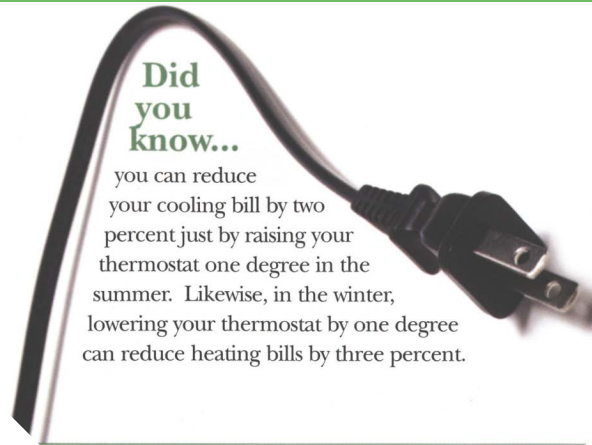


Refrigeration

	Wattage	Cost per hour
Refrigerator-Freezer (24 cu. ft. frost free)	810	0.06
Refrigerator-Freezer (24 cu. ft. manual defrost)	720	0.06
Refrigerator-Freezer (26 cu. ft. side by side frost free)	1,020	0.08
Freezer (24 cu. ft. frost free)	845	0.07
Freezer (24 cu. ft. manual defrost)	845	0.07

Kitchen Appliances

	Wattage	Cost per hour
Range: (self-cleaning)	2,260	0.18
Coffee Maker	900	0.07
Microwave	1,450	0.11
Slow Cooker	200	0.02
Garbage Disposal	700	0.06
Toaster	1,150	0.09
Deep Fat Fryer	1,450	0.11
Toaster Oven	1,440	0.11



Did you know...
you can reduce your cooling bill by two percent just by raising your thermostat one degree in the summer. Likewise, in the winter, lowering your thermostat by one degree can reduce heating bills by three percent.

Home Entertainment

	Wattage	Cost per hour
Radio	70	0.01
Component System	500	0.04
Televisions		
36"	133	0.01
50" plasma	550	0.04

NOTE: Instant-on TVs consume 75% of the total wattage when not in use. TVs labeled with the ENERGYSTAR logo require (3) watts or less of power when turned off, while traditional models use as much as (12) watts when turned off.

Home Office

	Wattage	Cost per hour
Personal Computer	100	0.01
Color Monitor	150	0.01
Fax Machine	105	0.01
Inkjet Printer	35 (less than)	0.01
Laser Printer	400	0.03

Miscellaneous

	Wattage	Cost per hour
Garage Door Opener	800	0.06
Vacuum Cleaner	630	0.05
Dehumidifier	390	0.03

Outside & On the Farm

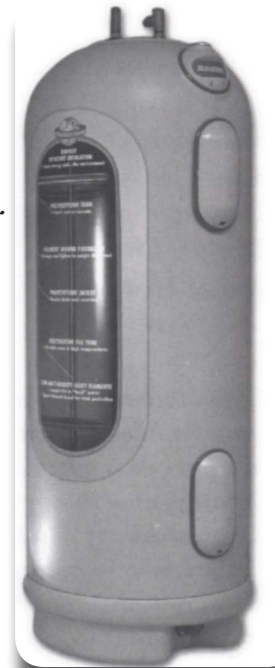
	Wattage	Cost per hour
Water Pump 1.5 hp (746 watts per hp)	1,120	0.09
Stock Tank Heater	1,500	0.12
Heat Lamp	250	0.02
Livestock Fencer	100	0.01
Engine Block Heater	800	0.06
Security Light		
Swimming Pool.	90	0.01
Filter Pump		
Sweep Pump	1,800	0.14
	900	0.07

Water Heating, Laundry & Cleaning

Water Heater	Cost Monthly
2 people	\$23.70
4 people	\$39.50

Rule used to calculate hot water cost:
100 kWh/person + 100 kWh per month to keep water heated

	Wattage	Cost per hour
Dishwasher		
cold water	1,440	0.11
hot water	2,500	0.20
Clothes Washer (per load)		
cold water	500	0.04
hot water	1,650	0.13
Clothes Dryer	5,000	0.40



What Is a Kilowatt-hour?

We pay for electricity in kilowatt-hours (kWhs). One kilowatt is equivalent to 1,000 watts. When we consume 1,000 watts or 1 kilowatt of electricity for of one hour, we have used one kilowatt hour. An example of consuming one kilowatt hour is leaving 10-100-watt light bulbs on for one hour. When kilowatt hours add up electric bills can become expensive.

Calculating Costs

Calculating the cost to run an appliance can be done by knowing the wattage that the product uses. Here is a simple formula to calculate cost: **Appliance wattage x 1 hour/1000 (.001) = kilowatt hour.** The examples below are calculations using the current Howell-Oregon Electric Cooperative residential rate which is 7.9 cents per kilowatt hour.

Calculations

Personal Computer and Monitor:

$$(270 \text{ watts} \times .001) \times \$0.079 = 2.1 \text{ cents per hour}$$

Electric Space Heater or Zone heater

$$(1500 \text{ watts} \times .001) \times \$0.079 = 11.85 \text{ cents per hour}$$

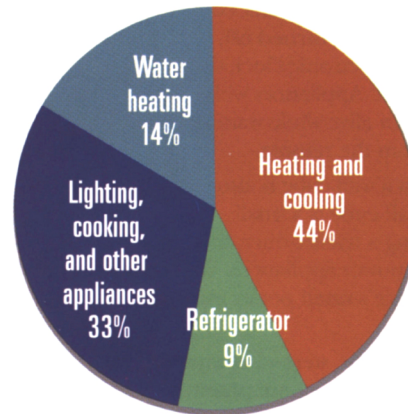
4-100 watt incandescent light bulbs

$$(400 \text{ watts} \times .001) \times \$0.079 = 3.16 \text{ cents per hour}$$

4-20 watt compact flourescent light bulbs

$$(80 \text{ watts} \times .001) \times \$0.079 = .0063 \text{ cents per hour}$$

How We Use Energy In Our Homes



Source:
Energy Savers,
U.S. Department
of Energy, 1998

Installing an energy efficient heating and cooling system in your home is a big step towards reducing your energy bill. Another simple step is the proper planning and installation of weatherization and insulation materials. The U.S. Environmental Protection Agency (EPA) estimates that consumers could save 10-40% on heating and cooling bills with proper sealing and weatherization.

Caulk and weatherstrip to ensure you're not wasting energy by letting heated or cooled air escape to the outdoors. Check current insulation levels and properly insulate a new or existing home according to the U.S. Department of Energy's specifications.

For more information on this and other energy efficiency tips, contact your local electric cooperative.



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Smart Energy Choices



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