

# ENERGY USAGE GUIDE



Consult the table on this handout for common household appliances and devices, amount of power required to operate each (wattage), typical number of hours used per month, typical kilowatt-hours (kWh) used per month and monthly cost to operate based on IREA's current residential rate of \$0.12052 per kWh.

To calculate the approximate monthly cost to power any other device, multiply its wattage by the average hours used per month, then divide by 1,000 to determine its average monthly kWh. Multiply that figure by your hourly rate (currently \$0.12052).

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

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

Item	Wattage	Average Hours Used	Average kWh (monthly)	Cost @ \$0.12052 per kWh
<b>Kitchen Appliances</b>				
Coffee Maker	800	15	12	\$1.45
Dishwasher	1800	30	54	\$6.51
Freezer	250	100	25	\$3.01
Microwave	1400	7	9.8	\$1.18
Oven	5000	7	35	\$4.22
Refrigerator	750	100	75	\$9.03
Stove-top burner (small)	1000	7	7	\$0.84
Stove-top burner (large)	3000	7	21	\$2.53
Toaster	1200	3	3.6	\$0.43
<b>Comfort Conditioning</b>				
Air Conditioner	1000	180	180	\$21.69
Ceiling Fan	50	150	7.5	\$0.90
Central A/C (2.5 tons)	3500	180	630	\$75.93
Furnace	18000	120	2160	\$260.32
Furnace Fan	300	720	216	\$26.03
Humidifier (house steam)	3520	360	1267.2	\$152.72
Oxygen Concentrator	310	720	223.2	\$26.90
Radiant Floor Heat (10x20)	3000	180	540	\$65.08
Space Heater	1500	180	270	\$32.54
<b>Laundry</b>				
Clothes Dryer	5000	25	125	\$15.06
Washing Machine	500	25	12.5	\$1.51
<b>Around the House</b>				
Electric Blanket	250	30	7.5	\$0.90
Engine Block Heater	1000	360	360	\$43.39
Gutter Heater/Roof De-Icer	1000	720	720	\$86.77
Hair Dryer	1600	4	6.4	\$0.77
Heat Lamp	250	360	90	\$10.85
Heat Tape	200	360	72	\$8.68
Heated Driveway (20x40)	28000	16	448	\$53.99
Hot Tub	5500	60	330	\$39.77
Light Bulb (LED)	9	150	1.35	\$0.16
Light Bulb (Incandescent)	60	150	9	\$1.08
Radon Fan	50	720	36	\$4.34
Stock Tank Heater	1500	720	1080	\$130.16
Water Heater (4500x2)	9000	90	405	\$48.81
Well Pump (2 hp)	1492	30	44.8	\$5.40
<b>Electronics</b>				
Computer (Desktop)	200	240	48	\$5.78
Computer (Laptop)	60	240	14.4	\$1.74
Video Game Console	250	90	22.5	\$2.71
TV (32" LED)	60	150	9	\$1.08
TV (55" LED)	150	150	22.5	\$2.71
TV (Plasma)	250	150	37.5	\$4.52



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