ELECTRICITY COST CALCULATOR

Electricity Cost Calculator Assumptions:

These figures are based on average use by a family of four living in a 1800 residential dwelling in the TVA Service Area. The figures are computed using electric rate of 6¢, 7¢, 8¢, and 9¢ per kiloWatt hour. Heating and Cooling costs are based on a cool/moderate climate.

Source: http://www.energydepot.com/energyright/index.asp

Instructions:

1) Select **APPLIANCE** at arrow.

2) Note **Wattage, Average Hours per Week** in use*, and **Estimated kWh per Year.**

**Home Office appliances assume an additional 128 hours/week in sleep mode.*

3) Read **ESTIMATED $ COST per YEAR** for electricity below **COST per kWh.**

4) Access the energy calculator at **www.energyright.com** for more information and appliance options.

COST per kWh

6¢	7¢	8¢	9¢
0.10	0.12	0.13	0.15

ESTIMATED $ COST per YEAR

in use	sleep mode*
4	–

Assumed Wattage

APPLIANCE

8	2
Average Hours per Week	Estimated kWh per Year

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TVA

GENERAL APPLIANCES

- Clock Radio
- Television (Large Color)
- Television (Small Color)
- CD, DVD, VCR Player
- Vacuum Cleaner
- Hair Dryer
- Electric Shaver
- Stereo with Tape and/or CD Player
- Iron
- Electric Blanket
- Water Bed
- Curling Iron
- Computer (CPU & Monitor)

WATER HEATER

- Standard (<30 gallons, 5-10 yr. old tank, <130°F)
- Standard (30-49 gallons, 5-10 yr. old tank, <130°F)

HOME OFFICE*

- Printer - Ink Jet (Small)
- Printer - Ink Jet (Medium)
- Printer - Laser (Small)
- Printer - Laser (Medium)
- Multi-Function - Print/Scan/Copy/Fax (Small)
- Multi-Function - Print/Scan/Copy/Fax (Medium)

LIGHTING

- Incandescent Bulb (75W)
- Compact Fluorescent Bulb (20W - comparable to a 75W incandescent bulb)

LAUNDRY

- Clothes Washer (Consumption doesn't include energy to heat water)
- Clothes Dryer (1040 kWh/year)
- Blender
- Coffee Maker
- Dishwasher (Consumption doesn't include energy to heat water)
- Electric Fry Pan
- Toaster
- Toaster - Oven
- Trash Compactor
- Waffle Iron

Conserving Energy!

Concerned about your energy costs? You can take steps to reduce the amount of electricity you're using. Here are some suggestions:

Turn down your thermostat to 68 degrees in the Winter. For every degree you lower your heat in the 68 to 70 degree range, you'll save up to 3 percent on heating costs.

Set your thermostat to 78 degrees (or higher) in the Summer. For every degree you raise your air in the 70 to 80 degree range, you'll save up to 2 percent on cooling costs.

Replace heating system filters once a month. Dirty filters restrict airflow and increase energy use. Keeping your heating system clean, lubricated, and properly adjusted will reduce energy use. Savings are up to 5 percent of heating costs. Remember to replace your filter when you receive your monthly electric bill.

Reduce hot-water temperature. Set your water heater to the "normal" setting or 120 degrees, unless the owner's manual for your dishwasher requires a higher setting. Savings are 7-11 percent of water-heating costs. Make sure you turn off the breaker to your water heater before opening the panels. Insulate the first five feet of pipe coming out of the top of your water heater or the whole length until the pipe goes into the wall if that is less than five feet.

Seal up the leaks. Caulk leaks around windows and doors. Look for places where you have pipes, vents, or electrical conduits that go through the wall, ceiling, or floor. Check the bathroom, underneath the kitchen sink, pipes inside a closet, etc. If you find gaps around the pipes or vents, seal them up. Use canned foam insulation for large cracks.

Install Compact Fluorescent Lights (CFLs). CFLs are four times more efficient and last up to 10 times longer than incandescents. A 22-watt CFL has about the same light output as a 100-watt incandescent. CFLs use 50 - 80% less energy than incandescents. Although initially more expensive, CFLs save you money in the long run because they use 1/3 the electricity and last up to 10 times longer than incandescents. A single 18-watt CFL used in place of a 75-watt incandescent will save about 570 kWh over its lifetime.

For more tips on conserving energy and money, please visit **www.energyright.com/tips.htm.**

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TVA

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