



Payson City Corporation

Energy-Use Charts Typical Appliance Energy Use and Costs

This fact sheet provides information about the energy use and associated energy costs of common home appliances. The average costs are based on Payson City's rate of \$0.1165 per kWh. Listed wattages are averages; wattage on your individual appliances may vary.

Watts/1000 x hours = Kilowatt-hours (kWh) x rate = cost

For example, an electric wall heater having 200 Watts of power, on continuously for 4 hours, would use 6000 Watt hours of energy, or stated in kilowatt hours, 6 kWh, multiplied by the rate \$0.1165 equals the cost.

$$1500 \text{ watts}/1000 \times 4 \text{ hours} = 6 \text{ kWh} \times 0.1165 = \$0.70$$

Appliance	Watts	Average Hours Used Per Month	kWh Used Per Month	Average Cost Per Month
Heating/Cooling				
Air Conditioner (Central)	6000	90	540	\$ 62.91
Air Conditioner (Window Unit)	1100	90	99	\$ 11.53
Electric Baseboard – 4 foot	1000	150	150	\$ 17.48
Electric Baseboard – 8 foot	2000	150	300	\$ 34.95
Electric Furnace	15000	150	2250	\$262.13
Electric Furnace	10000	150	1500	\$174.75
Electric Portable Space Heater	1500	150	225	\$ 26.21
Electric Wall Heater	1500	150	225	\$ 26.21
Fan – Ceiling	80	150	12	\$ 1.40
Fan – Portable	115	150	17.25	\$ 2.01
Furnace Fan (1/3 HP) Energy Star	375	150	56.25	\$ 6.55
Heat Pump: Standard	5000	150	750	\$ 87.38
Water Heating				
Hot Tub – Electric Heater (240v)	5000	183	915	\$106.60
Hot Tub Pump (Circulation)	1000	183	183	\$ 21.32
Water Heater	4500	75	337.5	\$ 39.32
Lighting				
Fluorescent Lamp	27	150	4.05	\$ 0.47
Flood Light (Exterior)	150	60	9	\$ 1.05
Halogen	300	150	45	\$ 5.24
Incandescent Lamp	100	150	15	\$ 1.75
Small Appliances				
Blender	200	20	4	\$ 0.47
Bread Maker	600	15	9	\$ 1.05
Coffee Maker	1200	12	14	\$ 1.63
Crock Pot	100	20	2	\$ 0.23
Food Dehydrator	875	10	9	\$ 1.05
Food Mixer	150	3	.45	\$ 0.05
Food Processor	360	2	.72	\$ 0.08
Frying Pan (Electric)	1150	10	11	\$ 1.28
Hair Dryer – Hand Held	1500	3.5	5.25	\$ 0.61
Heat Lamp	250	10	2.5	\$ 0.29
Humidifier	60	180	10.8	\$ 1.26
Iron	1000	5	5	\$ 0.58
Rice Cooker	490	4	2	\$ 0.23
Toaster	1000	3	3	\$ 0.35
Vacuum Cleaner	1000	5	5	\$ 0.58

Appliance	Watts	Average Hours Used Per Month	kWh Used Per Month	Average Cost Per Month
Large Appliances				
Bathtub with Jets	75	20	1.5	\$ 0.18
Clothes Dryer - Electric	4600	20	92	\$ 10.72
Clothes Washer Standard (Cold/Cold)	N/A	(20 loads) 10	3.6	\$ 0.42
Clothes Washer Standard (Warm/Cold)*	N/A	(20 loads) 10	42.2	\$ 4.92
Clothes Washer Efficient (Cold/Cold)	N/A	(20 loads) 10	2.8	\$ 0.33
Clothes Washer Efficient (Warm/Cold)*	N/A	(20 loads) 10	11.4	\$ 1.33
*Includes cost of water heating				
Dishwasher (excludes water use)				
Air Dry	200	25	5	\$ 0.58
Heat Dry	1200	25	30	\$ 3.50
Electric Grill	1250	5	6	\$ 0.70
Exhaust Fan	40	25	1	\$ 0.12
Freezer	300	170	51	\$ 5.94
Microwave Oven	1000	15	15	\$ 1.75
Oven	2660	15	40	\$ 4.66
Range (Electric)	12500	15	188	\$ 21.90
Burner, Large	2400	15	36	\$ 4.19
Burner, Small	1300	15	19	\$ 2.21
Refrigerator/Freezer (Energy Star)	800	117	94	\$ 10.95
Refrigerator/Freezer (Pre 1992)	600	215	129	\$ 15.03
Electronics/Entertainment/Home Office				
Computer	80	20	1.6	\$ 0.19
Computer Monitor	80	20	1.6	\$ 0.19
Printer	180	20	3.6	\$ 0.42
Computer-24 hrs per day	720	20	14.4	\$ 1.68
Computer Monitor-24hrs per day	720	20	14.4	\$ 1.68
Printer-24hrs per day	720	20	14.4	\$ 1.68
Laptop	20	20	0.4	\$ 0.05
DVD Player/VCR	22	45	0.99	\$ 0.12
Fax Machine	100	20	2	\$ 0.23
Radio - Portable	20	120	2.4	\$ 0.28
Stereo - Component	200	120	24	\$ 2.80
Television	300	120	36	\$ 4.19
Television - Projection	170	120	20.4	\$ 2.38
Television - Flat Screen	120	120	14.4	\$ 1.68
Tools				
Circular Saw	1150	2	2.3	\$ 0.27
Drill	300	3	0.9	\$ 0.11
Electric Lawn Mower	1000	8	8	\$ 0.93
Table Saw	1000	2	2	\$ 0.23
Sander	300	3	0.9	\$ 0.11
Weed Trimmer	500	3	1.5	\$ 0.18
Miscellaneous				
Air Cleaner	50	275	13.75	\$ 1.60
Electric Blanket	190	80	15.2	\$ 1.77
Fish Tank (20 gallon)	86	730	62.78	\$ 7.31
Garbage Disposal	375	1	0.38	\$ 0.04
Sewing Machine	100	10	1	\$ 0.12