



Enjoy cozy, warm floors with slab heating, an energy-efficient heating option for your home.

### Slab heating options include:

#### 5.3¢/kWh Storage rate

- Electric heating panels, mats or cables are installed in soil or sand under the concrete slab. The ground underneath becomes an efficient, large mass of thermal energy that is only released when the area above becomes cooler, so there is no wasted energy.
- A storage boiler installed in conjunction with a standard in-floor hydronic tubing system can also be utilized on this program.
- On the storage rate, the system is allowed to "charge" for the eight-hour off-peak period only, so the output rating of the system must be sized accordingly, and a storage medium of sand, brick or water is required.
- \$25/kw rebate for qualifying Storage Space Heating systems, installed in 2012.

#### 5.7¢/kWh Dual Fuel/Storage Water Heating rate

#### 6.1¢/kWh Dual Fuel only rate

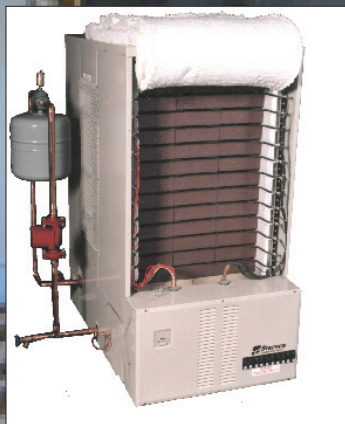
- A standard electric boiler system installed in conjunction with in-floor tubing is utilized for the Dual Fuel option. The boiler output would be sized the same as any other standard electric heating system.
- On the Dual Fuel rate, the boiler would be able to operate at all times except for interruption due to high demand for electricity, or system emergencies. The boiler can be interrupted for up to 12 hours per day and 400 hours per heating season. Because the boiler can be shut off, an automatic backup system is required to provide an adequate heat source during the period of interruption.

*For whole-house Storage Space Heating systems, members may be eligible for 0-2.99% financing up to 10 years, maximum loan amount of \$25,000. Contact Center for Energy and Environment at 855-335-5835 for details.*

### Home heating cost comparison

Propane	5.3¢/kWh off-peak	5.7¢/kWh DF/SWH	6.1¢/kWh Dual Fuel only
70% efficient standard unit	Equivalent to 99 cents/gal. propane	Equivalent to \$1.07/gal. propane	Equivalent to \$1.14/gal. propane
90% efficient high-efficiency unit	Equivalent to \$1.28/gal. propane	Equivalent to \$1.38/gal. propane	Equivalent to \$1.47/gal. propane
Natural Gas	5.3¢/kWh off-peak	5.7¢/kWh DF/SWH	6.1¢/kWh Dual Fuel only
70% efficient standard unit	Equivalent to \$1.09/therm natural gas	Equivalent to \$1.17/gal. natural gas	Equivalent to \$1.25/therm natural gas
90% efficient high-efficiency unit	Equivalent to \$1.40/therm natural gas	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.*



Call your East Central Energy trusted energy advisors or visit [eastcentralenergy.com](http://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**

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

\* 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.