



CONSUMERS GAS COOPERATIVE

298 Tracy Bridge Rd. Orrville, OH 44667

Natural Gas from the local producer to you.

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Will I save money by converting to natural gas?

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 (CGC)**!

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 2017 12 month average rate \$7.87 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 \$877; a savings of \$623. 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 \$7.87 per DTH) + (\$156 for 12 monthly fees of \$13 monthly) = \$877 annually
4. \$1,500 propane cost less \$877 natural gas cost = \$623 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 ($\$1.50 \times 10.917$) \$16.38 per DTH for natural gas. The CGC 2017 12 month average per DTH price including all fees was \$9.57 per DTH; which is a savings of \$6.81 per DTH compared to propane.

OR

Divide 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 2017, 12 month average CGC Rate including all fees was \$9.57, so the break-even cost per gallon of propane would be 88¢ per gallon ($\$9.57 / 10.917$). If your propane price is higher than 88¢ per gallon, natural gas is the way to go!

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