

The Energy to Thrive™

ENERGY USAGE GUIDE



CORE
ELECTRIC COOPERATIVE



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Consult the table below for common household appliances and devices, amount of power required to operate each (wattage), typical number of hours used per month, power required (kW), typical kilowatt-hours (kWh) used per month and monthly cost to operate based on CORE's current residential rate. To calculate the approximate monthly cost to power any other device, use this formula:

$$\text{Cost} = \frac{\text{Wattage} \times \text{Hours Used}}{1,000} \times \text{Rate}$$

Note: Volts × Amperage = Wattage; 1 horse power motor = 746 watts

Item	Wattage	Average Hours Used	kW	Average kWh	Cost @ \$0.10994 per kWh
Kitchen Appliances					
Coffee Maker	800	15	0.8	12	\$1.32
Dishwasher	1800	30	1.8	54	\$5.94
Freezer	250	100	0.25	25	\$2.75
Microwave	1400	7	1.4	9.8	\$1.08
Oven	5000	7	5	35	\$3.85
Refrigerator	750	100	0.75	75	\$8.25
Stove-top burner (small)	1000	7	1	7	\$0.77
Stove-top burner (large)	3000	7	3	21	\$2.31
Toaster	1200	3	1.2	3.6	\$0.40
Comfort Conditioning					
Air Conditioner	1000	180	1	180	\$19.79
Ceiling Fan	50	150	0.05	7.5	\$0.82
Central A/C (2.5 tons)	3500	180	3.5	630	\$69.26
Furnace, Electric	18000	120	18	2160	\$237.47
Furnace Fan	300	720	0.3	216	\$23.75
Humidifier (house steam)	3520	360	3.52	1267.2	\$139.32
Oxygen Concentrator	310	720	0.31	223.2	\$24.54
Radiant Floor Heat (10x20)	3000	180	3	540	\$59.37
Space Heater	1500	180	1.5	270	\$29.68
Around the House					
Clothes Dryer	5000	25	5	125	\$13.74
Electric Blanket	250	30	0.25	7.5	\$0.82
Engine Block Heater	1000	360	1	360	\$39.58
Gutter Heater/Roof De-Icer	1000	720	1	720	\$79.16
Hair Dryer	1600	4	1.6	6.4	\$0.70
Heat Lamp	250	360	0.25	90	\$9.89
Heat Tape	200	360	0.2	72	\$7.92
Heated Driveway (20x40)	28000	16	28	448	\$49.25
Hot Tub	5500	60	5.5	330	\$36.28
Light Bulb (LED)	9	150	0.01	1.35	\$0.15
Light Bulb (Incandescent)	60	150	0.06	9	\$0.99
Radon Fan	50	720	0.05	36	\$3.96
Stock Tank Heater	1500	720	1.5	1080	\$118.74
Washing Machine	500	25	0.5	12.5	\$1.37
Water Heater	4500	90	4.5	405	\$44.53
Well Pump (2 hp)	1492	30	1.49	44.76	\$4.92
Electronics					
Computer (Desktop)	200	240	0.2	48	\$5.28
Computer (Laptop)	60	240	0.06	14.4	\$1.58
Video Game Console	250	90	0.25	22.5	\$2.47
TV (32" LED)	60	150	0.06	9	\$0.99
TV (55" LED)	150	150	0.15	22.5	\$2.47
TV (Plasma)	250	150	0.25	37.5	\$4.12
Electric Vehicles					
EV Level 1 Charger	6000	14	6	84	\$9.23
EV Level 2 Charger	11000	7	11	77	\$8.47