



RE-ENERGIZE YOUR HOME

ENERGY

COST GUIDE

We all know that a lot of the stuff in our home uses energy - energy that we pay for. But exactly how much energy is each appliance or piece of equipment using and how much is it costing us? Although everyone's energy use is unique, here are some average numbers to give you an idea:

Appliances, electronics and lighting	Estimated energy use	Cost ¹ per month
Cable TV box (24 hours/day)	25.2 kWh	\$2.14
TV ² (6 hours/day)		
-Traditional CRT	36 kWh	\$3.06
-Plasma, 42"-55"	36 kWh	\$3.06
-LCD, 32"-40"	21.6 kWh	\$1.84
Computer and monitor ² (8 hours/day)		
-17" flat screen	18.2 kWh	\$1.55
-17" standard	21.6 kWh	\$1.84
-Laptop	12 kWh	\$1.02
Gaming console ² (4 hours/day)	2.9 kWh	\$0.24
Hair dryer (10 minutes/day on high)	7.5 kWh	\$0.64
Clothes dryer (5 loads/week)		
-Electric	100 kWh	\$8.50
-Natural gas	5 therms	\$5.10
Clothes washer (7 loads/week, cold/cold)		
-Energy-efficient (EE)	3.3 kWh	\$0.28
-Standard	3.9 kWh	\$0.33
Vacuum (1 hour/week)	4.8 kWh	\$0.41
Dishwasher	30 kWh	\$2.55
Natural gas cook top	2.9 therms	\$2.95

Electric range (30 minutes per day)

-Burners	22.5 kWh	\$1.91
-Oven	20 kWh	\$1.70

Refrigerator/freezer

-EE	50 kWh	\$4.25
-Standard, 10 years old	75 kWh	\$6.38

Lighting

(4 hours/day)

- 15-watt CFL bulb	1.8 kWh	\$0.15
- 60-watt incandescent	7.2 kWh	\$0.61

Heating³ and water heating⁴

Estimated energy use

Cost¹ per year

Electric water heating

-Standard	5,885.5 kWh	\$500.27
-EE tankless	5,374.1 kWh	\$456.81
-EE heat pump	2,659.8 kWh	\$226.09

Natural gas water heating

-Standard	261 therms	\$266.22
-EE tankless	183 therms	\$186.66

Electric heating

-Standard furnace	16,332.1 kWh	\$1,388.23
-Baseboard	12,059.5 kWh	\$1,025.06
-EE air-source heat pump	7,499.6 kWh	\$637.47
-EE ductless heat pump	7,273 kWh	\$618.21

Natural gas heating

-Standard furnace	703 therms	\$717.06
-EE furnace	614 therms	\$626.28
-Fireplace pilot light	75.6 therms	\$77.11
-Fireplace logs	54 therms	\$55.08

Furnace fan motor

-Standard, 8 hours/day	1,408.2 kWh	\$119.69
-EE, 8 hours/day	704.4 kWh	\$59.87
-Standard, 24 hours/day	2,730 kWh	\$232.05
-EE, 24 hours/day	1,365 kWh	\$116.02

Get specifics:

There are a number of online resources that can give you a more accurate picture of energy costs and savings tips based on your unique usage patterns. **Check out:**

- PSE's Energy Insider: PSE.opower.com
- Home Energy Yardstick: energystar.gov
- My PSE Account: PSE.com
- Home Energy Saver: hes.lbl.gov

1 Costs are based on average PSE residential rates for electric service (\$.085 per kWh) as of May 2010 and natural gas service (\$1.02 per therm) as of April 2010. Rates are based on usage of 1,000 kWh per month and 68 therms per month. These rates do not include the basic monthly charge.

2 Electronics like TVs, DVD players and game consoles can consume power even when not in use. Plug these items into a power strip that you can switch off when not in use to prevent standby energy use.

3 Lack of duct systems improves energy savings.

4 Source for water heater usage: U.S. Department of Energy