

**GAS BURNING APPLIANCE**  
**COST PER HOUR CALCULATION**

**LP**

1 gallon weighs 4.24 lbs.  
1 gallon produces approximately 91,500 BTU  
20 lb tank holds about 4.72 gallons  
4.72 gallons produces about 432,000 BTU

Cost of a gallon in 100 lb and smaller tanks is about \$2.70 here in Dayton. In larger tanks it comes down to about \$2.10 per gallon.

**YOUR COST MAY DIFFER SIGNIFICANTLY FROM THESE**

At \$2.70 the cost per 1,000 BTU is \$.0295 (less than 3¢)  
“ “ 10,000 BTU is \$.295 (less than 30¢)  
“ “ 91,500 BTU is \$2.6992 (less than \$2.70)

At \$2.10 the cost per 1,000 BTU is \$.0229 (less than 2 1/3¢)  
“ “ 10,000 BTU is \$.229 (less than 23¢)  
“ “ 91,500 BTU is \$2.095 (\$2.10)

**YOUR COSTS MAY DIFFER SIGNIFICANTLY FROM THESE**

To calculate:

- 1) Divide the cost per gallon by the number of BTU produced by a gallon. This will give you the cost for 1 BTU
- 2) Multiply this result by 10,000 to get the cost per 10,000 BTU.
- 3) To determine the cost per hour – Multiply the cost for 10,000 BTU by the number of 10,000 BTU segments there are in the BTU rating of your appliance.

Example: A 90,000 BTU appliance has 9. Multiply the 10,000 BTU cost by 9.  
A 150,000 BTU appliance has 15. Multiply the 10,000 BTU cost by 15.

	<u>At \$2.70 Cost</u>	<u>At \$2.10 Cost</u>
90,000 BTU system	\$2.65	\$2.06
150,000 BTU system	\$4.42	\$3.43
270,000 BTU system	\$7.96	\$6.18
415,000 BTU system	\$12.24	\$9.50