

HOME APPLIANCE OPERATING COSTS



Energy Rate per kWh: **0.0741**

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Household Appliances	Assumed Usage kWh	Usage Hours Month	Monthly Cost kWh
Aquarium/Terrarium	0.063	720	\$3.33
Clock	0.003	720	\$0.15
Electric Blanket, king size, 125 W	0.125	90	\$0.83
Fan, Portable, 200 W	0.200	60	\$0.89
Heater, Portable, 1.5 kW	1.500	60	\$6.67
Heating Pad, 75 W	0.075	6	\$0.03
Sewing machine	0.300	8	\$0.18
Vacuum cleaner, Canister	0.750	8	\$0.44
Waterbed heater, 300 W	0.300	360	\$8.00

Kitchen Appliances

Blender	0.350	1	\$0.03
Coffeemaker--1 pot day	0.120	30	\$0.27
Coffeemaker--1 hour warming	0.400	120	\$3.56
Bread machine--1 loaf	0.900	1	\$0.07
Bread machine--4 loafs month	0.900	4	\$0.27
Dishwasher	2.400	30	\$5.34
Disposal, 1/2 hp	0.370	1	\$0.03
Food processor, 1/2 hp	0.370	1	\$0.03
Freezer, manual defrost, 15 cf, 1975 model	0.187	360	\$4.99
Freezer, manual defrost, 15 cf, 1995 model	0.187	240	\$3.33
Frying pan	1.000	10	\$0.74
Microwave	0.750	15	\$0.83
Mixer, countertop	0.220	2	\$0.03
Mixer, hand	0.070	2	\$0.01
Oven	1.330	60	\$5.91
Oven, self-cleaning	6.000	1	\$0.44
Range. .5 kW	0.500	60	\$2.22
Range hood	0.350	30	\$0.78
Refrigerator, frost free, 21 cf. 1975 model	0.416	360	\$11.10
Refrigerator, frost free, 21 cf. 1995 model	0.416	144	\$4.44
Toaster, 2 slot	1.000	1	\$0.07
Toaster oven	1.400	2	\$0.21

Bathroom Appliances

Curling Iron	0.19	30	\$0.42
Electric toothbrush	0.01	15	\$0.01
Hair dryer, 1.2 kW	1.20	5	\$0.44
Hair rollers, 350 W	0.35	30	\$0.78
Night light, 4 W continuous	0.00	720	\$0.21

Laundry Appliances

Clothes dryer	5.00	30	\$11.12
Clothes washer, cold/cold	0.25	30	\$0.56
Clothes washer, warm/cold	1.42	30	\$3.16
Clothes washer, hot/warm	3.76	30	\$8.36
Iron	1.00	6	\$0.44

Outdoor Appliances

Automobile block heater, 600 W	0.60	360	\$16.01
Circular saw, 1 hp	0.75	4	\$0.22
Garage door opener, 1/2 hp	0.37	2	\$0.06
Grill, electric, 5.9 kW, (20,000 Btu/hr)	5.84	2	\$0.87
Hand drill, electric	0.25	1	\$0.02
Lawn mower, electric	0.56	8	\$0.33
Leaf blower	0.57	4	\$0.17
Vacuum, shop	0.75	4	\$0.22
Weed eater, electric	0.36	8	\$0.21
Weed eater, rechargeable	0.47	8	\$0.28

Consumer Electronics

Battery Charger	0.01	30	\$0.02
Computer, desktop, standard	0.20	60	\$0.89
Computer, desktop, energy saver	0.16	60	\$0.71
Radio	0.00	240	\$0.01
Slide projector	0.15	2	\$0.02
Stereo	0.10	60	\$0.44
Telephone with answering machine	0.01	720	\$0.75
Telephone without answering machine	0.00	720	\$0.21
Television, 13" black & white	0.03	75	\$0.16
Television, 13" color	0.09	75	\$0.51
VCR	0.02	20	\$0.03
Video game	0.01	45	\$0.03

Heating and Cooling Appliances

A/C window 1 Ton EER=9	1.3	120	11.56
A/C window 1 Ton EER=10	1.2	120	10.67
A/C Central 3 Ton EER=16	2.25	120	20.01
Dehumidifier	0.78	120	6.94
Electric central heat 17.6 kW	17.6	120	156.50
Electric wall furnace 8.8 kW	8.8	120	78.25
Heat pump 2.5 Ton SEER=14	2.12	120	18.85
Heat pump 2.5 Ton HSPF=9	3.45	120	30.68
Humidifier	0.035	120	0.31
Swimming Pool heater 88 kW	88	30	195.62
Swimming Pool pump 1/2 hp	0.373	360	9.95
Spa-Hot Tub, electric 7.5 kW	7.5	120	66.69

Lighting

Incandescent, 75 W	0.075	240	1.33
Compact fluorescent, 18 W	0.018	240	0.32

Water Heating

50-gallon, .93 energy factor, quick recovery	4.5	100	33.35
50-gallon, standard, quick recovery	4.5	150	50.02
Heat pump water heater, 50 gallons	2	100	14.82