

Energy-Efficient Heating Options

high-efficiency **GAS FURNACE**

- *Upgrading your furnace from 70% to 90% efficiency in an average house will save more than 1 ton of carbon dioxide emissions each year*
- *Efficiencies can run as high as 97% AFUE*
- *By improving the efficiency of your home's envelope (air and duct sealing, insulation) will improve your furnace's performance and increase your return on investment (ROI)*



MINIMUM EFFICIENCY STANDARD TO QUALIFY FOR FEDERAL TAX CREDITS				
Natural Gas Furnace				95% AFUE
Propane Furnace				95% AFUE
ROI CALCULATIONS FOR FURNACES				
Payback Time in Years	Added Cost	Annual Savings	10-Year Savings	Annual ROI
3.8	\$1145	\$300	\$3000	26.2%

dual-fuel gas/electric **HEAT PUMP**



- *An electric heat pump and gas furnace all in one*
- *Uses electric heat pump to heat your home above freezing temps; gas furnace kicks on when outside temps get too low*

MINIMUM EFFICIENCY STANDARD TO QUALIFY FOR FEDERAL TAX CREDITS				
Dual-Fuel Heat Pumps	14.5 SEER	12 EER	8.2 HSPF	
Plus must have ENERGY STAR qualified dual-fuel back up				
ROI FOR DUAL-FUEL HEAT PUMPS				
Payback Time in Years	Added Cost	Annual Savings	10-Year Savings	Annual ROI
5	\$1000	\$200	\$2000	20%

The Annualized Fuel Utilization Efficiency, is the ratio of the total useful heat your gas furnace delivers to your house to the heat value of the fuel it consumes. 2011 federal tax credits are limited to 10% of costs (up to \$500) with certain provisions and exceptions; check with your tax professional for guidance on all tax matters. ROI calculations are based on saving \$75 a month over 4 months of the heating season. The calculations come from GreenandSave.com, and are based on comprehensive local and national research and a combination of reports from the U.S. Department of Energy, the EPA, ENERGY STAR® for Homes Program, US Green Building Council's LEED for Homes Program, American Council for an Energy-Efficient Economy (ACEEE), International Energy Conservation Code, PLUS information directly from University Studies, Architects, Manufacturer Specifications, Distributors, seasoned Builders and Installers, and Homeowners with actual Performance Feedback.



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