

REPRESENTATIVE WATTAGE RATINGS AND MONTHLY OPERATING COSTS - HOME APPLIANCES

Monthly Cost if based on Lewis County PUD rate of 4.91 cents/kWh - September, 2011

APPLIANCE	Average Wattage	Estimated Usage per Month	Estimated kWh Consumed per Month	Monthly Cost
Kitchen				
Coffee Maker - 10 cup automatic drip	1,500	15 hours	23	\$1.10
Can Opener	180	1	1	\$0.05
Dishwasher	1,400	20 loads	85	\$4.17
Garbage Disposal	445	2.5 hours	1	\$0.05
Freezer - 15 cu. ft. - Frost-free	440	Always on	151	\$7.41
Oven - Microwave	1,200	30	36	\$1.77
Oven - Conventional	3,500	30 hours	38	\$1.87
Oven - Self cleaning		1 cleaning	4	\$0.20
Range - Average large element	2,100	10 hours	21	\$1.03
Range - Average small element	1,600	15 hours	24	\$1.18
Refrigerator/freezer - 20 cu. ft. - frost free	615	Always on	188	\$9.23
Refrigerator/freezer - 20 cu. ft. post 2000	578	Always on	48	\$2.36
Toaster - 2 slice	1,100	1.5 hours	2	\$0.10
Waffle Iron	1,116	.75 hours	1	\$0.05
Bed & Bath				
Electric Blanket	175	240 hours	22	\$1.08
Curlers	350	15 hours	5	\$0.25
Blow Dryer	1,200	7.5 hours	9	\$0.44
Curling Iron	375	7.5 hours	3	\$0.15
Laundry				
Dryer	4,800	26 loads	115	\$5.65
Iron	1,090	4 hours	2	\$0.10
Washing Machine	540	26 loads	8	\$0.39
Water Heater - Standard	2,475	As needed*	352	\$17.28
Water Heater - Quick Recovery	4,474	As needed*	401	\$19.69
Home Office				
Fax Machine	65	720 hours	46	\$2.26
Home Computer w/ Monitor	400	200 hours	80	\$3.93
Ink jet Printer	25	200 hours	5	\$0.25
Laser Printer	300	200 hours	60	\$2.95
Misc. Household Items				
Ceiling Fan	60	180 hours	11	\$0.54
Clock	2	Always on	1	\$0.05
Dehumidifier	257	Always on	31	\$1.52
Fish Tank - with pump, light, and heater	130	Always on	18	\$0.88
Hot Tub - ins. fiberglass -300 gals @ 106 F	7,000	100	700	\$34.37
Lighting - 100 watt incandescent bulb	100	180 hours	18	\$0.88
Lighting - 40 watt 4' fluorescent tube	40	180 hours	7	\$0.34
Lighting - 18 watt compact fluorescent	18	180 hours	3	\$0.15
Stereo/CD Player	80	120 hours	10	\$0.49
Table top Air Cleaner	16	270 hours	4	\$0.20
Television - 42" plasma	284	180 hours	51	\$2.50
Television - 32" LCD	114	180 hours	21	\$1.03
Vacuum Cleaner	650	4 hours	3	\$0.15
Water Pump - 1 horsepower well pump	1,000	200	200	\$9.82

* These appliances are thermostatically controlled and are not on continuous

For items not shown on this list, use the following equation to calculate the monthly energy cost

$$\frac{\text{Average wattage of item} \times \text{hours use per month}}{1000} \times 0.0491 = \text{monthly cost to operate}$$

Watt - basic unit for measuring amounts of energy use

Watts = Volts x Amps. Use this formula to calculate wattage if unknown

Kilowatt (kW) - 1000 watts. A convenient measure for typical amounts of energy consumed

Kilowatt hour (kWh) - 1000 watts delivered for one hour. This is how energy use is measured

Wattage - the amount of energy used by an appliance

NOTE: Taxes and other charges not included in cost estimates. Customer costs will vary based on individual usage

For more information on energy efficiency, contact our Conservation Dept. at (360)748-9261 ext. 430/454 or toll free, at 1-800-562-5612 ext. 430/454, or visit our website at www.lcpud.org.