

# Electric Usage in Your Home



ENERGY SOLUTIONS FOR THE HOME

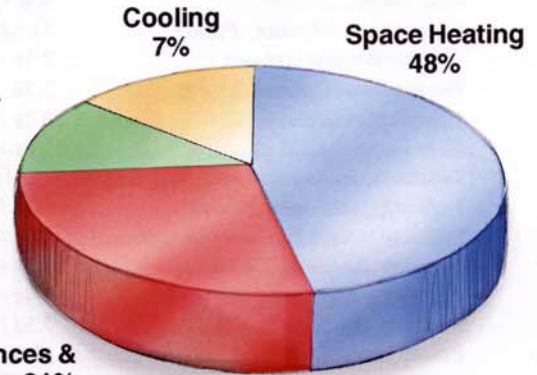
## THERE ARE MANY WAYS YOU DEPEND ON ELECTRICITY

As your electric supplier, we've developed this brochure to help you determine your electric usage. We hope this will help you use your electricity as efficiently as possible.

This graph shows how energy is used in an average home with four family members. Your use may vary depending on your lifestyle, the size of your family and the size, age and efficiency of your appliances. The amount used also varies with the weather and the amount of insulation in your home's walls and ceiling.

Appliances that are manufactured today are typically much more efficient. As appliances age, their efficiency decreases. Knowing the age and life expectancy of your electric appliances can help you understand your electrical use.

Water heating 14%



Appliances & Lighting 31%

### AVERAGE LIFE EXPECTANCY IN YEARS

Clothes Washer .....	8-10
Clothes Dryer .....	14
Dishwasher .....	11
Electric Range .....	12
Electric Water Heater .....	10-12
Freezer .....	15-20
Refrigerator .....	15
Television .....	11-12

### REPLACEMENT

If your appliances are at or nearing the end of their expected life, you may plan ahead. When replacing old appliances pay particular attention to energy efficiency. In most cases, the energy-efficient choice will save you money.

(Name of Corporation)  
Model(s) AH503, AH504, AH507  
Type of Defrost: Full Automatic

Refrigerator-Freezer  
Capacity: 18.6 Cubic Feet

## ENERGYGUIDE

Estimates on the scale are based on a national average electric rate of 6.75¢ per kilowatt hour.

\$70

Model with highest energy cost \$124

THIS MODEL

Estimated yearly energy cost

Your cost will vary depending on your local energy rate and how you use the product. The energy cost is based on U.S. Government standard tests.

Yearly cost	
Estimated yearly \$ cost shown below	
Cost per kilowatt hour	2¢
	4¢
	6¢
	8¢
	10¢
	12¢

Ask your salesperson or local utility for the energy rate (cost per kilowatt hour) in your area.

**Important** Removal of this label before consumer purchase is a violation of federal law (42 U.S.C. 6302)



### LOOK FOR THE ENERGYGUIDE LABEL

To promote conservation, the Federal Government requires manufacturers of large appliances to display energy information. The ENERGYGUIDE is designed to assist you in deciding what appliance would be less expensive to operate over the lifetime of the appliance.

These figures are based on an electric price of 7.5¢ per kWh

HOUSEHOLD	COST/PERIOD
Auto engine heater (500 watt) .....	3.8¢ / hour
Aquarium 30 gallon .....	\$3.38 / month
Clock .....	15¢ / month
Curling Iron .....	1.2¢ / hour
Battery Charger (car) .....	17.3¢ / month
Bug Zapper .....	90¢ / month
Computer w/Monitor, Printer .....	71.5¢ / week
Electric Blanket (125 watt) .....	7.5¢ / 8 hours
Garage Door Opener .....	2.3¢ / hour
Hair Dryer (hand held) .....	9.2¢ / hour
Heat Lamp .....	1.9¢ / hour
Jacuzzi (maintain temperature) .....	15¢ / hour
Lighting (incandescent) 75 watt .....	5.7¢ / 10 hours
Lighting (compact fluorescent) 18 watt .....	1.3¢ / 10 hours
Lighting (fluorescent) 4'40 watt .....	3.0¢ / 10 hours
Lighting (outdoor flood) 125 watt .....	9.4¢ / 10 hours
Motor (1 HP) .....	7.5¢ / hour
Power Tools (circular saw) .....	13.5¢ / hour
Radio .....	6.8¢ / hour
Satellite Dish (incl. receiver) .....	\$4.94 / month
Stereo .....	5.8¢ / hour
Television (color, solid state) .....	7.5¢ / 10 hours
VCR .....	2.0¢ / 10 hours
Waterbed Heater (300 watt) .....	\$8.10 / month

SPACE CONDITIONING	COST/PERIOD
Air Conditioner (12,000 BTU, window) 8 SEER ..	\$22.50 / month
Air Conditioner (36,000 BTU, central) 10 SEER ..	\$54.00 / month
Dehumidifier (20 pints, summer) .....	\$12.15 / month
Heater (portable) 1500 watt .....	11.3¢ / hour
Heating System (blower) .....	\$6.74 / month
Heat tape (30 ft., 6 watts per foot) .....	\$9.72 / month
Humidifier (winter) .....	\$2.16 / month
Fan (attic) .....	\$2.14 / month
Fan (ceiling, lights off) .....	7.5¢ / 10 hours

KITCHEN	COST/PERIOD
Bread Machine .....	5.8¢ / loaf
Coffee Maker (auto drip) .....	2.1¢ / brew
Convection Oven .....	7.5¢ / hour
Dishwasher .....	18.5¢ / load
Freezer (man. defrost, 15 cu. ft.) 1975 .....	\$4.50 / month
Freezer (man. defrost, 15 cu. ft.) 1995 .....	\$3.00 / month
Fry Pan .....	8.1¢ / hour
Microwave Oven .....	11.6¢ / hour
Range (oven) .....	10.4¢ / hours
Range (self cleaning cycle) .....	45¢ / cleaning
Refrigerator (frost-free, 21.5 cu. ft.) 1975 .....	\$11.24 / month
Refrigerator (frost-free, 21.5 cu. ft.) 1995 .....	\$4.50 / month

**Operating cost per hour can be estimated if you know:**

1. Wattage of the appliance
2. Cost of electricity (cost per KWh)

**To estimate the number of kWh (units of electricity used in one hour) first determine:**

1. The wattage of the appliance from its nameplate
2. Apply the following formula:

$$\frac{\text{Wattage}}{1000} \times 1(\text{hour}) = \text{kWh} \quad (\text{units of electricity used per hour})$$

**To figure operating cost per hour:**

kWh (units used) x Cost/KWh = Cost/hour

LAUNDRY	COST/PERIOD
Clothes Dryer .....	38¢ / load
Clothes Washer (cold/cold) .....	2.3¢ / load
Clothes Washer (warm/cold) .....	10.4¢ / load
Clothes Washer (hot/warm) .....	27.7¢ / load
Iron .....	7.5¢ / hour

**To determine average cost per kWh from your electric bill:**

**EXAMPLE:**  $\frac{(\text{bill}) \$56.25}{(\text{KWh}) 750} = \$0.075 \text{ per KWh}$

Cost per KWh 7.5¢

**EXAMPLE: 1500 WATT HEATER**  
Electricity used per hour

$$\frac{1500}{1000} \times 1(\text{hour}) = 1.5 \text{ Kwh}$$

Cost per hour of operation:

**1.5 KWh x 7.5¢ per KWh = 11.25 (cents per hour)**

