)	0.0	\$0
<b>Total:</b>	<b>40.0</b>	<b>\$1,528</b>

This home meets or exceeds the criteria of the following:



## Home Feature Summary:

Home Type:	Duplex, single unit
Model:	Patton
Community:	Pierpont Hill
Conditioned Floor Area:	2,370 ft <sup>2</sup>
Number of Bedrooms:	4
Primary Heating System:	Air Source Heat Pump • Electric • 9 HSPF
Primary Cooling System:	Air Source Heat Pump • Electric • 18 SEER
Primary Water Heating:	Residential Water Heater • Electric • 3.75 UEF
House Tightness:	3.23 ACH50
Ventilation:	60 CFM • 21 Watts (Default)
Duct Leakage to Outside:	Forced Air Ductless
Above Grade Walls:	R-21
Ceiling:	Attic, R-48
Window Type:	U-Value: 0.28, SHGC: 0.33
Foundation Walls:	N/A
Framed Floor:	R-31

## Rating Completed by:

**Energy Rater:** TJ McLear  
RESNET ID: 5236047

**Rating Company:** Independent Insulation  
583 Ward Street Ext Wallington CT 06492  
12033767129

**Rating Provider:** Performance Systems Development  
950 Danby Rd, Ste 201P, Ithaca NY 14850  
607-277-6240



TJ McLear, Certified Energy Rater  
Date: 9/18/22 at 6:03 PM

# Connecticut Rebate Program Fuel Summary Comparison

**Property**  
 4 Newbury Ct  
 North Haven, CT 06473  
 Model: Patton  
 Community: Pierpont Hill

**Organization**  
 Independent Insulation  
 TJ McLearn  
 2038158593

**Inspection Status**  
 Results are projected

Patton Home @ Pierpont Hill - All-Electric Projection  
 Initial House Design

**Builder**  
 RAL Developers

Annual Energy Cost [\$ /yr]	Reference	Rated Home	Savings	% Saved
Electric	\$2,324	\$1,414	\$910	39.2%

Annual End-Use Cost [\$ /yr]	Reference	Rated Home	Savings	% Saved
Heating	\$895	\$374	\$521	58.2%
Cooling	\$104	\$74	\$30	28.9%
Water Heating	\$305	\$111	\$194	63.6%
Lights & Appliances	\$905	\$740	\$165	18.2%
Onsite Generation	-\$0	-\$0	\$0	0%
Service Charges	\$115	\$115	\$0	0%
Total	\$2,324	\$1,414	\$910	39.2%

Annual End-Use Consumption	Reference	Rated Home	Savings	% Saved
Heating [Electric kWh]	7,425.4	3,105.2	4,320.2	58.2%
Cooling [Electric kWh]	860.8	610.0	250.8	29.1%
Hot Water [Electric kWh]	2,532.4	919.0	1,613.5	63.7%
Lights & Appliances [Electric kWh]	7,511.1	6,140.8	1,370.3	18.2%
Total [Electric kWh]	18,329.7	10,775.0	7,554.8	41.2%
Total Onsite Generation kWh	0.0	0.0	0.0	0%

Peak Electric Consumption	Reference	Rated Home	Savings	% Saved
Peak Winter kW	5.09	2.20	2.89	56.8%
Peak Summer kW	2.02	1.46	0.57	27.9%

## Utility Rates

Electricity	Eversource Electric 07/22 to 12/2022
Natural Gas	Eversource Nat Gas Avg 01-06/2021