

Key	
Propane:	1 Liquid Gallon = 91,500 BTU's
Electricity:	1 Kilo Watt/Hour = 3,413 BTU's
Natural Gas:	1 Cubic Foot = 1,000 BTU's

## Comparing Sources of Energy

### Electricity Example:

An average customer used 718 kw/h of electricity and charged \$64.12. The usage equivalent is 2,450,534 BTU's (718 kw/h X 3,413 BTU'S). Divide total BTU's by total Propane Liquid Gallon BTU (2,450,534/91,500 = 26.78) to determine the gallons of propane for the same amount of energy. The charge per gallon of propane to break even with electric rate used in example would be \$2.39/gallon (\$64.12/26.78 = \$2.39)

### Natural Gas Example:

Please **NOTE:** When using a natural gas bill to compare, it is important to know what units are being used. Usually it is in cubic feet (1,000 BTU's) or therms (100,000 BTU's). Once the unit of measure is determined, include **ALL** franchise fees, **MONTHLY** meter fees, fuel adjustment fees, energy efficiency program charge fees, etc.

A customer used 27 Units on a monthly bill with a charge of \$50.74. An additional fee known as an infrastructure charge or fuel adjustment charge of \$ .74 is charged making the total bill for that month \$51.48. (We will add in **MONTHLY** meter charge fee of \$15.00 at the end). For this example we will use therms, the commonly used unit of measure in our area. Therefore, multiply units used by the therm to determine BTU's used for the month. (27 X 100,000 = 2,700,000 BTU's). Divide Natural gas BTU by the Propane BTU found above in Key to find equivalent of propane gallons used. (2,700,000/91,500 = 29.5) This means 29.5 gallons of propane used for the same amount of energy used by the natural gas. To determine the what the break even cost of propane vs. natural gas, you take your total natural gas cost divided by equivalent gallons of propane. (\$51.48/29.5 = \$1.74/per gallon of propane). Now, add in your monthly meter charges, local sales tax, city use tax, and any other fees.

YOU CAN SAVE \$\$\$ WITH PROPANE! Check w/ your PROPANE provider to see you're what you are paying a gallon of gas today!

