Home Energy Rating Certificate

HERS Index: 38

General Information
- Conditioned Area: 3283 sq. ft.
- House Type: Single-family detached
- Conditioned Volume: 53082 cubic ft.
- Foundation: Conditioned crawl space
- Bedrooms: 4

Mechanical Systems Features
- Air-source heat pump: Electric, Htg: 10.1 HSPF. Clg: 15.8 SEER.
- Water Heating: Heat pump, Electric, 2.70 EF, 80.0 Gal.
- Duct Leakage to Outside: 97.00 CFM25.
- Ventilation System: Balanced: ERV, 110 cfm, 82.0 watts.
- Programmable Thermostat: Heat=Yes; Cool=Yes

Building Shell Features
- Ceiling Flat: NA
- Sealed Attic: R-49.0
- Vaulted Ceiling: R-49.0
- Above Grade Walls: R-30.0
- Foundation Walls: R-10.0
- Slab: R-10.0 Edge, R-10.0 Under
- Exposed Floor: NA
- Window Type: U-Value: 0.270, SHGC: 0.300
- Infiltration Rate: Htg: 1560 Clg: 1560 CFM50
- Method: Blower door

Lights and Appliance Features
- Percent Interior Lighting: 0.00
- Percent Garage Lighting: 0.00
- Refrigerator (kWh/yr): 794
- Dishwasher (kWh/yr): 539
- Range/Oven Fuel: Electric
- Clothes Dryer Fuel: Electric
- Clothes Dryer CEF: 3.93
- Ceiling Fan (cfm/Watt): 305.00

Estimated Annual Energy Cost

<table>
<thead>
<tr>
<th>Use</th>
<th>MMBtu</th>
<th>Cost</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>39.8</td>
<td>$924</td>
<td>79%</td>
</tr>
<tr>
<td>Cooling</td>
<td>2.5</td>
<td>$55</td>
<td>5%</td>
</tr>
<tr>
<td>Hot Water</td>
<td>3.5</td>
<td>$78</td>
<td>7%</td>
</tr>
<tr>
<td>Lights/Appliances</td>
<td>24.0</td>
<td>$545</td>
<td>47%</td>
</tr>
<tr>
<td>Photovoltaics</td>
<td>-21.9</td>
<td>-$497</td>
<td>-43%</td>
</tr>
<tr>
<td>Service Charges</td>
<td>$62</td>
<td>$62</td>
<td>5%</td>
</tr>
<tr>
<td>Total</td>
<td>48.0</td>
<td>$1168</td>
<td>100%</td>
</tr>
</tbody>
</table>

Criteria
This home meets or exceeds the minimum criteria for the following: