

## Typical Operating Costs of Electrical Appliances

### Major Appliances

Appliance	Average Wattage	Typical Operating Costs
<b>Chest Freezer*</b>		
Manual defrost 5-20 cu. ft. 37-135 kWh per mo.		\$3.69 to \$13.47 per month
Automatic defrost 10-20 cu. ft. 115-190 kWh per mo.		\$11.47 to \$18.96 per month
<b>Clothes Dryer</b>		
Avg. 45 min. cycle	5000	\$0.37 per load
<b>Dishwasher (with heater)</b>		
Avg. 45 min. cycle	1200	\$0.09 per load
<b>Garbage Disposal</b>		
	445	\$0.04 per 50 operations
<b>Hot Tub/Spa (Based on 45 hours usage per month) Does not include \$4-6 for initial startup.</b>		
Energy-efficient model with cover		\$15.99 per month
Average hot tub with cover		\$40.50 per month
Less efficient model with cover		\$59.69 per month
<b>Oven (avg. of one hour usage per day)</b>		
Baking	2400	\$0.24 per day
Convection	1600	\$0.16 per day
Microwave	1450	\$0.14 per day
Broiler	3600	\$0.36 per day
Self-cleaning Feature		\$0.29 per cleaning
<b>Range (avg. of one hour usage per day)</b>		
Family of 4		\$0.19 per day
<b>Refrigerator/Freezer*</b>		
Partial defrost 10-16 cu. ft. 50-85 kWh per mo.		\$4.99 to \$8.48 per month
Automatic defrost 16-20 cu. ft. 70-120 kWh per mo.		\$6.98 to \$11.97 per month
Washing Machine	500	\$0.05 per hour

### Small Kitchen Appliances

Appliance	Average Wattage	Typical Operating Costs
Blender	300	\$0.03 per hour
Bread Maker	650	\$0.07 per hour
Broiler	1200	\$0.12 per hour
<b>Coffee Maker</b>		
Brew cycle	900	\$0.09 per hour
Warm cycle	70	\$0.01 per hour
<b>Corn Popper</b>		
Air	1125	\$0.11 per hour
Oil	575	\$0.06 per hour
<b>Deep Fryer</b>		
(mini-size)*	600	\$0.06 per hour
Dutch Oven*	1200	\$0.12 per hour
<b>Espresso Machine</b>		
(small)	800	\$0.08 per hour
Food Grinder	200	\$0.02 per hour
Food Processor	400	\$0.04 per hour
Fry Pan*	1200	\$0.12 per hour
Griddle*	1200	\$0.12 per hour
Hot Plate	1200	\$0.12 per hour
Ice Cream Freezer	130	\$0.01 per hour
Knife	95	\$0.01 per hour
Mixer	150	\$0.02 per hour
Pressure Cooker*	1300	\$0.13 per hour
Roaster*	1425	\$0.14 per hour
Rotisserie	1400	\$0.14 per hour

Slow Cooker	200	\$0.02 per hour
Steamer/Grill	760	\$0.08 per hour
Toaster, 2-slice	1100	\$0.11 per hour
<b>Toaster Oven</b>		
Toasting	1500	\$0.16 per hour
Baking*	1500	\$0.16 per hour
Broiling*	830	\$0.08 per hour
Waffle Iron*	1200	\$0.12 per hour
Waffle Maker*	650	\$0.07 per hour
Warming Tray*	140	\$0.01 per hour

### Health & Beauty

Appliance	Average Wattage	Typical Operating Costs
Hair Dryer	1500	\$0.16 per hour
Hair Rollers	350	\$0.04 per hour
Heat Lamp or Sun Lamp	250	\$0.03 per hour
Heating Pad*	60	\$0.01 per hour
Sterilizer	450	\$0.05 per hour
Vaporizer	300	\$0.03 per hour

### Heating & Cooling

Appliance	Average Wattage	Typical Operating Costs
Air Cleaner (5000 sq. ft.)	220	\$0.02 per hour
<b>Air Conditioner-Room</b>		
6,000 Btu SEER 8**	750	\$0.08 per hour
6,000 Btu SEER 10**	600	\$0.06 per hour
6,000 Btu SEER 12**	500	\$0.05 per hour
<b>Air Conditioner-Central</b>		
30,000 Btu SEER 8**	6000	\$0.42 per hour
30,000 Btu SEER 10**	4800	\$0.33 per hour
30,000 Btu SEER 12**	4000	\$0.28 per hour
<b>Aquarium Heater (20 gal.)*</b>		
Blanket*	150	\$0.06 per night
<b>Dehumidifier</b>		
	580	\$0.06 per hour
<b>Electric Heating Systems</b>		
Central***		
Geothermal SEER 20***		
Portable	1500	\$0.15 per hour
<b>Fan</b>		
Attic	370	\$0.04 per hour
Ceiling	130	\$0.01 per hour
Window	200	\$0.02 per hour
<b>Humidifier</b>		
Portable	175	\$0.02 per hour
Central, Bypass type	5	\$0.96 per winter
<b>Water Bed Heater*</b>		
	360	\$0.36 per day
<b>Water Heater</b>		
2 people in house 197 kWh per mo.		\$19.66 per month
4 people in house 366 kWh per mo.		\$36.53 per month
6 people in house 530 kWh per mo.		\$52.89 per month

