

Electric Appliances

We get lots of questions about how much energy different electrical appliances use. These questions normally come from people who are trying to reduce their consumption.

Usually the two largest energy users in a home are space cooling (40-60% of the total) and water heating (about 20%). If you use electricity for either of these two items look first to them for improved efficiency or reduced use.

Look up the appliances in your home that match the enclosed tables. Are you surprised by any of the amounts? Do some of your appliances fall into the older category? If so, compare them with the new appliance energy use. Calculate how much energy and money you can save by changing them out with new ones.

If you don't see an appliance on the list that you own you can determine the cost by using this formula:

$$\text{Watts} / 1000 \times \$0.10 \times \# \text{ hrs used} / \text{day} \times 30 = \text{monthly cost}$$

To calculate watts if an appliance lists only amps and volts:

$$\text{amps} \times \text{volts} = \text{watts}$$

If an appliance lists horsepower (hp):

$$1 \text{ hp} = 746 \text{ watts}$$



Our website includes many resources to help you save money including:

- Online do-it-yourself video energy audit.
- A home energy calculator
- Links to the EPA's Energy Star program.
- Energy saving tips.

We also provide support by phone and onsite energy audits free of charge.

Colquitt Electric Membership Corporation

15 Rowland Dr.
P.O. Box 3608

Moultrie, Georgia 31776
Phone: 1-800-342-8694

Email: customerservice@colquittemc.com



Typical Energy Costs

www.colquittemc.com

www.colquittemc.com

Typical Energy Costs for Electric Household Appliances

Electric Appliances	Cost per use / day	Cost per month	Cost per year	Electric Appliances	Cost per use / day	Cost per month	Cost per year	Electric Appliances	Cost per use / day	Cost per month	Cost per year
Air Conditioner (summer)				Energy Star	\$0.10	\$3.03	\$36.85	100 watt	\$0.04	\$1.20	\$14.60
central 3 ton 10 SEER	\$5.81	\$175.00	\$700.00	Electric Space Heater				Microwave	\$0.06	\$1.80	\$21.90
central 3 ton 12 SEER	\$4.98	\$150.00	\$600.00	2 hrs. / day	\$0.30	\$9.00	\$37.50	Oven	\$0.38	\$11.25	\$136.88
window 8000 btu	\$1.66	\$49.80	\$200.00	4 hrs. / day	\$0.60	\$18.00	\$45.00	Pond pump (1/4 hp)	\$0.45	\$13.39	\$162.94
window 12000 btu	\$2.49	\$75.00	\$300.00	8 hrs. /day	\$1.20	\$36.00	\$90.00	Radio	\$0.00	\$0.10	\$1.17
Answer machine	\$0.00	\$0.00	\$0.04	Fan				Range top-large eye	\$0.25	\$7.50	\$91.25
Blender	\$0.00	\$0.12	\$1.46	(Ceiling-high 12 hrs.)	\$0.15	\$4.50	\$54.75	Refrigerator			
Broiler	\$0.08	\$2.25	\$27.38	(Ceiling-high 24 hrs.)	\$0.30	\$9.00	\$109.50	18 cu.ft post-2001	\$0.17	\$5.11	\$62.14
Cable Box	\$0.03	\$0.79	\$9.64	(Ceiling-low 12 hrs.)	\$0.07	\$2.16	\$26.28	18 cu.ft pre-2001	\$0.43	\$12.87	\$156.59
Clothes Dryer	\$0.33	\$9.83	\$119.57	(Ceiling-low 24 hrs.)	\$0.14	\$4.32	\$52.56	Stereo	\$0.10	\$3.00	\$36.50
Clothes washer				Fax / Copier	\$0.00	\$0.08	\$0.91	Television			
warm wash-cold rinse	\$0.15	\$4.53	\$55.12	Freezer				DPL	\$0.32	\$9.60	\$116.80
Coffee maker	\$0.02	\$0.68	\$8.21	15 cu.ft. pre-2001	\$0.45	\$13.61	\$165.62	LCD	\$0.15	\$4.44	\$54.02
Computer				15 cu.ft. post-2001	\$0.16	\$4.93	\$59.95	Plasma	\$0.26	\$7.80	\$94.90
CRT left on	\$0.28	\$8.50	\$103.37	Furnace (Electric)	\$8.00	\$240.00	\$900.00	Tube	\$0.06	\$1.92	\$23.36
CRT + sleep mode	\$0.06	\$1.87	\$22.78	Hair Dryer	\$0.03	\$0.75	\$9.13	Toaster	\$0.01	\$0.30	\$3.65
LCD left on	\$0.16	\$4.68	\$56.94	Iron	\$0.09	\$0.49	\$5.91	Vacuum Cleaner	\$0.03	\$0.90	\$10.95
LCD + sleep mode	\$0.04	\$1.15	\$14.02	Light (CFL Fluorescent)				VCR	\$0.01	\$0.24	\$2.92
Cordless phone	\$0.00	\$0.01	\$0.14	15 watt	\$0.01	\$0.18	\$2.19	Water Bed heater	\$0.24	\$7.20	\$87.60
Crock Pot	\$0.00	\$0.02	\$0.26	23 watt	\$0.01	\$0.28	\$3.36	Water Heater			
Dish Washer				Light (Incandescent)				Standard	\$1.51	\$45.36	\$551.88
Standard	\$0.16	\$4.92	\$59.84	60 watt	\$0.02	\$0.72	\$8.76	High Efficiency	\$0.92	\$27.49	\$334.41

This estimate is based on an average 2000 ft² house with 4 occupants. Your actual cost may vary due to differences in appliance size, efficiency, hours of operation and your individual lifestyle. The price used for the calculations is \$0.10 per kWh.