

# ENERGY USE OF COMMON APPLIANCES

		Wattage	Usage	kWh/month	Cost/Month
<b>FOOD PREPARATION</b>	Baby food warmer	165	0.5 hr / day	2.5	\$0.21
	Blender / Food Processor / Slicer	250	2 hr / mo.	0.5	\$0.04
	Can opener	100	2 hr / mo.	0.2	\$0.02
	Cooker-fryer/Deep Fryer	1200	2 hr / mo.	2.4	\$0.20
	Coffee maker	890	1 hr / day	27.1	\$2.30
	Crock Pot	200	8 hr / mo.	1.6	\$0.14
	*Dishwasher (water not included)	1200	1 hr / day	36.5	\$3.10
	Rice Cooker/Vegetable Steamer	1200	2 hr / mo.	2.4	\$0.20
	Griddle/skillet/frying pan	1200	0.5 hr / day	18.3	\$1.55
	Hot plate	1200	8 hr / mo.	9.6	\$0.82
	Kettle	1500	0.2 hr / day	9.1	\$0.78
	Microwave oven	1450	0.5 hr / day	22.1	\$1.87
	Range/oven, self cleaning	12200	0.5 hr / day	185.5	\$15.77
	Toaster	1100	0.1 hr / day	3.3	\$0.28
	Toaster oven - toasting or baking	1500	12 hr / mo.	18.0	\$1.53
	Trash compactor	400	2 hr / mo.	0.8	\$0.07
	Warming tray	140	4 hr / mo.	0.6	\$0.05
Waste disposal	400	0.1 hr / day	1.2	\$0.10	
<b>FOOD PRESERVATION</b>	*Freezer, 15-21 cu. ft.:				
	Manual defrost	341		100.0	\$8.50
	Automatic defrost	440		150.0	\$12.75
	*Refrigerator/freezer:				
	Manual defrost, 10-15 cu. ft.	241		125.0	\$10.63
	Automatic defrost, 16-18 cu. ft.	321		185.0	\$15.73
Automatic defrost, 20+ cu. ft.	400		200.0	\$17.00	
<b>COMFORT CONDITIONING</b>	Air cleaner	50		18.0	\$1.53
	*Air conditioner, room	860		220.0	\$18.70
	Blanket, electric	150		20.0	\$1.70
	*Dehumidifier	250		50.0	\$4.25
	Humidifier	200		15.0	\$1.28
	Fan, attic	370		24.0	\$2.04
	Fan, furnace	300		90.0	\$7.65
	Fan, portable	171		35.0	\$2.98
	Fan, window	200		45.0	\$3.83
	*Ceiling Fan				
	Heater, portable (Space Heating)	1500	4.0 hr / day	182.5	\$15.51
	Wall Heater	2000	4.0 hr / day	243.3	\$20.68
	Heating pad	65		1.0	\$0.09
Waterbed heater	400		100.0	\$8.50	
<b>HEALTH AND BEAUTY</b>	Curling iron	40	0.1 hr / day	0.1	\$0.01
	Hair dryer, hand held	1500	0.1 hr / day	4.6	\$0.39
	Shaver	15	0.1 hr / day	0.0	\$0.00
<b>LAUNDRY</b>	Clothes dryer	5000	16 hr / mo.	80.0	\$6.80
	*Clothes washer (water not included):	512	16 hr / mo.	8.2	\$0.70
	Iron	1100	0.1 hr / day	3.3	\$0.28
<b>WATER</b>	Well pump, ½ hp	500	6.0 hr / day	91.3	\$7.76
	Pond or irrigation pump, ½ hp				\$0.00
	40 gallon tank water heater	4500		250.0	\$21.25
	Instantaneous water heater	15000	0.5 hr / day	228.1	\$19.39
	Freeze Protection (Pipe Wrap)				
<b>HEATING &amp; COOLING</b>	Per 1,000 Sq Ft. House				
	Electric Resistance (Baseboard, Ceiling, Wall heaters)			1,700	\$144.50
	Electric Furnace			1,900	\$161.50
	Heat pump, heating			1,200	\$102.00
	Heat Pump, cooling			600	\$51.00
	Geothermal Heat pump, heating			800	\$68.00
	Geothermal Heat Pump, cooling			400	\$34.00
	Whole house Air Conditioner			600	\$51.00

