

# APPLIANCE COST SHEET FOR A TYPICAL FAMILY OF FOUR

March 2014 - February 2015

Electric Rate per kWh Inside City Limits:

\$0.0713



	AVE Watts	Hrs Used per month	kWh per month	Cost per month
<b>Television</b>				
> 50" Plasma	475	120	57	\$4.06
40-49" Plasma	400	120	48	\$3.42
> 50" LCD	215	120	26	\$1.84
40"-49"LCD	150	120	18	\$1.28
> 50" DLP	235	120	28	\$2.01
40"-49" DLP	200	120	24	\$1.71
30"-36" Tube	115	120	14	\$0.98
25"-27" Tube	90	120	11	\$0.77
19"-20" Tube	70	120	8	\$0.60
<b>Electronics</b>				
Cable Box	15	730	11	\$0.78
Calculator, desk/printing	70	15	1	\$0.07
Clock Radio	10	720	7	\$0.51
Computer	300	120	36	\$2.57
DVD Player	20	4	0.08	\$0.01
DVR	33	730	24	\$1.72
Fax Machine	65	720	47	\$3.34
Printer, inkjet	125	240	30	\$2.14
Printer, laser	600	240	144	\$10.27
Stereo	400	60	24	\$1.71
Playstation 3	197	60	12	\$0.84
Wii	19	60	1	\$0.08
xBox 360	187	60	11	\$0.80

## ***OUTDOORS***

Lawn Mower	1000	8	8	\$0.57
Hot Tub (new)	4500	75	338	\$24.06

## ***Kitchen***

Can Opener	180	1	0.18	\$0.01
Coffee Maker	900	15	14	\$0.96
Crock Pot	80	30	2	\$0.17
Dishwasher	1,200	24	29	\$2.05
Garbage Disposal	450	3	1	\$0.10
Griddle	1,500	6	9	\$0.64
Hand Mixer	125	1	0.125	\$0.01
Kitchen Fan	250	7.5	2	\$0.13
Microwave	1,450	30	44	\$3.10
Range w/Oven	12,500	26	325	\$23.17
Self-cleaning Oven, use	4,000	3	12	\$0.86
Toaster	1,100	4	4	\$0.31
Toaster Oven	1,225	5	6	\$0.44

## ***UTILITY ROOM***

Clothes Dryer	5,000	15	75	\$5.35
Clothes Washer, general	500	15	8	\$0.53
Clothes Washer, horizontal axis	263	18	5	\$0.34
Dehumidifier	750	365	274	\$19.52
Electric Water Heater - 52 gallon	4,500	76	342	\$24.38
Iron	1,100	4	4	\$0.31
Sump Pump	500	20	10	\$0.71
Vacuum Cleaner	900	4	4	\$0.26

## **BATHROOM**

Curling Iron	50	5	0.25	\$0.02
Hair Dryer	1200	8	10	\$0.68

---

## **BEDROOM**

Electric Blanket	200	85	17	\$1.21
Water Bed Heater	300	380	114	\$8.13

---

## **REFRIGERATOR/FREEZER**

Freezer - 16 cu ft (auto-defrost)	400	260	104	\$7.42
Freezer - 16 cu ft (manual-defrost)	330	220	73	\$5.18
Refrig/freezer (14 cu ft), new	130	300	39	\$2.78
Refrig/freezer (14 cu ft), older	280	380	106	\$7.59
Refrig/freezer (18 cu ft), ENERGY STAR	175	280	49	\$3.49
Refrig/freezer (18 cu ft), older	400	380	152	\$10.84

---

## **HEATING/COOLING**

5 ft Baseboard Heater	1,250	360	450	\$32.09
Air Conditioner, Central	3,000	67	201	\$14.33
Air Conditioner, Room	860	74	64	\$4.54
Electric Furnace w/o Air Conditioner	8,500	321	2,729	\$194.54
Fan - ceiling	100	125	13	\$0.89
Fan - portable box	130	120	16	\$1.11
Heater - Portable	1,500	25	38	\$2.67
Whole House Fan	500	304	152	\$10.84

## LIGHTING

CFL (light output = 150w incandescent)	39	150	6	\$0.42
CFL (light output = 100w incandescent)	30	150	5	\$0.32
CFL (light output = 90w incandescent)	23	150	3	\$0.25
CFL (light output = 75w incandescent)	20	150	3	\$0.21
CFL (light output = 60w incandescent)	15	150	2	\$0.16
Light bulb, incandescent - 150w	150	150	23	\$1.60
Light bulb, incandescent - 100w	100	150	15	\$1.07
Light bulb, incandescent - 75w	75	150	11	\$0.80
Light bulb, incandescent - 60w	60	150	9	\$0.64
Light bulb, incandescent - 50w	50	150	8	\$0.53
Light bulb, incandescent - 40w	40	150	6	\$0.43



## Figuring out your Energy Costs

If you really want to control how much you spend for your electric energy, it's important to know how to compute the operating costs of your electrical of your electrical appliances, your electric furnace, and your lights.

Knowing these costs will help you see where your electric energy dollars are going, how much one appliance costs to operate compared to others, and how to conserve energy to lower your electric bill. Centralia City Light charges for the electricity you use by the kilowatt hour (kWh).

**To determine the kilowatt-hour use of an appliance, you must first determine the wattage of the appliance.** For example. a 60-watt light bulb has a wattage of 60; a 1500-watt portable heater has a wattage of 1500. You should be able to find the wattage listed on the appliance.

**Next, you need to determine how many continuous hours you use the appliance.**

The formula to determine kilowatt hours is  $(\text{Wattage} \times \text{Hours of use}) \div 1000 = \text{Kilowatt hours (kWh)}$

To determine the operating cost of that appliance, you would then multiply the kilowatt hours (kWh) by the current Centralia City Light rate for electricity.

### **FOR EXAMPLE:**

Your fan uses 600 watts and you use it for 40 hours/month.

To determine kilowatt hours:  $(600 \times 40) \div 1000 = 24 \text{ kWh}$  for a month

The cost to operate this fan in one month would be:

$$24 \text{ kWh} \times .0667 = \$1.60 \text{ for a month}$$

When shopping for new appliances, look for the ENERGY STAR logo. This designation means that the appliance has been rated as energy-efficient by the U.S. Department of Energy.

Visit our Web site at [www.cityofcentralia.com](http://www.cityofcentralia.com) , click Departments, Customer Service Center, Information and then you will see the Electric rates.