

Equivalent Energy

Conversion of Natural Gas in CCF to Electricity in KWh

Actual Numbers From NYS Natural Gas Utility

January 21, 2022 to February 21, 2022 billing cycle.
Used 221CCF, billed \$193.84.

Energy from 221CCF/month of natural gas is equivalent to 6,480KWh/month of electricity.

It would take 6,480KWh/month of electricity to replace 221CCF/month of natural gas.

6,480KWh at 0.20 cents = \$1296 billed from electrical utility. Only \$194 for natural gas.

Proposals eliminating or curtailing use of natural gas is beyond being irresponsible.

$221\text{CCF} = 22,100\text{CF} = 22,100,000\text{btu}$. Used $1000\text{btu}/\text{CF}$
 $3412\text{btu} = 1\text{KWh}$. $22,100,000\text{btu}/3412\text{btu} = 6,480\text{KWh}$.

Not addressed above:

Homeowner electrical service from pole to meter and after meter not sized to handle 6,480KWh.

Utility distribution systems not presently designed to power a neighborhood of extreme demand.

Cost of new furnace, hot water tank, clothes dryer, cooking range not addressed.

Comments on math calculations to ggwoodrich@yahoo.com

Thank You,

Gregory Woodrich