

SUPPLEMENTAL FACT SHEET

CLEANEST

- In the home
 - › No pellet dust
 - › No wood debris
 - › No ashes to sweep up
- Natural gas is one of the cleanest burning alternative fuels
 - › www.eere.energy.gov/afdc/altfuel/gas_benefits.html
- Natural gas is the least carbon-intensive fossil fuel (relates to CO₂ emissions)
 - › Energy Information Administration, preliminary estimate for 2004
 - › www.eia.doe.gov
- Emissions from NG rose 0.1% in 2004, compared to 0.3% from coal
 - › **U.S. Carbon Dioxide Emissions from Energy Sources 2004 Flash Estimate**
 - › www.eia.doe.gov



MOST ECONOMICAL - NATIONAL AVERAGE RESIDENTIAL YTD SEPTEMBER 2005

- Cost per million Btu “Usable Heat”
 - › Natural Gas - \$15.33 (\$1.15/therm) (75% efficiency)
 - › Firewood - \$16.67 (\$200/cord) (60% efficiency)
 - › Wood Pellets - \$17.62 (\$185/ton) (75% efficiency)
 - › LP - \$25.07 (\$1.73/gallon) (75% efficiency)
 - › Electricity - \$27.94 (\$0.096/kWh) (95% efficiency)
- Cost to run a pilot for one month - \$11.39
 - › Based on NG national average year-to-date residential prices as of September 2005
 - › Assumes pilot consumption of 1,375 Btu/hour
- Cost to run a fireplace for one hour - \$0.345
 - › Assumes 30,000 Btu/hour input, natural gas fireplace on high
 - › Based on NG national average year-to-date residential prices as of September 2005
 - › $\frac{\text{Btu/hour input}}{100,000} \times \text{Price per therm}$
- Compare fuels at www.pelletheat.org/3/residential/compareFuel.cfm
- Find fuel costs at:
 - › Natural Gas - Energy Information Administration / Natural Gas Monthly September 2005
 - › www.eia.doe.gov
 - › Firewood - Associated Press; Duluth, MN - September 2005
 - › news.minnesota.publicradio.org/features/2005/10/04_kelleherb_woodheat/
 - › Wood Pellets - Hardwood (Midwest, Mills Fleet Farm; October 1, 2005)
 - › www.askthebuilder.com/485_Rising_Heating_Costs_Trigger_Alternative_Heat_Options.shtml
 - › LP - Energy Information Administration / Petroleum Marketing Monthly October 2005
 - › www.eia.doe.gov
 - › Electricity - Energy Information Administration / www.eia.de.gov/neic/quickelectric.htm
- Reduce energy usage by replacing an inefficient open-hearth, wood-burning, masonry fireplace with an airtight insert
- “Heating & cooling your home uses more energy and drains more energy dollars than any other system in your home. Typically, 56% of your utility bill goes for heating and cooling...save money and increase your comfort by properly maintaining and upgrading your equipment.”
 - › **Energy Saver\$, Tips on Saving Energy & Money at Home**, U.S. DOE, September 2005
 - › www.eere.energy.govconsumers/tips/

EASIEST

- With natural gas piped directly into your home, you need not worry about missed LP deliveries or electrical outages (wood to chop & store or pellet bags to carry)
 - › Source: “Top Ten Reasons Natural Gas is Your Best Energy Source”
 - › www.centerpointenergy.com/heritage/residential/topten.asp
- No labor involved – chopping wood, hauling and storing fuel
- Conveniently operated at the push of a button
 - › Wall control
 - › Remote control

HEAT WHERE YOU LIVE – ZONE HEATING

- Heat where you want it, when you want it
- Homeowners spend eighty percent of their time in twenty percent of their home
- A fireplace used to heat the room(s) used most often, can reduce the use of the central furnace
- A 40,000 Btu/hour input DV gas fireplace with heat zone kit(s) can move as much as two-thirds its heat to rooms that also need the heat

BEAUTIFUL, REALISTIC FIRE

- “A natural gas fireplace offers a realistic, virtually maintenance-free alternative with the added convenience of remote control.”
 - › New England Gas Company – Customer Handbook, p. 17
 - › www.negasco.com