

Heating & Cooling (Co-op Preferred Systems) Monthly Cost

These systems offer lower rates when equipped with a load control receiver (LCR) and enrolled as part of co-op's load control program.

Electric Thermal Storage Units

(store heat created off-peak for use during on-peak periods)

- 4.5 kilowatt - unit \$31.50
- 6.0 kilowatt - unit \$41.99

Geothermal Heat Pump (heating and cooling, no LCR installed) \$52.58

Heat Pump Plus (heating and cooling, air-source heat pump teamed with electric thermal storage) \$43.33

Water Heating Monthly Cost

Water Heater
(Over 70 gallons, less than 5 years old, below 130°F, no load control receiver installed)
- 3 people in house \$47.58

Water Heater
(With load control receiver installed, receive up to a \$5 credit on electric bill)
- 3 people in house \$42.58

Home Office & Miscellaneous Appliances Monthly Cost

Air Cleaner \$.75
Computer in Use \$4.33
Computer in Sleep Mode \$3.08
Computer's Total Cost \$7.41
Printers-Ink Jet (Small) \$.58
Laser Printer (Small) \$4.50
Multi-Function (printer/scan/copy/fax) \$.33

Lighting Monthly Cost

Compact Fluorescent \$.05
Fluorescent Standard Ballast \$.05
Fluorescent High-Efficiency Ballast \$.05
Fluorescent Electronic Ballast \$.05
Incandescent \$.09
Halogen \$.42
Halogen Low Voltage \$.05

How to calculate your own appliance use

If an appliance does not appear on this list, you can still calculate its use and cost of operation in kilowatt-hours (kwh).

Take the wattage of the appliance (listed on the serial plate). If wattage is not listed, multiply the amperage (amps) by the voltage (volts) to get the watts.

Multiply the watts by the hours you use the appliance each month, and then divide by 1,000 to arrive at the kwh of use.

For example, a TV used eight hours a day would have 240 hours of use during the average 30-day month. If the wattage of the TV is 110, multiply the 240 hours times 110, to arrive at an average monthly use of 26,400 watts. Divide this number by 1,000 and you have 26.4 kwh. Multiply 26.4 times \$.09 (the average price per kwh) to arrive at \$2.38, the average cost to operate the TV during any given month.



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Your Kilowatt- Hours



What Home Appliances Cost to Operate

What Your Home Appliances Cost to Operate

How to use this brochure

Use this brochure to determine the approximate energy use and operating cost of most home appliances.

With the exception of the *Heating & Cooling, Co-op Preferred Systems* section, the information for this brochure was taken from the "Energy Calculator" part of the Energy Depot, an online energy audit program on Adams Electric's Website (www.adamsec.coop). Visit the Energy Depot for information on a more comprehensive list of electrical devices and their electrical use.

The online version includes input fields so you can customize the information about a particular electrical device and get more accurate data. The estimated energy consumption and costs in this brochure are based on certain assumptions and average cost data.

The Co-op's Website site includes an extensive library of free energy-saving tips and advice.

Perform a complete home energy audit

The information in this brochure is based on the average monthly electricity consumption for a family of three. Use can vary and your costs may differ based upon a variety of elements, including your lifestyle choices.

For a complete estimate of your home energy consumption and costs, along with valuable energy-saving recommendations, complete the "Energy Profile" analysis that is part of the online energy audit program.



General Appliances (Small Use) Monthly Cost

Clock Radio, Curling Iron, Electric Shaver, Electric Toothbrush, Heating Pad, Popcorn Popper, Food Processor, Sewing Machine, Sun Lamp	\$.09
Blender, Block Heater, Crock Pot, Deep Fryer, Electric Blanket, Electric Mixer, Garbage Disposal, Hot Plate, Humidifier, Stereo, Trash Compactor	\$.25

General Appliances (Larger Use) Monthly Cost

Broiler	\$.42
Car Warmer	\$.33
Coffee Maker	\$.33
TV 27" CRT	\$2.59
TV 42" LCD	\$5.50
TV 42" Plasma	\$6.83
TV (small) CRT	\$1.08
DVD Player	\$.42
Electric Frying Pan	\$.42
Electric Lawn Mower	\$1.58
Hair Dryer	\$.84
Iron	\$.84
Microwave Oven	\$.42
Roaster	\$.42
Toaster	\$.42
Toaster Oven	\$.92
Trash Compactor	\$.34
Vacuum Cleaner	\$.33
Waffle Iron	\$.42
Water Bed	\$2.75

Kitchen/Laundry Major Appliances Monthly Cost

Chest Freezer (large, 14-20 cubic feet)	\$4.17
Chest Freezer (small)	\$5.83
Clothes Dryer	\$7.00
Clothes Washer	\$1.00
Dishwasher	\$2.08
Refrigerator/Freezer (large, 22 cubic feet or more)	\$5.08
Refrigerator (small)	\$3.25
Range, Oven (self-cleaning)	\$4.61
Range, Small Burner	\$1.00

Heating & Cooling Monthly Cost

Air Conditioning, Central (2-ton, less than 5 years old, average house insulation)	\$59.00
Air Conditioning, Window (12,000 BTU, less than 5 years old, average house insulation)	\$19.00
Dehumidifier	\$1.50
Electric Heating (central furnace)	\$115.64
Electric Heating (single baseboard room unit)	10.06
Fans	
Attic	\$.75
Ceiling	\$1.08
Floor/Portable	\$.41
Electric Blanket	\$.33
Electric Heater, Portable	\$2.75
Heat Pump (heating)	\$75.00
Heat Pump (cooling)	\$35.00