

Converting Units of Measure for Natural Gas

One of the most frequent errors we encounter from data that is input by districts is the reporting of natural gas usage --- and our experience is that utility companies don't make it easy!

Gas usage is commonly reported in:

- o MCF or thousands of cubic feet
- o CCF or hundreds of cubic feet
- o Dekatherms; a therm is 100,000 btu's, and a dekatherms is 10 therms or 1 million btu's. (A btu is a British Thermal Unit; the amount of heat required to raise one pound of water, by one degree fahrenheit.)

The US Energy Information Administration uses 1,028 BTU's/FT³ as the heat content of natural gas. Armed with all of that, here are some useful conversions:

10 CCF	=	1 MCF	
1028 BTU	=	1 Cubic Ft.	(natural gas)
1 Therm	=	100,000 BTU's	
1.028 MMBTU's	=	1 MCF	(natural gas)
1 MMBTU's	=	10 Dekatherms	
1 KBTU	=	1000 BTU's	

And, here may be the most useful piece of information ... if you tell us the quantity of gas used, and the units of measure ... We will convert it for you!