

APPLIANCE USAGE	DETAIL	ESTIMATED ENERGY USAGE*	ESTIMATED ENERGY COSTS**
<b>Heating</b>	<b>Space heating, electric</b>		
	Portable heater (1500W)	1.5 kWh per hour	\$0.14 per hour
	Baseboard heater (six foot unit) (250 W/foot)	1.5 kWh per hour	\$0.14 per hour
	Heat Pump heat strips	10 kWh per hour w/fan	\$.93 per hour
	Electric Furnace	10.5 kWh per hour w/fan	\$.98 per hour
	Heat Pump w/o heat strips (1.8 COP)***		
	1.5 ton	2.93 kWh per hour	\$0.27 per hour
	5.0 ton	9.77 kWh per hour	\$.91 per hour
<b>Air Conditioning/ Cooling</b>	Window/wall (8kBtu) (120V-12 EER)	0.73 kWh per hour	\$0.07 per hour
	Window/wall (18kBtu) (240V)	1.8 kWh per hour	\$0.17 per hour
	Central (3 ton-12 SEER)	3.0 kWh per hour	\$0.28 per hour
	Whole house fan	0.2-0.4 kWh per hour	\$0.02 - \$0.04 per hour
	Portable fan	0.03 kWh per hour	Less than \$0.003 per hour
	Ceiling fan	0.075 kWh per hour	\$0.01 per hour
<b>Water Heating</b>	Electric water heater	380 - 500 kWh per month	\$35.00- \$47.00 per month
(All uses)	Instantaneous (110 v 29 amp) @1gpm 70°F	380 - 500 kWh per month	\$35.00 - \$47.00 per month
	Instantaneous (240 v 50 amp) @2.5 gpm 83°F	12 kWh per hour	\$1.12 per hour
<b>Kitchen</b>	<b>Range, electric</b>		
	Oven	2.3 kWh per hour	\$0.21 per hour
	Oven: Surface	1-1.5 kWh per hour	\$0.093 - \$0.14 per hour
	Oven: Self-cleaning feature	6 kWh per hour cleaning	\$0.56 per cleaning

	Microwave oven	0.12 kWh per 5 min	\$0.01 per 5 min
	Broiler, portable electric	1.5 kWh per hour	\$0.14 per hour
	Coffee maker	0.12 kWh per brew	\$0.01 per brew
	Coffee maker/brew, warmer on	0.4 kWh per hour	\$0.04 per hour
	Dishwasher: normal cycle (not including hot water)	1 - 2.17 kWh per load	\$0.093 - \$0.20 per load
	Dishwasher: Energy saver cycle	0.5 kWh per load	\$0.05 per load
	Toaster (2 slices)	0.04 kWh per use	\$0.01 per use
	Toaster oven	0.75 kWh per hour	\$0.07 per hour
	Waffle iron, 4 servings	0.33 kWh per use	\$0.03 per use
<b>Refrigerator/Freezer</b>	<b>Older units</b>		
	Refrigerator (frost-free), 15 cu. Ft. (1996 unit)	150 kWh per month	\$13.95 per month
	Freezer (manual defrost), 15 cu. Ft.	90 kWh per month	\$8.37 per month
	<b>Newer Units - Energy Star Refrigerators</b>		
	Energy Star Refrigerator, 14 cu. Ft.	34.5 kWh per month	\$ 3.21 per month
	Energy Star Refrigerator (frost-free), 17 cu. Ft.	35 kWh per month	\$ 3.26 per month
	Energy Star Refrigerator (frost-free), 19 cu. Ft.	46 kWh per month	\$ 4.28 per month
	Energy Star Refrigerator (Side by Side) 21 cu. Ft.	51 kWh per month	\$ 4.74 per month
	Energy Star Refrigerator (frost-free) 24 cu. Ft.	54 kWh per month	\$ 5.02 per month
	Energy Star Refrigerator (Side by Side) 25 cu. Ft.	60 kWh per month	\$ 5.58 per month
<b>Electronics</b>	<b>Television</b>		
	> 50" Plasma	0.48 kWh per hour	\$0.04 per hour
	40" - 49" Plasma	0.4 kWh per hour	\$0.04 per hour
	> 50" LCD	0.016 kWh per hour	Less than \$0.01 per hour
	40" - 49" LCD	0.012 kWh per hour	Less than \$0.01 per

