



SAVINGS CALCULATOR

Estimated Cost Savings for Converting from Purchased Steam to Natural Gas

Using this calculator:

- 1 Insert the number of pounds (per thousand pounds, mlbs) of steam that you use annually
- 2 Insert the \$ per thousand pounds (mlbs) of steam that you pay (total cost/total mlbs)

| | STEAM | vs. | NATURAL GAS |
|--|-------------------|-----|--------------------------------|
| Quantity | # mlbs of steam | | Equivalent gas Dth |
| Steam used annually in mlbs | 1 → | | |
| Cost Per Thousand Pounds - Steam | \$ per mlbs steam | | \$ per Dth gas |
| Steam Rate, \$ per thousand pounds | 2 → | | |
| Natural Gas Interruptible Transportation Rate (\$/mcf) | | | \$ |
| Annual Cost | Cost of steam | | Equivalent cost of natural gas |
| Total | \$ | | \$ |
| Cost Comparison | | | Estimated Savings: |
| Estimated Savings Converting to Natural Gas | | | \$ |

Assumptions:

1. Btu value per thousand pounds (mlbs) of steam _____
2. Btu value per thousand cubic foot (mcf) of natural gas _____
3. Steam rate = annual cost/annual use, this will give you your total cost for an mlbs of steam.

Notes:

- » This is a Natural Gas Fuel Cost Comparison. A conservative system efficiency of 80% is used to estimate the natural gas equivalent.
- » Natural Gas rate is based on 2014 average Interruptible pricing estimate of \$8.00.
- » For a more detailed analysis of your individual project, please call PGW at 267-249-7580 for information.