

Energy Use Chart

Heating & Cooling

Space heating, electric	Portable heater (1500W)	1.5 kWh per hour	\$0.08 per hour
	Baseboard heater (six foot unit) (250 W/foot)	1.5 kWh per hour	\$0.08 per hour
	Heat Pump w/ heat strips	10 kWh per hour w/fan	\$0.53 per hour
	Electric Furnace	10.5 kWh per hour w/fan	\$0.56 per hour
Heat Pump w/o heat strips (1.8 COP)	1.5 ton	2.93 kWh per hour	\$0.16 per hour
	5.0 ton	9.77 kWh per hour	\$0.52 per hour
Air Conditioning/ Cooling	Window/wall (8kBtu) (120V-12 EER)	0.73 kWh per hour	\$0.04 per hour
	Window/wall (18kBtu) (240V)	1.8 kWh per hour	\$0.10 per hour
	Central (3 ton-12 SEER)	3.0 kWh per hour	\$0.16 per hour
	Whole house fan	0.2-0.4 kWh per hour	\$0.01 - \$0.02 per hour
	Portable fan	0.03 kWh per hour	Less than \$0.01 per hour
	Ceiling fan	0.075 kWh per hour	Less than \$0.01 per hour
Water Heating	Electric water heater	4 kWh per hour	\$0.22 per hour
	Instantaneous (120 v 29 amp) @1gpm 70'F	380 - 500 kWh per month	\$20 - \$26.50 per month
	Instantaneous (240 v 50 amp) @2.5 gpm 83'F	12 kWh per hour	\$0.63 per hour

Kitchen

Range, electric	Oven	2.3 kWh per hour	\$0.12 per hour
	Oven: Surface	1-1.5 kWh per hour	\$0.05 - \$0.08 per hour
	Oven: Self-cleaning feature	6 kWh per hour cleaning	\$0.32 per cleaning
Appliances	Microwave oven	0.12 kWh per 5 min	Less than \$0.01 per 5 min
	Broiler, portable electric	1.5 kWh per hour	\$0.08 per hour
	Coffee maker	0.12 kWh per brew	Less than \$0.01 per brew
	Coffee maker/brew, warmer on	0.4 kWh per hour	\$0.02 per hour
	Dishwasher: normal cycle (not including hot water)	1 - 2.17 kWh per load	\$0.05 - \$0.12 per load
	Dishwasher: Energy saver cycle	0.5 kWh per load	\$0.03 per load
	Toaster (2 slices)	0.04 kWh per use	Less than \$0.01 per use
	Toaster oven	0.75 kWh per hour	\$0.04 per hour
	Waffle iron, 4 servings	0.33 kWh per use	\$0.02 per use
Refrigerator/ Freezer	Refrigerator (frost-free), 15 cu. Ft. (1996 unit)	150 kWh per month	\$7.95 per month
	Freezer (manual defrost), 15 cu. Ft.	90 kWh per month	\$4.77 per month
	Energy Star Refrigerator, 14 cu. Ft.	34.5 kWh per month	\$1.83 per month
	Energy Star Refrigerator (frost-free), 17 cu. Ft.	35 kWh per month	\$1.85 per month
	Energy Star Refrigerator (frost-free), 19 cu. Ft.	46 kWh per month	\$2.44 per month
	Energy Star Refrigerator (Side by Side) 21 cu. Ft.	51 kWh per month	\$2.70 per month
	Energy Star Refrigerator (frost-free) 24 cu. Ft.	54 kWh per month	\$2.86 per month
	Energy Star Refrigerator (Side by Side) 25 cu. Ft.	60 kWh per month	\$3.18 per month