		hour
> 50" DLP	0.24 kWh per hour	\$0.02 per hour
40" - 49" DLP	0.2 kWh per hour	\$0.02 per hour
30" - 36" Tube	0.12 kWh per hour	\$0.01 per hour
25" - 27" Tube	0.09 kWh per hour	\$0.01 per hour
Recording/Video Playing Devices		
DVR (Tivo)	28.8 kWh per month	\$2.68 per month
VCR	0.02 kWh per hour	Less than \$0.01 per hour
DVD player	0.03 kWh per hour	Less than \$0.01 per hour
Gaming		
Nintendo Wii	0.02 kWh per hour	Less than \$0.01 per hour
Xbox 360	0.15 kWh per hour	\$0.01 per hour
Play Station 3	0.21 kWh per hour	\$0.02 per hour
Computers		
Desktop Computer	0.06 - 0.25 kWh per hour	\$0.01 - \$0.02 per hour
Desktop Computer on sleep/standby mode	0.001 - 0.006 kWh per hour	Less than \$0.01 per hour
Laptop	0.02 - 0.05 kWh per hour	Less than \$0.01 per hour
Monitor - 17" CRT	0.08 kWh per hour	\$0.01 per hour
Monitor - 17" LCD	0.04 kWh per hour	Less than \$0.01 per hour
Other		
Speakers (25 Watts x 2) normal volume	0.05 kWh per hour	Less than \$0.01 per hour
Stereo	0.05 kWh per hour	Less than \$0.01 per hour
Radio, CD player	0.02 kWh per hour	Less than \$0.01 per hour
<b>Lighting</b>	<b>Incandescent bulbs</b>	

	Incandescent bulb (40 W)	0.04 kWh per hour	Less than \$0.01 per hour
	Incandescent bulb (60 W)	0.06 kWh per hour	\$0.01 per hour
	Incandescent bulb (75 W)	0.08 kWh per hour	\$0.01 per hour
	Incandescent bulb (100 W)	0.1 kWh per hour	\$0.01 per hour
	Incandescent bulb (150 W)	0.15 kWh per hour	\$0.01 per hour
	Compact fluorescent (CFL)		
	Compact fluorescent (8 W) equivalent to 25 W incandescent	0.008 kWh per hour	Less than \$0.01 per hour
	Compact fluorescent (11 W) equivalent to 40 W incandescent	0.01 kWh per hour	Less than \$0.01 per hour
	Compact fluorescent (15 W) equivalent to 60 W incandescent	0.015 kWh per hour	Less than \$0.01 per hour
	Compact fluorescent (20 W) equivalent to 75 W incandescent	0.02 kWh per hour	Less than \$0.01 per hour
	Compact fluorescent (27 W) equivalent to 100 W incandescent	0.027 kWh per hour	Less than \$0.01 per hour
	Compact fluorescent (38 W) equivalent to 150 W incandescent	0.038 kWh per hour	Less than \$0.01 per hour
	Halogen		
	Halogen (300 W)	0.3 kWh per hour	\$0.03 per hour
<b>Laundry</b>	Clothes dryer (light load vs. heavy load)	2.5 - 4 kWh per load	\$0.23 - \$0.37 per load
	Electric heated water		
	Warm Wash, cold rinse	2.3 kWh per load	\$0.21 per load
	Hot wash, warm rinse	6.3 kWh per load	\$0.59 per load
<b>Household Goods</b>	Vacuum cleaner	0.75 kWh per hour	\$0.07 per hour
	Iron	1.08 kWh per hour	\$0.10 per hour
	Clock	2 - 4 kWh per month	\$0.19 - \$0.37 per month
	Night light (4w on 12-hours/day)	1.44 kWh per month	\$0.13 per month
	Electric Blanket: Twin	0.5 kWh/night	\$0.05/night
	Electric Blanket: Double/Queen	0.75 kWh/night	\$0.7/night

	Electric Blanket: King	1 kW/night	\$0.093/night
	Aquarium	0.05 - 1.21kWh per hour	\$0.01 - \$0.11 per hour
<b>Bathroom</b>	Hair dryer	1.5 kWh per hour	\$0.14 per hour
	Curling iron	0.05 kWh per hour	\$0.01 per hour
	Whirlpool tub	1.8 kWh per hour	\$0.17 per hour
<b>Swimming Pool</b>	Sweep pump (3/4 hp)	0.56 kWh per hour	\$0.0 per hour
	Filter pump (1-1/2 hp)	1.12 kWh per hour	\$0.10 per hour
	Filter pump (2 hp)	1.5 kWh per hour	\$0.14 per hour
<b>Spa/Hot Tub</b>	Electric heater (1500 W)	1.5 kWh per hour	\$0.14 per hour
	Electric heater (5500 W)	5.5 kWh per hour	\$0.51 per hour
<b>Medical Equipment</b>	Nebulizer	1 kWh per hour	\$0.093 per hour
	Oxygen Concentrator	0.46 kWh per hour	\$0.04 per hour
	Sleep Apnea Machine (CPAP)	0.2 kWh per hour	\$0.02 per hour
* Estimated energy use is based on average operation conditions. Individual use may vary.			
** Estimated costs based on \$0.093 per kWh			
*** COP = Coefficient of Performance. An electric resistance heater has a COP of 1			
GPM - Gallons per minute			
SEER - Seasonal Energy Efficiency Ratio (efficiency given to central air conditioning)			
EER - Energy Efficiency Ratio (efficiency given to window/wall air conditioners)			