

# Off-Peak Electric Water Heating Fuel Cost Comparison

**How to Use this Form:** Each line represents the break-even point for the three (3) energy sources. For example, the break-even point for an electric water heater with a 63% energy efficiency rating that heats at a cost of 5.5¢ per kilowatt-hour is the same as operating a propane water heater with a 63% energy efficiency rating at a cost of \$1.04 per gallon. Paying more than \$1.04 per gallon for propane means heating with off-peak electric at 5.5¢ per kilowatt-hour is more economical.

## Winter Storage Rate

Break Even Points			
Electric Rate/kWh*	Gas WH Efficiency**	L.P. Gas/Gallon	Natural Gas/Therm
5.5¢	57%	94¢	\$1.02
5.5¢	60%	99¢	\$1.07
5.5¢	63%	\$1.04	\$1.13

## Winter Dual-Fuel Rate

Break Even Points			
Electric Rate/kWh*	Gas WH Efficiency**	L.P. Gas/Gallon	Natural Gas/Therm
6.3¢	57%	\$1.08	\$1.17
6.3¢	60%	\$1.13	\$1.23
6.3¢	63%	\$1.19	\$1.29

\*Cost reflects the per kilowatt-hour energy charge. It does not include any applicable Power Cost Adjustment. Electric water heater used for comparison purposes is 90% efficient and is model data for 120-gallon water heater as contained in GAMA publication.

\*\*Data on gas water heater efficiencies is from Gas Appliance Manufacturers Association (GAMA) listing.