

# Cost of Operating Home Appliances

This guide provides the approximate cost of operating various home appliances based on industry average use and current MID rates.

**These estimates are for appliances 5 years old or newer.**

APPLIANCE TYPE	APPROXIMATE ENERGY USE	AVG ENERGY COST
<b>Cooling</b>		
Central Air Conditioner	5 kWh per hour	\$0.97 Per hour
Air conditioner, room or window - 10,000 btu @10.0 EER	1 kWh per hour	\$0.19 per hour
Whole House Fan	0.35 kWh per hour	\$0.07 per hour
Ceiling fan - 52" Energy Star rated will be less	0.1 kWh per hour	\$0.02 per hour
Table or Floor Fan	0.05 kWh per hour	\$0.01 per hour
<b>Heating</b>		
Space Heater	1.5 kWh per hour	\$0.29 per hour
Central Heat Pump	5 kWh per hour	\$0.97 per hour
Electric Blanket	0.2 kWh per hour	\$0.04 per hour
Electric Water Heater 50 gallons	10 kWh per day	\$1.94 per day
Electric Heat Pump Water Heater 50 gallons	2.5 kWh per day	\$0.49 per day
<b>Kitchen Appliances</b>		
Refrigerator, Top Freezer	1.5 kWh per day	\$0.29 per day
Refrigerator with ice maker; large side by side or bottom freezer	2 kWh per day	\$0.39 per day
Freezer, 7-9 c.f.* auto defrost	0.75 kWh per day	\$0.15 per day
Dishwasher	1.2 kWh per load	\$0.23 per load
Range, top burner (high setting)	1.25 kWh per hour	\$0.24 per hour
Oven	3.5 kWh per hour	\$0.68 per hour
Microwave (five-minute use)	0.25 kWh per use	\$0.05 per use
Toaster	0.05 kWh per use	\$0.01 per use
Coffee maker (drip)	0.33 kWh per use	\$0.06 per use
Air fryer	1.8 kWh per hour	\$0.35 per hour
Instant hot water dispenser	1 kWh per hour	\$0.19 per hour
<b>Laundry</b>		
Clothes dryer - Electric	5 kWh per load	\$0.97 per load
Washing Machine	1.25 kWh per load	\$0.24 per load
<b>General Houshold</b>		
Hair Dryer	1.8 kWh per hour	\$0.35 per hour
Vacuum	1.4 kWh per hour	\$0.27 per hour
TV, LED	0.2 kWh per hour	\$0.04 per hour
Cable Box	0.4 kWh per day	\$0.08 per day
WiFi Router	7.2 kWh per month	\$1.40 per month
Laptop Computer	0.06 kWh per hour	\$0.01 per hour
Home Printer/Copier	0.05 kWh per hour	\$0.01 per hour
Cell Phone Charger	1.44 kWh per month	\$0.28 per month
Xbox (70 watts at idle)	0.12 kWh per hour	\$0.02 per hour
Playstation (85 watts at idle)	0.15 kWh per hour	\$0.03 per hour
Lighting - LED 10 Qty (4 hr avg)	0.4 kWh per day	\$0.08 per day
Lighting - CFL 10 Qty (4 hr avg)	0.6 kWh per day	\$0.12 per day
Lighting - Incandencent 10 Qty (4 hr avg)	2.4 kWh per day	\$0.47 per day
1-1/2 HP Domestic Well or Pool pump	1.12 kWh per hour	\$0.22 per hour
Spa Heater	5.5 kWh per hour	\$1.07 per hour
Spa (average filtering operation)	210 kWh per month	\$40.74 per month
<b>Medical</b>		
Sleep apnea machine (CPAP)	0.1 kWh per hour	\$0.02 per hour
Oxygen Concentrator	0.45 kWh per hour	\$0.09 per hour
Nebulizer	0.1 kWh per hour	\$0.02 per hour