Electronics

Television	32" Plasma	.18 kWh per hour	\$0.01 per hour
	65" Plasma	.39 kWh per hour	\$0.02 per hour
	32" LED/LCD	.06 kWh per hour	\$0.01 per three hours
	65" LED/LCD	.13 kWh per hour	\$0.01 per hour and half
	Apple TV 4K	.006 kWh per hour	\$0.01 per day
Recording/Video Playing Devices	DVD player	.05 kWh per hour	\$0.01 per average movie
	Blu-ray player	.01 kWh per hour	\$0.01 per five movies
Gaming	Nintendo Wii U	*.040 kWh per hour	\$0.01 per five hours
	Xbox One	*.11 kWh per hour	\$0.01 per two hours
	Play Station 4	*.14 kWh per hour	\$0.01 per hour and half
Computers	Desktop Computer	.10-.45 kWh per hour	up to \$0.02 per hour
	Laptop	.05-.1 kWh per hour	up to \$0.01 per two hours
	Monitor - 17" LCD	0.04 kWh per hour	\$0.01 per two hours
Other	Amazon Echo	.003 kWh per hour	less than \$0.01 per day
	Inkjet Printer	.02-.03 kWh per hour	\$0.01 per three hours

Lighting

Incandescent bulbs	Incandescent bulb (40 W)	0.04 kWh per hour	\$0.01 for 5 hours
	Incandescent bulb (60 W)	0.06 kWh per hour	\$0.01 for 3 hours
	Incandescent bulb (75 W)	0.08 kWh per hour	\$0.01 for 2.5 hours
	Incandescent bulb (100 W)	0.1 kWh per hour	\$0.01 per two hours
	Incandescent bulb (150 W)	0.15 kWh per hour	\$0.01 per hour
LED bulbs	LED (60W equivalent)	.008 kWh per hour	\$0.01 for 24 hours
	LED (75W equivalent)	.013 kWh per hour	\$0.01 for 15 hours
	LED (100W equivalent)	.20 kWh per hour	\$0.01 for 10 hours
	LED (150W equivalent)	.28 kWh per hour	\$0.01 per 9 hours
Halogen	Halogen (300 W)	0.3 kWh per hour	\$0.01 per 8 hours

Home

Laundry	Clothes dryer (light load vs. heavy load)	2.5 - 4 kWh per load	\$0.13 - \$0.21 per load
	Warm Wash, cold rinse	2.3 kWh per load	\$0.12 per load
	Hot wash, warm rinse	6.3 kWh per load	\$0.33 per load
Household Goods	Vacuum cleaner	1.5 kWh per hour	\$0.08 per hour
	Iron	1.08 kWh per hour	\$0.06 per hour
	Night light (4w on 12-hours/day)	1.44 kWh per month	\$0.08 per month
	Electric Blanket: Twin	0.5 kWh/night	\$0.03/night
	Electric Blanket: King	1 kW/night	\$0.05/night
	Aquarium	0.05 - 0.5 kWh per hour	\$0.06 - \$0.64 per day
Bathroom	Hair dryer	1.5 kWh per hour	\$0.08 per hour
	Curling iron	0.05 kWh per hour	Less than \$0.01 per hour
	Whirlpool tub	1.5 kWh per hour	\$0.08 per hour
Spa/Hot Tub	Electric heater (1500 W)	1.5 kWh per hour	\$0.08 per hour
	Electric heater (5500 W)	6 kWh per hour	\$0.32 per hour
Medical Equipment	Nebulizer	1 kWh per hour	\$0.05 per hour
	Oxygen Concentrator	0.46 kWh per hour	\$0.02 per hour
	Sleep Apnea Machine (CPAP)	0.4 kWh per hour	\$0.02 per hour
EV Charger	Depending on type	1.6-3.4 kWh per hour	\$0.08-\$0.17 per hour

Estimated energy usage is based on average operation conditions. Individual use may vary.

Estimated costs based on Okanogan County PUD average residential rate of \$0.053 per kWh.

Estimated cost=amount of average wattage/1,000 to reach kWh, then multiplied by \$0.053.

*Gaming consoles use different amounts of energy depending on the type of activity (gaming, streaming, music, etc.)