The Average Cost to Operate Electric Appliances...

For Redding Electric Utility Customers

APPLIANCE	KWH PER USE	AVERAGE COST TO OPERATE
CLOTHES DRYER	4 kWh per load	$0.61 per load
COFFEE MAKER	11 kWh per month	$1.68 per month
COMPUTER	0.07 - 0.32 kWh per hour	$0.01 - $0.05 per hour
DISHWASHER (with electric water heater)	4 kWh per load	$0.61 per load
EVAPORATIVE COOLER		
1/2 hp	0.5 kWh per hour	$0.08 per hour
3/4 hp	0.75kWh per hour	$0.11 per hour
FAN		
Ceiling	1 kWh per 10 hours	$0.15 per 10 hours
Portable	0.17kWh per hour	$0.03 per hour
Furnace	0.4 kWh per hour	$0.06 per hour
FREEZER		
Frost-Free		
8 cu. ft.	29 kWh per month	$4.43per month
15 cu. ft.	42 kWh per month	$6.42 per month
20 cu. ft.	57 kWh per month	$8.71 per month
LIGHTING		
100 Watt Incandescent Light Bulb	1 kWh per 10 hrs.	$0.15 per 10 hrs.
23 Watt CFL Light Bulb	0.23 kWh per 10 hrs.	$0.04 per 10 hrs.
MICROWAVE OVEN	.25 kWh per 10 minutes	$0.04 per 10 minutes
PORTABLE HEATER	1.5 kWh per hour	$0.23per hour
RANGE OVEN		
Oven (at 350 degrees)	3.5 kWh per hour	$0.53 per hour
Small Surface (on high)	1.3 kWh per hour	$0.20 per hour
Large Surface (on high)	2.4 kWh per hour	$0.37 per hour
Self Cleaning Feature	6 kWh per cleaning	$0.92 per cleaning
REFRIGERATOR		
Frost-free		
14cu. ft.	38 kWh per month	$5.81 per month
20 cu. ft.	50 kWh per month	$7.64 per mont
25 cu. ft.	74 kWh per month	$11.31 per month
SWIMMING POOL FILTER/PUMP	2184 kWh per year	$334 per year

REU
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APPLIANCE	KWH PER USE		AVG. $ TO OPERATE
TELEVISION			
Plasma 40” - 49”	5.0	kWh per 8 hours	$0.76 per 8 hours
LCD 40” - 49”	2.2	kWh per 8 hours	$0.34 per 8 hours
LED 55”	1.4	kWh per 8 hours	$0.22 per 8 hours
WASHING MACHINE			
Based on electric water heating			
Cold Water Only	0.5	per load	$0.08 per load
Warm Wash, Cold Rinse	2.0	per load	$0.31 per load
Hot Wash, Warm Rinse	6.0	per load	$0.92 per load
WATER HEATER	411	kWh per month	$62.80 per month

HOW TO FIND THE COST TO OPERATE OTHER APPLIANCES

Method

1. Divide the number of Watts the appliance uses by 1,000 to find the kiloWatts (kW). *(To find the Watts, see the nameplate on the appliance).*
2. Multiply the kW’s by the number of hours the appliance is used to find the kiloWatt-hours (kWh).
3. Multiply the kWh’s by the cost of electricity per kWh. The current rate is $0.15280.

Example

To calculate the cost of operating a 100-Watt lightbulb for 150 hours (5 hours per day for 30 days).

1. 100 watts divided by 1,000 watts per kiloWatt = 0.1 kiloWatts (kW)
2. 0.1 kW times 150 hours = 15 kiloWatt-hours
3. 15 kWh times $0.15280 per kWh = $2.29

- Operating Cost estimates are based on REU’s rates in effect as of March 1, 2014.
- Estimated energy use is based upon average operating conditions. The amount of energy you use may differ.
- Sources of energy usage are from the Edison Electric Institute and other utilities.

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ENERGY SAVING TIPS

Heat Pump Use

Do not increase the setting on your thermostat more than 2° F at a time, if you do your heat pump’s auxiliary heat strips will be triggered and spike/increase your energy use. Avoiding heat strip operation will save you energy and money. Many heat pump thermostats have a built-in set back feature, and are available for most heat pumps. Check with a Heating, Ventilation & Air Conditioning (HVAC) technician.

Thermostat Settings

The recommended thermostat setting during the day in the summer time is 78° F and in the winter time it should be set at 68° F. At bed time moving your thermostat 5 to 8 degrees higher in the summer and lower in the winter can save you money. Each degree drop for an eight-hour period reduces your fuel bill by one percent

Small Heaters

If you have a small plug-in heater, beware. Even though they are small, they can still draw up to 1500 watts which can run your bill up. Some advertize pennies a day but they don’t say how many pennies. Use the helpful ***How to Find the Cost to Operate other Appliances*** above to calculate the cost to operate your small heater.

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