



Appliance Operating Costs

Appliance	Approx Wattage	Estimated Use	kWh	Avg. Operating Cost/Month
Kitchen				
Blender	450	5 min/day	1	\$ 0.09
Bread maker	430	16 hours/month	7	\$ 0.61
Can opener	125	30 min/month	<1	\$ 0.05
Coffeemaker (10-cup, auto drip)	900	8 hours/day	216	\$ 18.79
Coffeemaker (10-cup, auto drip, with auto shut-off)	900	2 hours/day	54	\$ 4.71
Dishwasher - Energy Star	1500	4 loads/week	24	\$ 2.09
Dishwasher - Non-energy star	Varies	4 loads/week	54	\$ 4.71
Freezer - 20 Cubic Ft, Energy Star	200	Continuous*	40	\$ 3.49
Freezer - 20 Cubic Ft (Older model)	800	Continuous*	160	\$ 13.97
Garbage Disposal	500	10 min/day	<3	\$ 0.26
Microwave Oven	1000	30 min/day	15	\$ 1.30
Mixer	200	2.5 hours/month	<1	\$ 0.07
Oven - Conventional	3500	30 hours/month	105	\$ 9.16
Range - large element	2100	30 min/day	32	\$ 2.79
Range - small element	1600	30 min/day	25	\$ 2.18
Refrigerator - 22 Cubic Ft, Energy Star	500	Continuous*	47	\$ 4.10
Refrigerator - 22 Cubic Ft, Pre-1993, Non-energy Star	800	Continuous*	188	\$ 16.41
Toaster (2-4 slices)	1200	3 min/day	2	\$ 0.17
Toaster Oven	1250	15 min/day	10	\$ 0.87

Bathroom				
Bathtub with jets - does not include hot water	3100	15 hours/month	47	\$ 4.10
Blow Dryer	1875	15 min/day	14	\$ 1.22
Curling Iron / Hair Straightener	85	10 min/day	<1	\$ 0.05
Electric Razor	15	10 min/day	<1	\$ 0.02

Laundry Room				
Clothes Dryer	5000	20 hours/month	100	\$ 8.73
Iron	1200	8 hours/month	10	\$ 0.87
Clothes Washer - 4.2 Cubic Ft, Energy Star (includes hot water)	Varies	6 loads/week	10	\$ 0.87
Clothes Washer - Non-energy Star	Varies	6 loads/week	32	\$ 2.79

CALCULATING THE ENERGY USAGE OF AN APPLIANCE:
 Volts x Amps = Watts
 Watts ÷ 1000 = Kilowatt (kW)
 kW x # of hours used = Kilowatt hour (kWh)

Appliance	Approx Wattage	Estimated Use	kWh	Avg. Operating Cost/Month
Household Items				
Air Cleaner (HEPA filter)	100	10 hours/day	30	\$ 2.62
Air Compressor - 1 horsepower	2000	5 hours/month	10	\$ 0.87
Air Conditioner - Window unit	1100	5 hours/day	165	\$ 14.40
Alarm System	6	Continuous	4	\$ 0.35
Ceiling fan (excluding lights)	40	6 hours/day	7	\$ 0.61
Cell Phone Charger	10	4 hours/day	1	\$ 0.09
Clock Radio	10	1 hour/day	<1	\$ 0.06
Computer-Desktop (with monitor)	300	4 hours/day	36	\$ 3.14
Computer-Laptop (when plugged in)	60	4 hours/day	7	\$ 0.61
DVD/Blu-Ray Player	25	3 hours/day	2	\$ 0.17
Electric air cleaner - on furnace	50	Continuous	36	\$ 3.14
Electric Blanket	175	8 hours/day	42	\$ 3.67
Hot Tub - fiberglass, 300 gallons, 102° F* (Includes pump)	Varies	3 to 4 times/week	321-855	\$ 28.02 - 74.64
Ink Jet Printer	50	4 hours/month	<1	\$ 0.06
Laser Printer	500	4 hours/month	2	\$ 0.17
Light Bulb - Incandescent (60 Watt)	60	6 hours/day	11	\$ 0.96
Light Bulb - CFL (15 Watt)	15	6 hours/day	<3	\$ 0.26
Light Bulb - LED (10 Watt)	10	6 hours/day	2	\$ 0.17
Lighting - Fluorescent T12 (2 tubes per fixture)	88	6 hours/day	16	\$ 1.40
Lighting - Halogen lamp	300	4 hours/day	36	\$ 3.14
Lighting - Exterior - Barn light (Metal Halide)	150	12 hours/day	54	\$ 4.71
Satellite Dish	50	Continuous	9	\$ 0.78
Space Heater	1500	8 hours/day	360	\$ 31.43
Stereo	50	4 hours/day	6	\$ 0.52
TV - 32" LED/LCD	50	6 hours/day	9	\$ 0.78
TV - 42" Plasma	240	6 hours/day	43	\$ 3.75
Vacuum cleaner	960	30 min/week	2	\$ 0.17
Video Game Console (Xbox, Wii, Or Playstation)	40-200	3 hours/day	4-18	\$ 0.35 - 1.57
Water heater - Standard (50-gal)	4500	Continuous*	425	\$ 37.10
Water heater - Heat Pump (50-gal)	1700	Continuous*	142	\$ 12.40
Well Pump	1000	1 hour/day	30	\$ 2.62

*These appliances are controlled by a thermostat and not "on" continuously. All costs are based on the current Grays Harbor PUD residential second tier rate of .085 cents per kilowatt-hour, and are rounded to the nearest cent. Amounts are based on a 30-day month. Appliance wattages and operating costs on this sheet are approximations. The amount of electricity used in your home varies depending on family size and living habits.
 TIP: A heat pump can reduce your heating costs by 30%-50%. A heat pump also gives you the added comfort of air conditioning during the summer. Weatherizing your home can also help to reduce the cost of heating and cooling.

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