

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.



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



REBATES*

Rebates up to \$500 for high-efficiency electric storage water heaters (80 gallon capacity minimum). Call for details and requirements. Must be on off-peak program to be eligible.



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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