



Electric appliance monthly energy costs

How much does it cost per month to operate your appliances? You'll find the average monthly operating costs for many of them in this table.

Keep in mind that these costs will rise as the cost of energy rises during the coming years.

- We've used the average residential rate of 10.2¢ per kilowatt-hour (2006 average of all North Carolina's electric cooperatives combined) to calculate these numbers.
- All kilowatt-hour calculations are rounded to the nearest 1.
- All cost calculations are rounded to the nearest 1¢.
- The cost to operate any appliance can be calculated with this formula:

$$\text{Operating cost} = \text{wattage}/1,000 \times \text{hours used} \times \text{cost/kilowatt-hour.}$$

APPLIANCES	APPROX. AVERAGE WATTAGE	HOURS OF USE	KILOWATT HOURS	MONTHLY COST
Air Conditioner (Room 6,000 BTU)	750	120–240	90–100	\$9.18–\$18.36
(Room 9,000 BTU)	1,050	120–240	126–252	\$12.86–\$25.71
Air Source Heat Pump (12 SEER 2.5 ton)	3,500	90–180	315–630	\$32.13–\$64.26
Ceiling fan	100	15–330	2–33	\$0.41–\$3.37
Clock	5	Always on	4	\$0.41
Clothes dryer	5,000	6–28	30–140	\$3.06–\$14.28
Clothes washer	500	7–40	4–20	\$0.41–\$2.04
Coffee maker	1,000	4–30	4–30	\$0.41–\$3.06
Computer with monitor and printer	200	25–160	5–32	\$0.51–\$3.26
Dehumidifier	350	120–720	42–252	\$4.28–\$25.70
Dishwasher	1,800	8–40	14–72	\$1.43–\$7.34
Drill	300	3–7	1–2	\$0.11–\$0.22
DVD player	40	50–200	2–8	\$0.21–\$0.82
Fan (portable)	115	18–52	2–6	\$0.21–\$0.63
Freezer (15 cubic feet)	335	180–420	60–141	\$6.12–\$14.39
(20 cubic feet—chest)	350	180–420	63–147	\$6.43–\$15.00
Heater (portable)	1,500	30–90	45–135	\$4.59–\$13.77
Humidifier (portable)	100	80–540	8–54	\$0.21–\$5.51
Iron	1,000	1–10	1–10	\$0.11–\$1.02
Lawn mower (electric)	1,500	2–4	3–6	\$0.32–\$0.62
Lighting (Incandescent 60 w)	60	17–200	1–12	\$0.11–\$1.23
Compact fluorescent (60 watt equivalent)	18	17–200	0.3–4	\$0.04–\$0.41
Microwave oven	1,500	5–30	8–45	\$0.21–\$4.59
Standby Power Cordless Drill	240	400–720	96–173	\$9.80–\$17.62
Microwave oven with Clock	8	Always on	6	\$0.62
Power saw	275	2–4	0.6–1.1	\$0.07–\$0.12
Range Oven	3,500	10–50	35–175	\$3.57–\$17.85
Small element	1,200	10–50	12–60	\$1.23–\$6.12
Large element	2,300	10–50	23–115	\$2.35–\$11.73
Refrigerator/freezer (Frost-free 16–18 cu. Ft.)	400	150–300	60–120	\$6.12–\$12.24
Side by Side	780	190–300	148–234	\$15.10–\$23.87
Stereo	30	1–170	0.3–5	\$0.04–\$0.51
Television (color 19")	100	60–440	6–44	\$0.62–\$4.49
Color 27"	170	60–440	10–75	\$1.02–\$7.65
42" Plasma	450	60–440	27–198	\$2.76–\$20.24
Toaster (pop-up)	1,100	1–3.5	1–4	\$0.11–\$0.41
Toaster oven	1,250	2–24	3–30	\$0.32–\$3.06
Vacuum cleaner	800	2–6	2–5	\$0.21–\$0.51
Video game (X-box)	100	15–75	2–8	\$0.21–\$0.82
Water Heater (typical family of 4)	4,500	90–138	405–621	\$41.31–\$63.35