



Natural Gas from the local producer to you.

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Will I save money by converting to natural gas?

With today's high energy costs, will I save enough by converting from propane to natural gas at my home?

Read on, as we will walk you through a step by step process to convert propane to natural gas and determine your cost savings. Use the calculations below to find the benefits of switching to natural gas service provided by **Consumers Gas Cooperative!**

Comparative Thermal Value of One Million BTU (British Thermal Unit)

Natural Gas 1,000,000 BTU = 1 Dekatherm (dth)

Propane 1,000,000 BTU = 10.917 Gallons

Converting Propane Costs to Natural Gas Equivalent Costs

Propane 1 Gallon = 91,600 BTU

Propane (average) \$1.50 per gallon (91,600 BTU)

CGC January, 2007 rate \$11.98 per dth (1,000,000 BTU)

If you use 1,000 gallons of propane this year at an average cost of \$1.50 per gallon your total propane cost for the year would be \$1,500.

The same amount of natural gas would cost \$1,097; a savings of \$403. Here's how:

1. 1,000 gallons of propane x 91,600 BTU/gallon = 91,600,000 BTU
2. 91,600,000 BTU divided by 1,000,000 BTU or 1 dth = 91.6 dth
3. 91.6 dth x \$11.98 per dth = \$1,097.
4. \$1,500 propane cost less \$1,097 natural gas cost = \$403 in savings

Now that you know your annual savings from converting to natural gas can be substantial, you can easily calculate your savings, by following the examples listed below.

To determine your equivalent natural gas price, multiply your current propane price per gallon by 10.917. Ex.: Propane at \$1.50 per gallon would equal (\$1.50 x 10.917) \$16.38 per Dth for natural gas. The current CGC rate for January 2007 was \$11.98 per Dth; which is a savings of \$4.40 compared to propane.

OR by dividing the monthly CGC price by 10.917 you would obtain the maximum equivalent propane price per gallon a homeowner could pay in order to have propane be the better value. Ex.: The CGC natural gas rates were \$11.98 per Dth in January, so the break even cost per gallon of propane would be \$1.10 per gallon (\$11.98 / 10.917). If your propane price is higher than \$1.10 per gallon, natural gas is the way to go!

For current CGC natural gas rates please call our offices today!