HEATING COST COMPARISON
COST PER MILLION BTU'S

ELECTRIC

1,000,000 BTU
3,413 BTU/KWH = 293 KWH X $_____/KWH = $_____

NATURAL GAS

1,000,000 BTU
.75 SPF X 100,000 BTU/THERM = 13.3 THERMS X $_____/THERM = $ _____

1,000,000 BTU
.90 SPF X 100,000 BTU/THERM = 11.11 THERMS X $_____/THERM = $ _____

1,000,000 BTU
.95 SPF X 100,000 BTU/THERM = 10.53 THERMS X $_____/THERM = $ _____

PROPANE

1,000,000 BTU
.75 SPF X 91,500 BTU/GALLON = 14.6 GALLONS X $_____/GALLON = $ _____

1,000,000 BTU
.90 SPF X 91,500 BTU/GALLON = 12.14 GALLONS X $_____/GALLON = $ _____

1,000,000 BTU
.95 SPF X 91,500 BTU/GALLON = 11.5 GALLONS X $_____/GALLON = $ _____

OIL

1,000,000 BTU
.60 SPF X 140,000 BTU/GALLON = 11.9 GALLONS X $_____/GALLON = $ _____

AIR SOURCE HEAT PUMP

1,000,000 BTU
2.8 COP X 3,413 BTU/KWH = 105 KWH X $_____/KWH = $ _____

GROUND SOURCE HEAT PUMP

1,000,000 BTU
3.6 COP* X 3,413 BTU/KWH = 81 KWH X $_____/KWH = $ _____

*COP's include water pumping watts at 200' total dynamic heat with well pump at 25% wire to water efficiency.

COP (Coefficient of Performance) and SPF (Seasonal Performance Factor) are terms used to rate the efficiency of a heating unit.

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