

ENERGY WISE

Water heating options



Water heating can account for 14–25% of your energy use. To conserve hot water, you can fix leaks, install low-flow fixtures, and purchase an energy-efficient dishwasher and clothes washer. In addition, you can reduce your monthly water heating bills by selecting the appropriate water heater and by using energy-efficient water heating strategies.

ELECTRIC WATER HEATING

Off-peak water heating

Electric rate: 5.3¢/kWh

The off-peak water heating program allows you to heat your water for eight hours during off-peak overnight hours. The water heating system has sufficient storage capacity to supply your hot water needs during the 16-hour on-peak period. It's safe. No flames, no flues, no backdrafts and no carbon monoxide.

For Storage Water Heating programs, a minimum 80-gallon water heater with mixing valve is required for a family of four or less, while larger families require more capacity.

Storage Water Heating minimum sizing recommendations	
Family size	Storage Water Heating Requirements
1-4	80-100 gallons and mixing valve
5-7	100-160 gallons
8-9	200 gallons minimum

Save energy dollars

The off-peak rate of 5.3 cents/kilowatt-hour for water heating is comparable to a propane rate as low as \$1.01 per gallon or \$1.10 per/therm of natural gas.

\$\$\$	5.3¢/kWh off-peak rate 90% efficient Based on 500 kWh/month	Propane @ \$2.00/gallon 60% efficient Based on 23 gallons used/month
Monthly operating expense (family of four)	\$22.60	\$45.50
Average annual expense (family of four)	\$271.00	\$546.00

Water heating cost comparison	
Propane	5.3¢/kWh electricity
60% Efficient standard unit	Equivalent to 94 cents/gal. propane
64% Efficient high-efficiency unit	Equivalent to \$1.01/gal. propane
Natural Gas	5.3¢/kWh electricity
60% Efficient standard unit	Equivalent to \$1.02/therm natural gas
64% Efficient high-efficiency unit	Equivalent to \$1.10/therm natural gas

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



East Central Energy
Your Touchstone Energy® Cooperative

Reduce your monthly water heating bills by using energy-efficient water heating strategies



REBATES*

Rebates up to \$700 for high-efficiency electric storage water heaters. Must be on off-peak program to be eligible.

LIFETIME
WARRANTY

0%
Financing
may be
available



CONTACT US

To save energy and money, call your ECE energy expert at 1.800.254.7944 or visit eastcentralenergy.com.

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