#### **DAILY ENERGY USE CHART**

Date	Daily Reading	kWh used today	Desired kWh use/day	+/- Desired kWh budget

### Keeping Track of Energy Consumption

Using the daily energy use chart above can help you keep track of where and when you are using the most electricity.

First, figure how much electricity you wish to use per month to stay within your energy budget. Then read your meter daily and record the reading on this chart. Compare your daily totals against your daily budgeted amount and note the difference between your budgeted and actual energy use.

## **District Offices**

#### Gainesville District Office

11530 NW 39th Ave. Gainesville, FL 32606 (352) 372-8543

#### **Keystone Heights District Office**

P.O. Box 308; 65 SW Citrus Ave. Keystone Heights, FL 32656 (352) 473-4917

#### Lake City District Office

1797 SW SR 47 Lake City, FL 32025 (386) 752-7447

#### **Orange Park District Office**

734 Blanding Blvd. Orange Park, FL 32065 (904) 272-2456

#### Palatka District Office

300 N SR 19 Palatka, FL 32177 (386) 328-1432

#### Salt Springs District Office

P.O. Box 5500; 25180 E Hwy 316 Salt Springs, FL 32134 (352) 685-2111





# **Energy Efficiency of Household Appliances**

Electricity is an essential part of our everyday lives, and each month we purchase exactly the amount of electricity we need to support our lifestyles without giving it much thought.

However, understanding when and how we consume electricity may allow us to manage our energy purchases more efficiently. When we become more aware of our household energy expenditures, we can observe how the use of each appliance affects the electric bill. This allows us to better budget our purchases of electricity.

The amount of electricity purchased each month is the result of two basic components. (1)The electrical requirements of each appliance in the home (watts) and (2) the length of time the appliance is used (hours).

Electric bills are calculated in kilowatt hours (kWh). Kilowatt hours are determined by multiplying the wattage of the appliance by the number of hours it runs. A 100 watt light bulb burning for 10 hours equals 1,000 watt hours and will register on a meter as one kWh:

100 watts X 10 hours = 1,000 Watt hours or 1 kWh

We can lower our bills by (1) reducing the wattage of our appliances or (2) reducing the number of hours we use each appliance. Since the wattage of most appliances is something we cannot control, the easiest way to reduce the electric bill is to reduce the hours the appliances are used, and to use them more efficiently.

You can determine what it costs to operate specific appliances by first finding out the wattage of each appliance (listed on the appliance), multiplying the wattage by the hours it's used and dividing that number by 1,000. Then, multiplying that result by the cost you pay per kWh will tell you what it costs to run per hour.

\_\_watts X \_\_hours X \_\_cost for 1 kWh =

\$\_\_\_.

#### ESTIMATED KWH CONSUMPTION OF HOUSEHOLD APPLIANCES

	EST.	EST.		EST.	EST.
Appliance	kWh/ MONTH	COST/ MONTH	Appliance	kWh/ MONTH	COST/ MONTH
Air Purifier (room)	72.00	\$9.36	Microwave Oven	12.00	\$1.56
Aguarium Air Pump	3.60	\$0.47	Oven*	15.00	\$1.95
Aquarium (50 gal) & Accessories	82.80	\$10.76	Radio	2.70	\$0.35
Battery Charger for Cordless Appl.	4.32	\$0.56	Range, Stove Top, Small Burner*	4.50	\$0.59
Blanket, Electric*	36.00	\$4.68	Range, Stove Top, Large Burner*	3.56	\$0.46
Blender	0.33	\$0.04	Refrigerator, new, 16 cu. ft.*	75.60	\$9.82
Bread Maker*	2.80	\$0.36	Refrigerator, older, 16 cu. ft.*	216.00	\$28.08
Bug Light	28.80	\$3.60	Home Security System	17.28	\$2.25
Cell Phone Charger	0.36	\$0.05	Septic Tank Pump	8.00	\$1.04
Clock	1.44	\$0.19	Skillet, electric*	7.50	\$0.98
Clock Radio	1.80	\$0.23	Smoke Detector	0.29	\$0.04
Clothes Dryer, electric*	82.62	\$10.74	Swimming Pool Pump 1 HP	419.52	\$54.54
Clothes Dryer, gas*	10.71	\$1.39	Tivo	20.16	\$2.62
Coffee Maker*	10.48	\$1.36	Tool Battery Charger	4.32	\$0.56
Computer System & Printer	108.00	\$14.04	Treadmill 2 HP	27.00	\$3.51
Computer Monitor, 17" CRT	4.80	\$0.62	TV Cable Box	25.20	\$3.28
Dehumidifier*	144.00	\$18.72	TV, standard	27.00	\$3.51
Dishwasher (preheat)*	10.18	\$1.32	TV, projection	39.60	\$5.15
DVD	7.20	\$0.94	TV, plasma	91.80	\$11.93
Elec. Air Filter on HVAC Unit	28.80	\$3.74	TV, standby power	10.80	\$1.40
Fan, Attic	144.00	\$18.72	Toaster	1.43	\$0.19
Fan, Ceiling (high speed)	23.40	\$3.04	Trash Compactor	0.75	\$0.10
Fan, Portable 20"	64.80	\$8.42	Vacuum, central	3.20	\$0.42
Freezer, new 16 cu. ft.*	50.65	\$6.58	Vaccum, regular	5.60	\$0.73
Freezer, old 16 cu. ft.*	97.20	\$12.64	Video, DVD	0.60	\$0.08
Garage Door Opener	0.50	\$0.07	Washing Machine	15.96	\$2.07
Hair Curling Iron	15.00	\$1.95	Water Bed Heater 90 degrees*	72.90	\$9.48
Hair Dryer	5.52	\$0.72	Water Heater*	324.00	\$42.12
Heater, Portable*	90.00	\$11.70	Well Aerator	23.04	\$3.00
Heating Pad	0.24	\$0.03	Well Pump, 3/4 HP*	21.96	\$2.85
Hot Tub 102 deg.*	596.16	\$77.50	Well Pump, 1 HP*	26.64	\$3.46
Hot Tub 100 deg., energy efficient*	67.50	\$8.78	Well Pump, 1 1/2 hp*	34.56	\$4.49
Iron*	4.00	\$0.52			
Lighting, Small Mercury Vapor	63.00	\$8.19			
Nebulizer	1.62	\$0.21			
Oxygen Concentrator	302.40	\$39.31		'	1

<sup>\*</sup> cycling (on & off) is taken into account

Note: Energy consumption is measured in kilowatt hours (kWh) – the units of energy which flow through your electric meter. These estimated monthly costs are computed at 13¢ per kWh.