BE ENERGY SMART

ENERGY COSTS GUIDE FOR COMMON HOUSEHOLD APPLIANCES

TECO
TAMPA ELECTRIC
AN EMERA COMPANY

Tampa Electric is committed to helping you use energy wisely. We developed this brochure to provide you with an approximate cost to run various appliances and other devices that use electricity. Prices shown are based on typical usage periods.

Air Conditioning

Change filters monthly and make sure they are installed facing the correct direction. For additional savings, service your system annually for maximum efficiency.

2 ton 13 SEER..... $0.19 per hour
2 ton 20 SEER..... $0.12 per hour
2.5 ton 13 SEER..... $0.23 per hour
2.5 ton 20 SEER..... $0.15 per hour
3 ton 13 SEER..... $0.28 per hour
3 ton 20 SEER..... $0.18 per hour
3.5 ton 13 SEER..... $0.32 per hour
3.5 ton 20 SEER..... $0.21 per hour
4 ton 13 SEER..... $0.37 per hour
4 ton 20 SEER..... $0.24 per hour
5 ton 13 SEER..... $0.46 per hour
5 ton 20 SEER..... $0.30 per hour

Heating

Close shades and drapes at night to keep heat inside during the winter. Be sure to set your thermostat to 68 degrees F or lower at night.

Central Resistance Heat:
5 kW ..... 50 cents per hour
8 kW ..... 80 cents per hour
10 kW ..... $1.00 per hour
15 kW ..... $1.50 per hour
Space Heater (Portable) 1250 – 1650 Watts
..... 12 cents -17 cents per hour

Cooking

Always match the burner to the pan! By matching the burner to the pan, you avoid wasting electricity and reduce unwanted heat that is generated by the uncovered burner.

Coffee Maker (single serve) ..... $0.01 per brew
Food Processor ..... $0.04 per hour
Microwave..... $0.06 per hour
Range..... $0.37-$1.05 per hour
Small Surface 6" Coil..... $0.11 per hour
Large Surface 8" Coil ..... $0.23 per hour
Self Cleaning Oven ..... $0.66 per hour
Toaster ..... $0.08 per hour

Refrigeration

Maximize efficiency by setting the temperature at or near the manufacture's optimal settings. Vacuum dust that accumulates on the condenser coils on the rear or bottom of the unit, and prevent cold air leakage by replacing damaged door seals.

Refrigerator/Freezer ..... $3-$16 per month
Side-By-Side..... $6-$22 per month
Mini Refrigerator .....$3 per month
Wine Cooler ..... $3-$9 per month
Costs vary based on age and size of unit

Laundry/Cleaning

Only run a dishwasher that's full of dishes. Once the final rinse cycle is complete, open the door and let your dishes dry without wasting energy using the heated dry cycle. When possible, use cold water to wash clothes.

Clothes Dryer 7 lb. Load ..... $0.28 per load
Clothes Dryer 14 lb. Load ..... $0.40 per load
Washer - Top Load ..... $0.13-$0.19 per load
Washer - Front Load ..... $0.10 per load
Dishwasher..... $0.08-$0.26 per hour
Iron.....$0.11 per hour
Vacuum Cleaner ..... $0.07-$0.13 per hour

Water Heating

Lower your water heater thermostat settings to 120 degrees F. For additional savings, install flow-restricting devices in showers and faucets.

Hybrid Water Heating

Tub Bath.....$0.10 per tub
Shower.....$0.03 per 7 minute
Cost/Person, Whole House.....$4-$6 per person per month

Tank Water Heating

Tub Bath.....$0.23 per tub
Shower.....$0.11 per 7 minute
Cost/Person, Whole House..... $8-$12 per person per month

Tankless Water Heating

Tub Bath.....$0.23 per tub
Shower.....$0.23 per 7 minute
Cost/Person, Whole House..... $10-$16 per person per month
Costs vary based on age and size of water heater and water use.

Small Appliances

Run ceiling fans at low speeds in occupied rooms and set them to rotate clockwise in the winter.

Ceiling Fan or Box Fan.....$0.01 per hour
Air Purifier ..... $0.02-$0.07 per 4 hour
Hair Dryer .....$0.15 per hour
Oxygen Machine.....$0.04 per hour
Golf Cart Charger..... $0.02-$0.09 per hour
Dehumidifier..... $0.02-$0.07 per hour

Lighting

Replace incandescent bulbs with energy-efficient with compact fluorescent lamps (CFLs) or light emitting diodes (LEDs). LEDs last up to 25 times longer and use about 20 percent less energy than traditional bulbs.

