

HOW MUCH DOES MY ELECTRICITY USE COST?

We're constantly using electricity to run devices, appliances, and more. How much does each of these items really cost to run? Using the average electric cost for a residential public power customer — 11.5 cents per kilowatt-hour — and the average electricity used by each item, it costs...

SOURCES

Energy Information Administration, Department of Energy, Estimating Appliance and Home Electronic Energy Use, <https://energy.gov/energysaver/estimating-appliance-and-home-electronic-energy-use>; Lawrence Berkeley National Labs, Standby Power Summary Table, <http://standby.lbl.gov/summary-table.html>; <http://www.herc.utl.edu/enr/publications/pdf/FSEC-CR-1772-08.pdf>; Saving Electricity/Mr. Electricity <http://richardblarney.com/electricity/howmuch.html>; <http://yardinfestablelife.com/how-much-electricity-does-a-yard-inflatable-use/>

\$1.05



to cook a turkey in an electric oven
Assumes 4 hours of roasting.

to run a central air conditioning system for two hours
Range between a 1,200-watt and 3,500-watt system.



\$0.28-\$0.81

\$0.02-\$0.06



to watch two hours of TV
Range accounts for different types and sizes of TVs, from small CRT screens to large LCD/plasma screens.



to do one load of laundry
Assumes a 45-minute wash cycle at 225 watts and 1-hour dry cycle at 2,700 watts. Range factors in \$0.04-\$0.68 cents for the water heater, depending on whether a cold or hot water wash is used.

\$0.38-\$1.02

to use a desktop computer for 8 hours



\$0.07

to use a laptop computer for 8 hours, plugged in



\$0.02

\$0.01



to light a room for three hours with four 60-watt-equivalent LEDs

to light a room for three hours with four 60-watt-equivalent CFLs



\$0.02

\$0.17-\$0.73

to run a refrigerator for one day
Assumes a 225-watt refrigerator operating 24 hours/day.



\$0.21



to run one dishwasher cycle
Range depends on efficiency of washer and how much hot water is used from an electric water heater.

to keep a household's water heated for a month
Assumes 4,500-watt water heater, running between 3-5 hours a day.



\$46-\$77

<\$0.01



to recharge a smartphone

to keep a 6-foot inflatable lawn decoration on for 4 hours



\$0.03

Want to calculate the exact cost of each appliance you use in your home? Visit the Department of Energy's Appliance and Electronic Energy Calculator to learn more:
Energy.gov/energysaver/estimating-appliance-and-home-electronic-energy-use

#PublicPower