

THE COST TO OPERATE APPLIANCES

The table at right shows the average amount of energy used each year by appliances in a typical Chelan County home.

FOR APPLIANCES NOT LISTED HERE

To estimate your kilowatt-hour (KWH) consumption, make this calculation:

$$\text{Wattage} \times \text{Hours Used} \div 1,000 = \text{KWH}$$

Example:

$$100 \text{ watt bulb} \times 10 \text{ hours} = 1,000 \text{ watts}$$

$$1,000 \div 1,000 = 1 \text{ KWH}$$

The average annual cost of a KWH is 2.9¢ for residential customers.

Appliances with thermostat controls, such as ovens and water heaters, do not run continuously. For these appliances, estimate the amount of time the machine operates before making this calculation.

	Watts used	Hours per day	Yearly cost	
kitchen	Coffeemaker	900	10 min	\$1.57
	Dishwasher	1,400	1 hr	\$14.62
	Freezer - upright (new)	440	3 hrs	\$13.78
	Freezer - upright (pre-1991)	350	5 hrs	\$18.27
	Microwave oven	1,100	20 min	\$3.83
	Mixer	125	2 min	\$0.04
	Oven	12,000	1 hr	\$125.28
	Oven - rangetop only	500	2 hrs	\$10.44
	Refrigerator/freezer (manual defrost)	615	6 hrs	\$38.52
	Refrigerator/freezer (auto defrost)	1,270	6 hrs	\$79.55
	Slow cooker	150	3 hrs	\$4.70
Toaster	1,200	2 min	\$0.42	
Toaster oven	1,500	15 min	\$3.92	
bath	Hair dryer	1,200	5 min	\$1.04
	Shower - 10 min. low flow	14,112	10 min	\$24.55
	Shower - 10 min. standard flow	24,192	10 min	\$42.09
laundry	Clothes washer (cold water)	600	20 min	\$2.09
	Clothes dryer	5,600	1 hr	\$58.46
	Iron	1,000	30 min	\$5.22
household	Air conditioner - window	1,000	2 hrs	\$10.44
	Clock	3	24 hrs	\$0.75
	Fan (box)	200	2 hrs	\$2.09
	Furnace - electric	24,000	4 hrs	\$501.12
	Heat pump	12,000	4 hrs	\$250.56
	Heater - baseboard	1,500	4 hrs	\$31.32
	Heater - portable	1,500	4 hrs	\$31.32
	Hot tub heater	3,000	5 hrs	\$156.60
	Hot tub pump	1,000	2 hrs	\$20.88
	Hot water heater	4,500	4 hrs	\$187.92
	Light bulb - compact fluorescent	20	6 hrs	\$1.25
	Light bulb - incandescent	100	2 hrs	\$2.09
	Light bulb - incandescent	60	6 hrs	\$3.76
	Light fixture - fluorescent	129	2 hrs	\$2.69
	Sewing machine	200	1 hr	\$2.09
Vacuum cleaner	1,000	5 min	\$0.87	
Waterbed heater	400	12 hrs	\$50.11	
electronics	Computer	200	2 hrs	\$4.18
	Computer monitor 16" (left on)	98	24 hrs	\$24.55
	Computer monitor 19" (left on)	135	24 hrs	\$33.83
	Radio	8	4 hrs	\$0.33
	Stereo/CD player	50	2 hrs	\$1.04
	Television - 25"	125	4 hrs	\$5.22
	Television - big screen	300	4 hrs	\$12.53