

# Home Energy Rating Certificate

Saginaw

Upper peninsula, MI



**3 Stars Plus  
Site Visit**

## 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 |
| 500-401 | 400-301     | 300-251 | 250-201      | 200-151 | 150-101      | 100-91  | 90-86        | 85-71   | 70-0         |

## Energy Efficient

HERS Index: **125**

### General Information

Conditioned Area: 2148 sq. ft.  
 Conditioned Volume: 20842 cubic ft.  
 Bedrooms: 3

House Type: Single-family detached  
 Foundation: More than one type

### Mechanical Systems Features

Heating: Fuel-fired air distribution, Natural gas, 92.0 AFUE.  
 Heating: Fuel-fired unit heater, Wood, 50.0 % EFF.  
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 Duct Leakage to Outside: 150.00 CFM.  
 Ventilation System: None  
 Programmable Thermostat: Heating: No      Cooling: No

### Building Shell Features

Ceiling Flat: R-30      Exposed Floor: R-19  
 Vaulted Ceiling: R-19      Window Type: Double - Wood  
 Above Grade Walls: R-19, R-13, R-16      **Infiltration:**  
 Foundation Walls: R-12.1, R-1.1      Rate: Htg: 4650 Clg: 4650 CFM50  
 Slab: R-0.0 Edge, R-5.0 Under      Method: Blower door test

### Lights and Appliance Features

Percent Fluorescent Pin-Based: 10.00      Clothes Dryer Fuel: Electric  
 Percent Fluorescent CFL: 85.00      Range/Oven Fuel: Natural gas  
 Refrigerator (kWh/yr): 450.00      Ceiling Fan (cfm/Watt): 70.40  
 Dishwasher Energy Factor: 0.66

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

**REM/Rate - Residential Energy Analysis and Rating Software v12.5**

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

Certified Energy Rater: Flint Energy Rating

Rating Date: 7-29-08

Rating Ordered For: Northern Michigan

### Estimated Annual Energy Cost

| Use               | Site Visit |               |             |
|-------------------|------------|---------------|-------------|
|                   | MMBtu      | Cost          | Percent     |
| Heating           | 197.3      | \$1038        | 54%         |
| Cooling           | 0          | \$0           | 0%          |
| Hot Water         | 14.3       | \$335         | 17%         |
| Lights/Appliances | 22.0       | \$436         | 23%         |
| Photovoltaics     | -0.0       | \$-0          | -0%         |
| Service Charges   |            | \$120         | 6%          |
| <b>Total</b>      |            | <b>\$1929</b> | <b>100%</b> |

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

### TITLE

### Company

Address

City, State, Zip

Phone #

Fax #