## Household and Home Entertainment

Appliance	Average Wattage	Typical Operating Costs
CD Player (multiple disk)	20	\$0.02 per 10 hours
Computer, Personal	250	\$0.03 per hour
Fax Machine (in use)	500	\$0.05 per hour
Inkjet Printer (in use)	300	\$0.03 per hour
Image Scanner (in use)	200	\$0.02 per hour
Iron*	1000	\$0.08 per hour
Sewing Machine	75	\$0.01 per hour
Vacuum (tank or upright)	630	\$0.07 per hour
Television (solid state)		
13" Color	22	\$0.03 for 10 hours
20" Color	75	\$0.08 for 10 hours
32" Color LCD	150	\$0.15 for 10 hours
65" Color LCD	250	\$0.26 for 10 hours
52" Color Plasma	450	\$0.45 for 10 hours
Radio (solid state)	25	\$0.03 for 10 hours
Stereo	150	\$0.15 for 10 hours
Video Game System	20 - 200	Up to \$0.02 per hour
VCR/DVD Player	30	\$0.03 for 10 hours

## Lighting

Appliance	Average Wattage	Typical Operating Costs
Light Bulb	40	\$0.04 for 10 hours
Light Bulb	75	\$0.08 for 10 hours
Light Bulb	100	\$0.10 for 10 hours
Light Bulb	150	\$0.15 for 10 hours
Halogen	45	\$0.05 for 10 hours
Compact Fluorescent	14	\$0.01 for 10 hours
Compact Fluorescent	27	\$0.03 for 10 hours
Fluorescent (2 - 4 ft. bulbs)	64	\$0.06 for 10 hours
Outdoor Lighting (with photocell-avg.350 hours per mo.)		
Mercury vapor	50	\$2.00 per month
High pressure sodium	45	\$1.56 per month

## Motors

Appliance	Average Wattage	Typical Operating Costs
Motors-furnace fan, pool filter, garage door opener, etc.		
1/4 horsepower	300	\$0.03 per hour
1/3 horsepower	400	\$0.04 per hour
1/2 horsepower	600	\$0.06 per hour
3/4 horsepower	800	\$0.08 per hour
1 horsepower	1000	\$0.10 per hour
Sump Pump	250	\$0.03 per hour
Water Pump	500	\$0.05 per hour

## Outdoor & Workshop

Appliance	Average Wattage	Typical Operating Costs
Charcoal Lighter	500	\$0.05 per hour
Drill	300	\$0.03 per hour
Hedge Trimmer	250	\$0.03 per hour
Lawn Edger	200	\$0.02 per hour

Lawn Mower	1000	\$0.10 per hour
Sander	300	\$0.03 per hour
Circular Saw	1000	\$0.10 per hour
Soldering Gun	120	\$0.01 per hour

## Energy Notes

### Eliminate Dust

Appliances perform better when they are regularly maintained. Replacing or cleaning clogged filters on your furnace, air conditioner, or clothes dryer will pay off in lower energy costs. Cooling fins on refrigerators and dehumidifiers should be kept clean as well.

### Changes in Life Style

Moving into a new home, adding a hobby, a new baby in the household, visiting relatives and working at home all affect your electric bill.

### New Appliances

Adding new appliances can be costly, however replacing old inefficient appliances can lead to an overall savings on your electric bill.

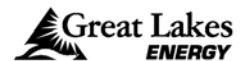
**Note:** A charge of **9.981¢** per kilowatthour (kWh) was used to calculate the "Typical Operating Cost." (the rate for a non-permanent residence is **16.659¢** per kWh) Operating costs are based on average use of both old and new appliances, and do not include PSCR charges, availability charges or tax. The charge per kWh to calculate your bill is shown on the bill. You may also get the information at one of our member service centers or by calling 888-485-2537.

\* This appliance has a thermostat that cycles on and off while operating; the operating cost is based on an estimate of the amount of time the appliance is using electricity.

\*\*S EER means Seasonal Energy Efficiency Ratio, which is determined by dividing Btu's by the wattage. The higher the SEER number, the lower the operating cost.

\*\*\* "Typical Operating Cost" is not listed for this equipment because several special heating rates are available. For more information about these rates, please call 1-888-485-2537.

Typical Costs Based on Rates Effective August 2010.



www.gtlakes.com

## Member Service Centers

### Boyer City Area

Headquarters  
1323 Boyne Avenue  
Boyer City, MI 49712

### Hart Area

Hart Service Center  
2183 North Water Road  
Hart, MI 49420

### Kalkaska Area

Kalkaska Service Center  
630 Magnum Road  
Kalkaska, MI 49646

### Newaygo Area

Newaygo Service Center  
One Cooperative Center Drive  
Newaygo, MI 49337

### Reed City Area

Reed City Service Center  
PO Box 61, 4493 200th Avenue  
Reed City, MI 49677

### Scottville Area

Scottville Service Center  
525 West US 10  
Scottville, MI 49454

### Waters Area

Waters Service Center  
10380 Great Lakes Drive  
Waters, MI 49797

### Wayland Area

Wayland Service Center  
1049 133<sup>rd</sup> Avenue  
Wayland, MI 49348