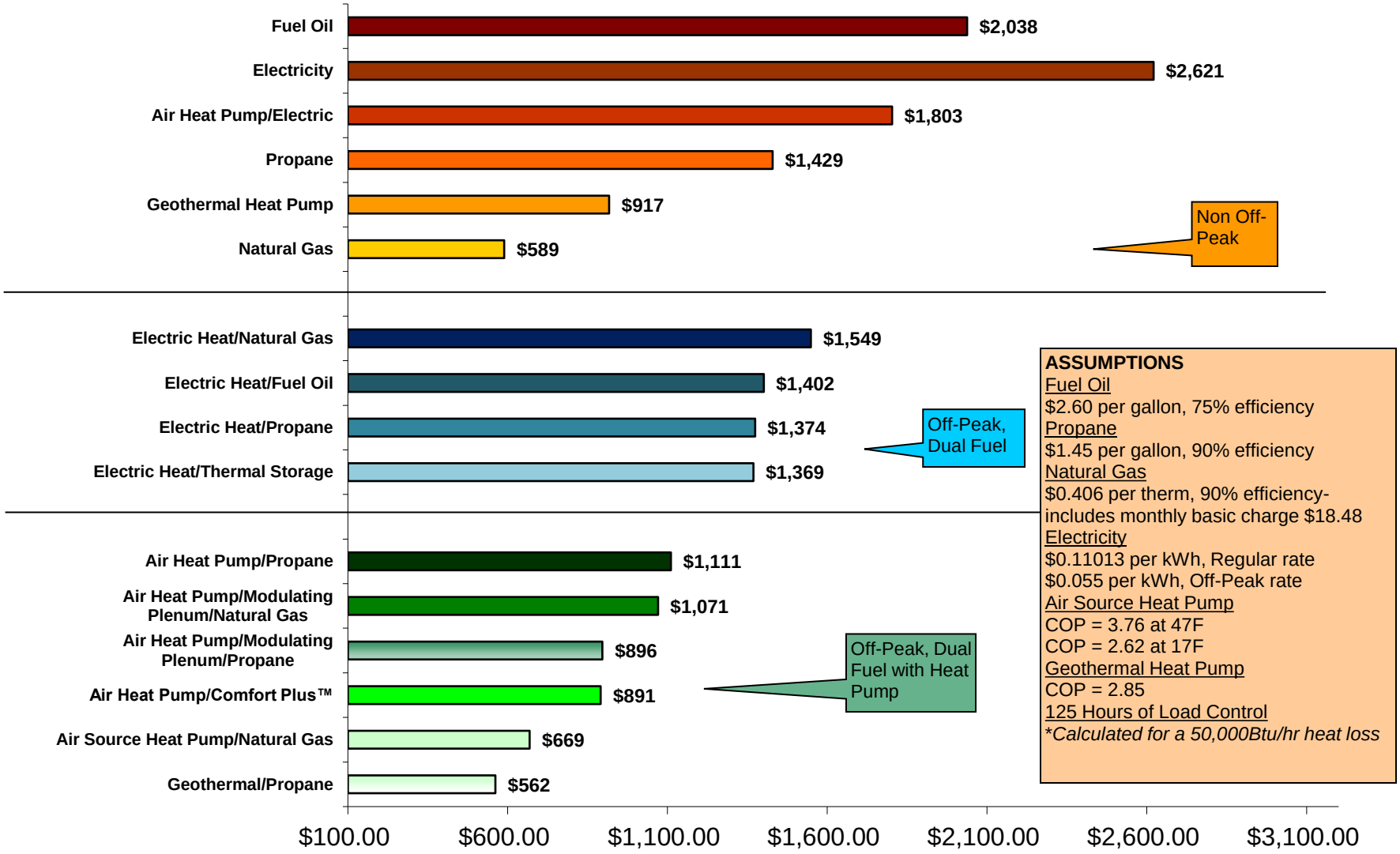
Cass County Electric Cooperative
Your Touchstone Energy® Partner

Annual Heating Cost Estimate

With Various Heat Sources

Average Size Home - Jan 2019



ASSUMPTIONS

Fuel Oil
$2.60 per gallon, 75% efficiency
Propane
$1.45 per gallon, 90% efficiency
Natural Gas
$0.406 per therm, 90% efficiency-includes monthly basic charge $18.48
Electricity
$0.11013 per kWh, Regular rate
$0.055 per kWh, Off-Peak rate
Air Source Heat Pump
COP = 3.76 at 47F
COP = 2.62 at 17F
Geothermal Heat Pump
COP = 2.85
125 Hours of Load Control
**Calculated for a 50,000Btu/hr heat loss*