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.

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Gainesville, FL 32606
(352) 372-8543

Keystone Heights District Office
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Keystone Heights, FL 32656
(352) 473-4917

Lake City District Office
1797 S.W. 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 North SR 19
Palatka, FL 32177
(386) 328-1432

Salt Springs District Office
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Salt Springs, FL 32134
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Clay Electric Cooperative, Inc.
A Touchstone Energy® Cooperative

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Energy Efficiency of Household Appliances

How much electricity do your appliances use?

Clay Electric Cooperative, Inc.
A Touchstone Energy® Cooperative

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 for10 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 cost to run per hour.
__watts X __hours X __cost for 1 kWh = $____.___

ESTIMATED KWH CONSUMPTION OF HOUSEHOLD APPLIANCES

Appliance	EST. kWh/ MONTH	EST. COST/ MONTH
Air Purifier (room)	72.00	$7.92
Answering Machine	7.20	$0.79
Aquarium air pump	3.60	$0.40
Aquarium (50 gal) & accessories	82.80	$9.11
Battery charger for cordless appl.	4.32	$0.48
Blanket, Electric*	36.00	$3.96
Blender	0.33	$0.04
Bread Maker*	2.80	$0.31
Bug Light	28.80	$3.17
Cell Phone Charger	0.36	$0.04
Clock	1.44	$0.16
Clock Radio	1.80	$0.20
Clothes Dryer, electric*	82.62	$9.09
Clothes Dryer, gas*	10.71	$1.18
Coffee Maker*	10.48	$1.15
Computer system&printer	108.00	$11.88
Computer Monitor, 17" CRT	4.80	$0.53
Dehumidifier*	144.00	$15.84
Dishwasher (preheat)*	10.18	$1.12
DVD	7.20	$0.79
Elec. Air filter on HVAC unit	28.80	$3.17
Fan, attic	144.00	$15.84
Fan, ceiling (high speed)	23.40	$2.57
Fan, portable 20"	64.80	$7.13
Fax machine (always on)	30.96	$3.41
Freezer, new 16 cu. Ft.*	50.65	$5.57
Freezer, old 16 cu. Ft.*	97.20	$10.69
Garage Door opener	0.50	$0.06
Hair curling iron	15.00	$1.65
Hair dryer	5.52	$0.61
Heater portable*	90.00	$9.90
Heating pad	0.24	$0.03
Hot Tub 102deg.*	596.16	$65.58
Hot Tub 100deg., energy efficient*	67.50	$7.43
Iron*	4.00	$0.44
Lighting, Small Mercury Vapor	63.00	$6.93

Appliance	EST. kWh/ MONTH	EST. COST/ MONTH
Nebulizer	1.62	$0.18
Oxygen Concentrator	302.40	$33.26
Microwave oven	12.00	$1.32
Oven*	15.00	$1.65
Radio	2.70	$0.30
Range, stove top small burner*	4.50	$0.50
Range, stove top, large burner*	3.56	$0.39
Refrigerator, new 16 cu ft*	75.60	$8.32
Refrigerator, older 16 cu ft*	216.00	$23.76
Home Security System	17.28	$1.90
Septic tank pump	8.00	$0.88
Skillet, electric*	7.50	$0.83
Smoke detector	0.29	$0.03
Swimming pool pump 1 hp	419.52	$46.15
Telephone charger	4.32	$0.48
Tivo	20.16	$2.22
Tool battery charger	4.32	$0.48
Treadmill 2 HP	27.00	$2.97
TV cable box	25.20	$2.77
TV,standard	27.00	$2.97
TV, projection	39.60	$4.36
TV, plasma	91.80	$10.10
TV, standby power	10.80	$1.19
Toaster	1.43	$0.16
Trash Compactor	0.75	$0.08
Vacuum, central	3.20	$0.35
Vaccum, regular	5.60	$0.62
Video, DVD	0.60	$0.07
Washing Machine	15.96	$1.76
water bed heater 90 degrees*	72.90	$8.02
Water heater *	324.00	$35.64
Well aerator	23.04	$2.53
Well pump, 3/4 hp*	21.96	$2.42
Well Pump, 1 hp*	26.64	$2.93
Well Pump, 1 1/2 hp*	34.56	$3.80

* *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 11¢ per kWh.