

Approximate Energy Use for Some Appliances

Note: These are approximations. Adjust them as seems appropriate for your family. For example, if you have a large family or use lots of hot water, you might increase the hot water usage. If you have a particularly powerful appliance, or a small model, you might adjust these wattages accordingly. Older appliances tend to use more watts than comparable newer models. You might contact your local utility company to obtain up-to-date estimates of energy use in your area.

Appliance	Approximate Energy Use (Watt-Hours/Hour or /Use)	Appliance	Approximate Energy Use (Watt-Hours/Hour or /Use)
Air conditioner (room)		Iron (hand)	1000
Window / wall	1500	Microwave oven	1000
Central	4500	Mixer	125
Evaporative cooler	500	Oven	1300
Portable fan	250	Range-top burner	1200/burner
Blanket, electric	75/night	Self-cleaning feature	6000/use
Blender	350	Radio, portable	20
Broiler	1500	Refrigerator-freezer	
Clock	2	Manual defrost	3000/day
Clock radio	6	Auto. defrost, 16 cu. ft.	3300/day
Clothes dryer	5000/load	Auto. defrost, 22 cu. ft.	5000/day
Clothes washing machine	250/load (+water)	Stereo components	
Coffee maker	120/use	(most need receiver too)	
Computer	75	MP3 player (+receiver)	15
Dehumidifier	275	CD player (+ receiver)	14
Dishwasher		Receiver / radio	75
Normal cycle	1000/ load (+water)	Sewing machine	75
Energy saver cycle	500/ load (+water)	Shaver	14
Fan		Swimming pool	
Attic	370	Sweep and filter pump	1800
Ceiling	100	+ increased water heating	
Circulating	200	Television	
Portable	250	Color	230
Freezer		DVD player or VCR	25
Auto. defrost, 20 cu. ft.	3800/day	Toaster	75/use
Manual defrost, 22 cu. ft.	2700/day	Toaster oven	500
Frying pan, electric	1000	Toothbrush	7
Hair dryer	1300	Vacuum cleaner	750
Heater (space / air)		Water bed (w/thermostat)	280/day
Baseboard (6')	3000	Waste disposal	450
Heat pump	4000	Other: _____	
Portable	1500	Other: _____	
Wall furnace	10,000		
Central, (w/floor vents)	25,000		

Name _____ Class _____ Date _____

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"Watts" the Cost? Data

Type of home: () Single-family residence () Apartment or condominium () Other: _____

Number of people living in the home: _____ Rate based on bill for the month of: _____

Other pertinent information: _____

Rate calculation: $\frac{\text{cost of electricity}}{\text{kWh used}}$: \$. . = \$. . /kWh

Hourly Use Appliances	Days Used Per Month	x	Hours Per Day	x	kWh Per Hour	x	Average Rate Per kW	=	Cost Per Month
Air conditioner	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Blanket, electric	_____	x	.075kWh/night			x	\$ _____	=	\$ _____
Coffee maker	_____	x	.120 kWh/use			x	\$ _____	=	\$ _____
Compact disc player (+ receiver)	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
DVD player (+TV)	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Hair dryer	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Heater (space / air)*	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Iron, steam	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Microwave oven	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Oven*	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Personal computer	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Radio, portable	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Range top burner (stove) (per burner)*	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Receiver / radio (+CD, turntable, or?)	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Swimming pool filter pump & sweep	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Television	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Toaster oven	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Vacuum cleaner	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Video cassette recorder (VCR) (+TV)	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Other: _____	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
Other: _____	_____	x	_____	x	_____	x	\$ _____	=	\$ _____
*NOTE: Many homes have GAS water heaters, stoves, ovens, and clothes dryers.									
TOTAL FROM THIS SIDE: \$ _____									

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