		Wattage	Usage	kWh/month	Cost/Month
<b>LIGHTING</b>	Typical household lighting, 1,000 Sq Ft. House	1.0 Watt/SF	8.0 hr / day	243.3	\$20.68
	2-32 watt 48 inch fluorescent tube fixture	92	8.0 hr / day	22.4	\$1.90
	60 watt incandescent bulb	60	8.0 hr / day	14.6	\$1.24
	100 watt incandescent bulb	100	8.0 hr / day	24.3	\$2.07
	7 watt compact fluorescent (CFL) ~ 40W incand.	7	8.0 hr / day	1.7	\$0.14
	11 watt compact fluorescent (CFL) ~ 60W incand.	11	8.0 hr / day	2.7	\$0.23
	15 watt compact fluorescent (CFL) ~ 75W incand.	15	8.0 hr / day	3.7	\$0.31
	LED Track Light 4 feet	14	8.0 hr / day	3.4	\$0.29
	175 watt yard light, mercury vapor	175	12.0 hr / day	63.9	\$5.43
	250 watt yard light, mercury vapor	250	12.0 hr / day	91.3	\$7.76
<b>HOME ENTERTAINMENT</b>	Radio	70		7	\$0.60
	Cable box or Satellite TV receiver	160		30	\$2.55
	Stereo receiver	110		9	\$0.77
	Television (on 8 hrs per day):				
	25" Color, CRT	310	8	75	\$6.41
	36" LCD Flat Screen	175	8	43	\$3.62
	56" TV Rear Projection	200	8	49	\$4.14
	60" Plasma TV, operating / power off	560	8	136	\$11.58
	Video cassette recorder	30	1	0.1	\$0.01
	DVD Player	30	1	1	\$0.09
Computer Game set	200	2.0 hr / day	12.2	\$1.03	
<b>HOME OFFICE</b>	Computer, Laptop	45	4.0 hr / day	5.5	\$0.47
	Computer, Desktop	200	4.0 hr / day	24.3	\$2.07
	Desktop Computer on / power save mode	10	16.0 hr / day	4.9	\$0.41
	Computer printer, ink jet	30	0.5 hr / day	0.5	\$0.04
	Computer printer, laser	200	0.5 hr / day	3.0	\$0.26
	Printer /sleep mode	10	23.5 hr / day	7.1	\$0.61
	15" CRT monitor	80	4.0 hr / day	9.7	\$0.83
	15" CRT monitor / sleep mode	15	16.0 hr / day	7.3	\$0.62
	17" LCD flat screen	35	4.0 hr / day	4.3	\$0.36
	17" LCD flat screen / sleep mode	5	16.0 hr / day	2.4	\$0.21
	Cable Modem / Wireless router	10	24.0 hr / day	7.3	\$0.62
	Fax Machine / Copier / Scanner				\$0.00
	Answering Machine	10	24.0 hr / day	7.3	\$0.62
	*Cordless Phone				\$0.00
Phone Chargers, Battery Chargers				\$0.00	
<b>MISCELLANEOUS</b>	Clock	3		2	\$0.17
	Hot Tub, 8 hrs per day, incl. water heating	1500		300	\$25.50
	Shop tools (table saw, planer, etc)				\$0.00
	Engine block heater	750		145	\$12.33
	Sewing machine	75		1	\$0.09
	Garage Door Opener	300	0.5 hr / day	4.6	\$0.39
	Vacuum cleaner	1200	0.2 hr / day	7.3	\$0.62
	Aquarium	150	24.0 hr / day	109.5	\$9.31
	Leaf Blower, 2 hrs per day	1080	2.0 hr / day	65.7	\$5.58

- denotes less than 1/2 kilowatt-hour per month

\* denotes ENERGY STAR APPLIANCES

Costs per month are based on Lane Electric's current rate of 8.5 cents per kilowatt-hour (\$ 0.085/kWh). Values have been rounded to the nearest cent.

SOURCES:

Association of Home Appliance Manufacturers  
Edison Electric Institute  
Lane Electric Cooperative

