

Electric rate: 5.7¢/kWh Dual Fuel/Storage Water Heating 6.1¢/kWh Dual Fuel only

Combine two heating sources to best fit your budget and tailor your energy investment to meet your heating needs. East Central Energy's Dual Fuel programs offer the option to incorporate a low-cost electric heat source with an alternate heating system.

In a dual fuel heating system, an electric heat source, such as baseboard heat, is used in conjunction with fuel oil, natural gas, propane or electric storage heat as the back-up heating system.

Dual Fuel is a "controlled" electric heating program, which helps save money and conserve energy. When demand for electricity is high, the electric heat source is shut off, or controlled (up to a maximum of 400 hours per heating season) with a maximum continuous control time of 12 hours. During control periods, your home's back-up heating system provides the heat you need.

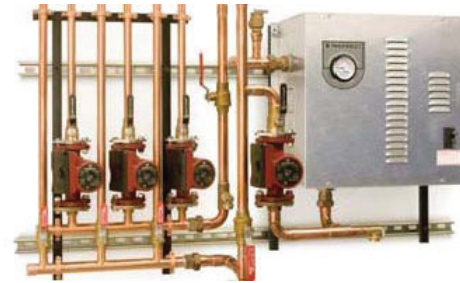
Program requirements:

- Any permanently hard-wired electric resistance heating system, combined with an automatic alternate heat source, qualifies for the Dual Fuel rate.
- Wood heating does not qualify as a backup heat source for the Dual Fuel program.
- The back-up heat source must be able to heat your entire home's conditioned living space.

Plenum heaters are installed with gas or oil furnaces to qualify for the Dual Fuel rate.



Courtesy Electro Industries



Electric boilers heat the in-floor tubing or hot water baseboards.

Home heating cost comparison

Propane	5.7¢/kWh DF/SWH	6.1¢/kWh Dual Fuel only
70% efficient standard unit	Equivalent to \$1.07/gal. propane	Equivalent to \$1.14/gal. propane
90% efficient high-efficiency unit	Equivalent to \$1.38/gal. propane	Equivalent to \$1.47/gal. propane
Natural Gas	5.7¢/kWh DF/SWH	6.1¢/kWh Dual Fuel only
70% efficient standard unit	Equivalent to \$1.17/gal. natural gas	Equivalent to \$1.25/therm natural gas
90% efficient high-efficiency unit	Equivalent to \$1.50/gal. natural gas	Equivalent to \$1.61/therm natural gas

Reduced rates do not reflect any variable wholesale power cost adjustment that may be required. Rates are subject to change.

Ask our trusted energy advisors for ideas about electric heating options to take advantage of the flexibility of the Dual Fuel program. Call today or visit eastcentralenergy.com for more information.

Electric heat is a great deal!

Compare the facts. With ECE's off-peak rates, electric heat can be more economical than other fuel sources. And because there's no flame or danger of harmful fumes, electric heat is the safest heating option available.

Annual fuel cost comparison

System	Efficiency	Energy	Unit cost	Annual Heating Cost
Ground source heat pump on residential rate	350%	7,550 kwh	\$0.115/kwh	\$868
Electric thermal storage on ES rate	100%	26,255 kwh	\$0.053/kwh	\$1,392
Conventional electric system on dual fuel/storage water heating rate	100%	26,255 kwh	\$0.057/kwh	\$1,497
Conventional electric system on dual fuel only rate	100%	26,255 kwh	\$0.061/kwh	\$1,602
LP gas furnace LP gas/air source heat pump	90%	1,067 gal* 534 gal/6,556 kwh	\$2.00/gal \$0.074/kwh	\$2,134 \$1,552**
Oil furnace	85%	763 gal*	\$3.00/gal	\$2,289
Natural gas Natural gas/air source heat pump	90%	995 therms* 498 therms/6,556 kwh	\$1.10/therm \$0.074/kwh	\$1,095 \$1,033**

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* to determine a more accurate heating cost, multiply the energy number shown by the unit cost that you are currently charged for your fuel.

** Air source heat pump is rated at 200% efficiency, and is calculated to provide 50% of the heating energy.

Annual energy use based on heating a 1600 sq. ft. (32'x 50') home with R=19 walls and R=44 ceiling including an insulated lower level requiring 89,506,000 BTUs heat energy annually.