

Appliance Energy Use Guide

Kitchen	Typical wattage	Estimated cost
Coffee Maker	894	\$0.01/hr
Keurig (2 cups/day, left idle all day)		\$6.40/month
Deep Fryer	1,450	\$0.15/hr
Dishwasher	1,800	\$0.18/hr
Electric Skillet	1,200	\$0.12/hr
Microwave Oven	1,450	\$0.15/hr
Range w/Self Cleaning Oven	13,700	\$1.37/hr
Roaster	1,333	\$0.13/hr
Electric Smoker	1,500	\$0.15/hr

Food preservation	Typical wattage	Estimated cost
Food Freezer		
12 cu. ft.	650	\$0.07/hr
24 cu. ft.	845	\$0.08/hr
Refrigerator/Freezer		
18 cu.ft.	630	\$0.06/hr
24 cu. ft.	720	\$0.07/hr
28 cu.ft.	840	\$0.08/hr

Laundry	Typical wattage	Estimated cost
Clothes Dryer	5,500	\$0.55/hr
Iron	1,008	\$0.10/hr
Washing Machine	512	\$0.05/hr
Water Heater	4,500	\$1.80/4 hrs
Heat Pump Water Heater	550/4,500	\$0.22/\$1.80/4 hrs

Housewares	Typical wattage	Estimated cost
Vacuum Cleaner	1,300	\$0.13/hr
Central Vacuum	1,600	\$0.16/hr

Medical equipment	Typical wattage	Estimated cost
Nebulizer	1,000	\$0.10/hr
Oxygen Concentrator	460	\$0.05/hr
Sleep Apnea Machine (CPAP)	200	\$0.02/hr

Phantom load	Typical wattage	Estimated cost
Satellite Receiver/Cable Box	25	\$1.80/month
Digital Clock	3	\$0.22/month
Computer Modem/Router	6	\$0.43/month
Cordless Tool Charger	5	\$0.36/month
Invisible Pet Fence	25	\$1.80/month
Night Light (LED)	1	\$0.07/month
Toothbrush Charger	1.6	\$0.12/month
Water Softener	17	\$1.22/month

Lighting	Watts	Estimated cost
Residential Lights		
Incandescent	60	Cost/8 hours \$0.05
EISA Compliant Adj.	43	\$0.03
CFL (60 watt equiv.)	13	\$0.01
LED (60 watt equiv.)	9	\$0.007
Commercial Lights		
T12 (4'-4 bulb fixtures)	164	Cost/8 hours \$0.13
T8 (4'-4 bulb fixtures)	118	\$0.10
T5 (4'-4 bulb fixtures)	112	\$0.09
LED (4'-4 bulb fixtures)	72	\$0.06
Christmas Lights		
Incandescent C9 (25 bulb set)	175	Cost/240 hours (8 hrs for 30 days) \$4.20
LED C9 (25 bulb set)	2.2	\$0.05

Swimming pool & spa	Typical wattage	Estimated cost
Hot Tub Pump	1 hp	\$0.18/hr
Hot Tub Heater	6,000	\$0.60/hr
Swimming Pool Filter Pump	1 hp	\$0.18/hr
	2 hp	\$0.25/hr

Home entertainment/ home office	Typical wattage	Estimated cost
DVR (24hrs/day)	32	\$2.30/month
Xbox 360 (4hrs/day)	180	\$2.16/month
Playstation 4 (4hrs/day)	120	\$1.44/month
Nintendo Wii (4hrs/day)	19	\$0.23/month
55" LED TV (4hrs/day)	67	\$0.80/month
60" LED TV (4hrs/day)	75	\$0.90/month
65" LED TV (4hrs/day)	83	\$1.00/month
70" LED TV (4hrs/day)	92	\$1.10/month
BlueRay Player (4hrs/day)	14	\$0.17/month
Laptop/Desktop (4hrs/day)	650	\$7.80/month
Laser Printer	400	\$0.04/hr

Comfort conditioning	Typical wattage	Estimated cost
Electric Blanket	177	\$0.02/hr
Dehumidifier	390	\$0.04/hr
Whole House Fan (Attic)	370	\$0.04/hr
Box Fan	200	\$0.02/hr
Space Heater	1,500	\$0.15/hr
Humidifier-tabletop	177	\$0.02/hr
Vaporizer	480	\$0.05/hr
Air Purifier	250	\$0.03/hr
Ceiling Fan	150	\$0.02/hr
Furnace Blower	1/2 hp	\$0.05/hr

Heating & cooling	Typical wattage	Estimated cost
Central Electric Furnace & Blower		
10kW	10,500	\$1.05/hr
15kW	15,350	\$1.54/hr
20kW	20,490	\$2.05/hr
25kW	25,670	\$2.57/hr

Mini-Split Heat Pumps	Size	Cooling/heating watts	Estimated cost
9,000 BTU	590/790		\$0.06/\$0.08/hr
12,000 BTU	940/970		\$0.09/\$0.10/hr
15,000 BTU	1,040/1,320		\$0.10/\$0.13/hr
18,000 BTU	1,420/1,710		\$0.14/\$0.17/hr
21,500 BTU	1,720/2,210		\$0.17/\$0.22/hr

Air Source Heat Pump (with back-up electric furnace)	Estimated cost
3 Ton with 15kW Backup	\$2.06/hr
4 Ton with 15kW Backup	\$2.35/hr
5 Ton with 15kW Backup	\$2.56/hr

Ground Source Heat Pump (without back-up electric furnace)*	Estimated cost
3 Ton	\$0.46/hr
4 Ton	\$0.67/hr
5 Ton	\$0.81/hr
6 Ton	\$0.88/hr

*With optional emergency electric back-up heat, add the appropriate kW electric furnace from above.

Room Air Conditioner	Typical wattage	Estimated cost
6,000 BTU/hr	706	\$0.07/hr
12,000 BTU/hr	1,412	\$0.14/hr
24,000 BTU/hr	2,824	\$0.28/hr

Central Air Conditioner	Typical wattage	Estimated cost
3 Ton	5,890	\$0.59/hr
4 Ton	9,220	\$0.92/hr
5 Ton	11,440	\$1.14/hr

Miscellaneous	Typical wattage	Estimated cost
Air Compressor	1 1/2 hp	\$0.22/hr
Well Pump	1 hp	\$0.28/hr
Stock Tank Water Heater	1,500	\$0.15/hr
Heat Lamp	250	\$0.03/hr
Engine Block Heater	1,500	\$0.15/hr
Electric Car Charger (240 volt)	7,680	\$0.77/hr

Watts X hours of operation / 1,000 X 0.10 = \$Cost
10 cents per kWh used for all calculations