The Average Cost to Operate Electric Appliances...

For Redding Electric Utility Customers

APPLIANCE	KWH PER USE		AVERAGE COST TO OPERATE
AIR CONDITIONER, CENTRAL (3 Ton)	570 - 1,750	kWh per month	$61 - $187 per month
	1,995 - 6,125	kWh per season	$213 - $654 per season
CLOTHES DRYER	4	kWh per load	$0.43 per load
COFFEE MAKER	11	kWh per month	$1.17 per month
COMPUTER	0.07 - 0.32	kWh per hour	$0.01 - $0.03 per hour
DISHWASHER (with electric water heater)	4	kWh per load	$0.43 per load
EVAPORATIVE COOLER			
1/2 hp	0.5	kWh per hour	$0.05 per hour
3/4 hp	0.75	kWh per hour	$0.08 per hour
FAN			
Ceiling	1	kWh per 10 hours	$0.11 per 10 hours
Portable	0.17	kWh per hour	$0.02 per hour
Furnace	0.4	kWh per hour	$0.04 per hour
FREEZER			
Frost-Free			
15 cu. ft.	150	kWh per month	$16.01 per month
18 cu. ft.	153	kWh per month	$16.33 per month
Manual Defrost			
15 cu. ft.	90	kWh per month	$9.60 per month
18 cu. ft.	104	kWh per month	$11.10 per month
FURNACE, ELECTRIC CENTRAL			
Small Homes & Apartments	350 - 700	kWh per month	$75 per month
	2,335	kWh per season	$249 per season
Large Homes & Apartments	700 - 2,000	kWh per month	$213 per month
	5,158	kWh per season	$550 per season
Heat Pumps	350 - 1,000	kWh per month	$107 per month
LIGHTING			
General Household	18	kWh per month	$1.92 per month
100-Watt Light Bulb	0.1	kWh per hour	$0.01 per hour
MICROWAVE OVEN	0.25	kWh per 10 minutes	$0.03 per 10 minutes
PORTABLE HEATER	1.5	kWh per hour	$0.16 per hour
RANGE OVEN			
Oven (at 350 degrees)	1.5	kWh per hour	$0.16 per hour
Small Surface (on high)	1.3	kWh per hour	$0.14 per hour
Large Surface (on high)	2.4	kWh per hour	$0.26 per hour
Self Cleaning Feature	6	kWh per cleaning	$0.64 per cleaning

APPLIANCE	KWH PER USE		AVG. $ TO OPERATE
REFRIGERATOR			
Frost-free			
16 cu. ft.	150	kWh per month	$16.01 per month
20 cu. ft.	180	kWh per month	$19.21 per month
Partial Defrost			
12 cu. ft.	70	kWh per month	$7.47 per month
Manual Defrost			
10 cu. ft.	60	kWh per month	$6.40 per month
SWIMMING POOL FILTER/PUMP	3,438	kWh per year	$367 per year
TELEVISION (Solid State)			
Black and White	0.4	kWh per 10 hours	$0.04 per 10 hours
Color	1	kWh per 10 hours	$0.11 per 10 hours
Instant-on Feature	5	kWh per month	$0.53 per month
WASHING MACHINE			
Based on electric water heating			
Cold Water Only	0.3	per load	$0.03 per load
Warm Wash, Cold Rinse	2.0	per load	$0.21 per load
Hot Wash, Warm Rinse	6.0	per load	$0.64 per load
WATERBED HEATER			
King-size bed at 90 degrees with uninsulated sides and bottom			
Bed covered, room 60 degrees	200	kWh per month	$21.34 per month
Bed covered, room 70 degrees	125	kWh per month	$13.34 per month
Bed uncovered, room 70 degrees	165	kWh per month	$17.61 per month
Insulated sides and bottom	85	kWh per month	$9.07 per month
WATER HEATER	481	kWh per month	$51.32 per month

REU
REDDING ELECTRIC UTILITY
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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 $0.1067.

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 $0.1067 per kWh = $1.60

- Operating Cost estimates are based on REU's rates in effect as of January 1, 2009.
- 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.