

Home Energy Rating Certificate



Five Stars Plus Site Visit

Site: 796 Ransom Road, Grand Island, NY 14074

Certified Energy Rater: Todd Blackley

Rating Date: November 25, 2006

Rating Ordered For: Riggs

Uniform Energy Rating System						Energy Efficient		
1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars Plus
0-19	20-39	40-49	50-59	60-69	70-79	80-81	81- 85	66-100

HERS Score: 89.8 / HERS Index: 51

General Information

Conditioned Area: 4100 Sq. Ft. Housetype: Single-Family Detached

Conditioned Volume: 35726 Cubic Ft Foundation: Conditioned Basement

Bedrooms: 2

Mechanical Systems Features

Heating: Fuel-Fired Hydronic Distribution, Natural Gas, 92.0 % EFF.

Water Heating: Instant Water Heater, Natural Gas, 0.85 EF.

Cooling: Air Conditioner, Electric, 13.0 SEER.

Duct Leakage To Outside: . Supply And Return: 15.00, 15.00 CFM @ 25 Pascals

Ventilation System: Balanced: ERV, 150 cfm, 147.0 watts

Programmable Thermostat: Heating: Yes Cooling: Yes

Building Shell Features

Ceiling Flat: R-41 Exposed Floor: NA

Vaulted Ceiling: R-35 Window Type: EE Homes

Above Grade Walls: R-20 Infiltration

Foundation Walls: R-12.0 Rate: Htg: 674 Clg: 674 CFM50

Slab: R-7.0 Edge, R-0.0 Under Method: Blower Door Test

Lights And Appliance Features

Percent Fluorescent Pin-Based:	10.00	Clothes Dryer Fuel:	Natural
Percent Fluorescent CFL:	25.00	Range/Oven Fuel:	Natural Gas
Refrigerator (KWh/Yr):	775.00	Ceiling Fan (cfm/Watt):	0.00
Dishwasher Energy Factor:	0.46		

The Home Energy Rating Standard Disclosure For This Home Is Available From The Rating Provider.

REM/Rate - Residential Energy Analysis And Rating Software V12.33 New York

This Information Does Not Constitute Any Warranty Of Energy Cost Or Savings.

Estimated Annual Energy Cost

Use	MM Btu	Cost	Percent
Heating	40.1	621	22%
Cooling	3.5	\$151	5%
Hot Water	12.2	\$187	7%
Lights/Appliances	44.9	\$1764	62%
Photovoltaics	-0.0	\$-0	-0%
Service Charges		\$120	4%
Total		\$2844	100%