60-Watt Incandescent.....1 cent per 4 hours
13-Watt CFL (60 Watt Incandescent Equiv.)..1 cent per 7.5 hours
7-Watt LED (60 Watt Incandescent Equiv.).....1 cent per 14 hours

75-Watt Incandescent.....1 cent per 4 hours
23-Watt CFL (75 Watt Incandescent Equiv.).....1 cent per 4 hours
15-Watt LED (75 Watt Incandescent Equiv.)..1 cent per 6.5 hours

100-Watt Incandescent..... 1 cent per hour
26-Watt CFL (100 Watt Incandescent Equiv.)...1 cent per 4 hours
19-Watt LED (100 Watt Incandescent Equiv.)...1 cent per 5 hours

50-Watt Mercury Bulb .....1 cent per 2 hours
70-Watt High-Pressure Sodium ..... 7 cents per 10 hours

Holiday Lighting

50 Count Non-LED Mini .....$0.36 per month
100 Count Non-LED Mini .....$0.73 per month
50 Count LED Mini .....$0.15 per month
70 Count LED Icicle .....$0.21 per month
Based on 6 hr. run time over 30 days

Decorative Lighting

10 Socket String

5-Watt Bulb = 12 kWh/Mo. (8 Hrs./Day) x .10 ...$1.20 per month
7-Watt Bulb = 16.8 kWh/Mo. (8 Hrs./Day) x .10....$1.68 per month
LED .4-Watt = .096 kWh (8 Hrs./Day) x .10 .....$.01 per month

25 Socket String

5-Watt Bulb = 30 kWh/Mo. (8 Hrs./Day) x .10 ...$3.00 per month
7-Watt Bulb = 42 kWh/Mo. (8 Hrs./Day) x .10 ...$4.20 per month
LED .4-Watt = 2.4 kWh/Mo. (8 Hrs./Day) x .10 ..$0.24 per month

100 Socket String

5-Watt Bulb = 120 kWh/Mo. (8 Hrs./Day) x .10$12.00 per month
LED .4-Watt = 9.6 kWh/Mo. (8 Hrs./Day) x .10 ..$0.96 per month
Based on 8 hr. run time over 30 days

Entertainment

When you're ready buy a new TV or other electronic equipment, be sure to look for the ENERGY STAR® label.

DVD & VHS & CD Player .....$0.005 per hour
Laptop Computer .....$0.005 per hour
Desktop .....$0.03 per hour
Printer.....$0.01 per hour
Game Consoles .....$0.09 per hour
Flat Screen 26"-37".....$0.01 per hour
Flat Screen 42"-60".....$0.02 per hour
Smart TV 24"-32" (38kwh-75kwh per year). $3.80-$7.50 per year
Ultra TV 40"-55" (84kwh-258kwh per year) $8.40-$25.80 per year

Standby Load

Save when you install multi-outlet power strips that make it easy to turn off electronic devices that are not in use.

Game Console ..... $0.03 per hour
Cell Phone ..... $0.01-0.02 per month
DVD ..... $0.84 per month
Printer ..... $0.31-$0.36 per month
Tablet Charge (e.g., iPad) less than $0.01 per 4.5 hours charging
Microwave Clock ..... $0.22 per month
Range Clock ..... $0.20 per month
TV Flat Screen ..... $1.45 per month

Inflatable Decorations

To help save on energy costs, monitor your use of these decorations and only inflate them when in use.

4', 52 Watt ..... $1.24 per month
6', 60 Watt ..... $1.44 per month
8', 76 Watt ..... $1.82 per month
12', 85 Watt ..... $2.04 per month
Based on 8 hr. run time over 30 days

Water Pumps

Turn off pool pumps and/or heater when not needed and adjust timer to operate 8-10 hours in summer and 6-8 hours in winter.

1/2 Horsepower ..... $0.09 per hour
3/4 Horsepower ..... $0.13 per hour
1 Horsepower ..... $0.14 per hour
1-1/2 Horsepower ..... $0.18 per hour
2 Horsepower ..... $0.22 per hour
3 Horsepower ..... $0.30 per hour

Heat Pump Pool Heater

Have your pool heat pump services annually to maintain performance and maximize the life of the unit.

35,000 Gal. = 6,670 Watts ..... $0.50-$0.70 per hour
28,000 Gal. = 5,980 Watts ..... $0.50-$0.70 per hour
24,000 Gal. = 4,600 Watts ..... $0.50-$0.70 per hour

Plug-In Electric Vehicle Charging

Take advantage of Tampa Electric's free Energy Planner℠ program and save when you charge during off-peak hours. With Energy Planner, you can take advantage of lower rates 87 percent of the time. Visit **tampaelectric.com/ep** for more about Energy Planner and **tampaelectric.com/ev** to learn more about the benefits of driving an electric vehicle.

Nissan Leaf: 3.75 kWh ..... $0.37 per hour
Chevrolet Volt: 4.6 kWh ..... $0.46 per hour
Tesla Model S: 10 kWh ..... $1.00 per hour

The costs listed in this brochure are based on a rate of 10 cents per kilowatt-hour (kWh). You can locate Tampa Electric's current rates at **tampaelectric.com/rates**.

The information in this brochure is based on **estimated wattages** and is intended to offer general guidelines only. Wattages may vary based on age, make and model of equipment and should not be regarded as fully representative of the costs of use.

How to calculate cost per hour

To calculate the approximate cost to operate a specific appliance or other item not included on this brochure, locate the wattage listed on the appliance (you may need to reference the owner's manual) and divide it by 1,000 to get the kWh. Once you have the kWh, multiply by 10 cents per kWh to get an approximate cost to operate the appliance for one hour.

For example: Consider an appliance that uses 600 watts.

Divide 600 watts by 1,000 = .6 kWh.

Multiply .6 kWh by 10 cents per kWh = **6 cents per hour**.

To save energy and protect the environment, look for the ENERGY STAR label. Visit **energystar.gov** to learn more.

To learn more about our energy-saving programs, call:

813-275-3909

tampaelectric.com/save