## Eau Claire Energy Cooperative

### COMPARE ENERGY COSTS - GEOTHERMAL HEAT PUMPS TO FOSSIL FUELS

#### HEATING COST COMPARISON

<table>
<thead>
<tr>
<th>Geothermal Heat Pump (GHP) with a COP of 4.3</th>
<th>Fuel Oil 80% efficient price/kWh</th>
<th>LP 92% efficient price/gallon</th>
<th>Natural Gas 92% efficient price/therm</th>
<th>Cost per Million BTU</th>
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<td>$0.062</td>
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<table>
<thead>
<tr>
<th>Fuel</th>
<th>BTU Heat Content</th>
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</thead>
<tbody>
<tr>
<td>GHP/COP of 4.3</td>
<td>14,676/kWh</td>
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<tr>
<td>Fuel Oil</td>
<td>140,000/gal</td>
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<tr>
<td>LP</td>
<td>91,500/gal</td>
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<tr>
<td>Natural Gas</td>
<td>100,000/therm</td>
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</table>

Example: If you are comparing a geothermal heat pump with a COP of 4.3, at $0.076/kWh (7.6 cents/kWh), to a 92% efficient LP system, you would have to buy LP at $0.44/gal, or less, to have as low an operating cost as the geothermal heat pump.

* ECEC rates subject to change at any time
* Off-Peak (Dual Fuel & Heat Storage) base rate Oct. - May billing periods (after NWPA Rate Credit)
* General Purpose base rate Oct. - May billing periods (after NWPA Rate Credit)

For more information on the NWPA Rate Credit go to www.ecec.com or call ECEC at 715-832-1603

updated 9/30/16