



# Roanoke Electric Cooperative

Your Touchstone Energy® Partner



## Appliance Usage

### How much electricity does your appliances use?

Take a look at what you can do for pennies with the help of electricity:

- Use a 75-watt lamp for 14 hours for about 13 cents
- Refrigerate food for a day for about 25 cents
- Operate a window fan for about 2 cent an hour
- Wash a load of dishes in a dishwasher for about 10 cents

Electricity really is a bargain. What else can you buy that costs pennies and does so much work?

Appliance	Typical Wattage	Estimated Average Cost
<b>Miscellaneous</b>		
Electric Blanket	100	1.3 ¢/hr
Water Bed	400	5.0 ¢/hr
Dehumidifier	390	4.9 ¢/hr
Air Cleaner	250	3.1 ¢/hr
20 gal Aquarium	150	1.9 ¢/hr
Vacuum Cleaner	630	7.9 ¢/hr
<b>Kitchen Appliances</b>		
Grill	1350	17.0 ¢/hr
Coffee Maker	900	11.3 ¢/hr
Deep Fryer	1450	18.2 ¢/hr
Garbage Disposal	700	8.8 ¢/hr
Hot Plate	660	8.3 ¢/hr
Microwave	1450	18.2 ¢/hr
Range (Stove)	12500	157.0 ¢/hr
Toaster	1150	14.4 ¢/hr
Toaster Oven	1440	18.1 ¢/hr
Slow Cooker	200	2.5 ¢/hr

<b>Appliance</b>	<b>Typical Wattage</b>	<b>Estimated Average Cost</b>
<b>Home Office</b>		
Computer	80	1.0 ¢/hr
Monitor	75	0.9 ¢/hr
Fax Machine	105	1.3 ¢/hr
Inkjet Printer	35	0.4 ¢/hr
Laser Printer	400	5.0 ¢/hr
<b>Home Entertainment</b>		
Radio	70	0.9 ¢/hr
Stereo	150	1.9 ¢/hr
Component Stereo	500	6.3 ¢/hr
VCR	35	0.4 ¢/hr
DVD Player	50	0.6 ¢/hr
TV 19"-36"	135	1.7 ¢/hr
TV 53" Projection	170	2.1 ¢/hr
42" Plasma TV	250	3.1 ¢/hr
50" Plasma TV	550	6.9 ¢/hr
<b>Refrigeration</b>		
18 cu. Ft Refrigerator/Freezer	720	9.0 ¢/hr
24 cu. Ft Refrigerator/Freezer	810	10.2 ¢/hr
Side-by-Side Refrig/Freezer	1020	12.8 ¢/hr
12 cu. Ft. Freezer	650	8.2 ¢/hr
24 cu. Ft. Freezer	845	10.6 ¢/hr
<b>Swimming Pool and Spa</b>		
Hot Tub Heater	600	7.5 ¢/hr
Hot Tub Pump	1800	22.6 ¢/hr
Swimming Pool Pump	1200-2400	15-30 ¢/hr
<b>Farm Operations</b>		
1/3 hp Water Pump	250	3.1 ¢/hr
1.5 hp Water Pump	1120	14.1 ¢/hr
1 hp Well Pump	746	9.4 ¢/hr
Stock Tank Water Heater	1500	18.8 ¢/hr
Heat Lamp	250	3.1 ¢/hr
Electric Fence	100	1.3 ¢/hr
<b>Heating</b>		
750 Watt Baseboard Heater	750	9.4 ¢/hr
750 Watt Space Heater	750	9.4 ¢/hr
1000 Watt Space Heater	1000	12.6 ¢/hr
1500 Watt Space Heater	1500	18.8 ¢/hr
Electric Fireplace	1500	18.8 ¢/hr

Appliance	Typical Wattage	Estimated Average Cost
<b>Forced Air Systems</b>		
15 kw Central Electric Furnace	15350	\$1.93 /hr
20 kw Central Electric Furnace	20490	\$2.57 /hr
25 kw Central Electric Furnace	25670	\$3.22 /hr
3 Ton Air Source Heat Pump without backup running		67.0 ¢/hr
4 Ton Air Source Heat Pump without backup running		85.0 ¢/hr
5 Ton Air Source Heat Pump without backup running		\$1.05 /hr
3 Ton Air Source Heat Pump with backup running		\$2.46 /hr
4 Ton Air Source Heat Pump with backup running		\$2.67 /hr
5 Ton Air Source Heat Pump with backup running		\$2.88 /hr
<b>Cooling</b>		
Attic Fan	370	4.6 ¢/hr
Ceiling Fan	150	1.9 ¢/hr
Box Fan	180	2.3 ¢/hr
<b>Room Air Conditioner</b>		
6000 Btu/hr	706	8.9 ¢/hr
12,000 Btu/hr	1412	17.7 ¢/hr
24,000 Btu/hr	2824	35.5 ¢/hr
<b>Central Air Conditioner</b>		
3 Ton		0.0 ¢/hr
4 Ton		0.0 ¢/hr
5 Ton		0.0 ¢/hr
<b>Air Source Heat Pump</b>		
3 Ton		0.0 ¢/hr
4 Ton		0.0 ¢/hr
5 Ton		0.0 ¢/hr
<b>Water Heating, Laundry, Cleaning</b>		
Dishwasher with cold water	1400	17.6 ¢/hr
Dishwasher with hot water	1400	17.6 ¢/hr
Clothes Dryer	5000	62.8 ¢/hr
Clothes Washer per load (cold)	500	6.3 ¢/hr
Clothes Washer per load (hot)	500	6.3 ¢/hr

<b>Water Heating Number of People</b>	<b>Gallons per Month</b>	<b>kwhs per Month</b>	<b>Cost per Month</b>
1	450	200	\$25.12
2	900	300	\$37.68
3	1350	400	\$50.24
4	1800	500	\$62.80
5	2250	600	\$75.36
6	2700	700	\$87.92

All computations based on 12.56 cents per kilowatt hour electric rate  
Estimated kwhs are based on average estimated consumption of electric appliances.

