

# Residential

## ESTIMATED ELECTRICAL CONSUMPTION

Estimated monthly costs are based on a residential rate of \$0.1171 per kilowatt-hour (kWh) and do not include the monthly Service Availability Charge or taxes when applicable. Average hours used will vary according to your family's lifestyle. Appliances that are not in proper working order may cost considerably more to operate.

### Kitchen

	Average Wattage	Average hours used daily	Average kWh per month	Estimated monthly cost
BBQ grill (electric)	1,350	.5	20	\$2.40
Blender	150	.5	2	\$0.27
Can opener	175	0.03	0.2	\$0.02
Coffee maker (drip)	850	.25	6	\$0.76
Corn popper	175	0.07	1	\$0.04
Crock pot	200	1	6	\$0.71
Deep fryer	400	.25	3	\$0.36
Dishwasher *	1,190	1	36	\$4.24
Garbage disposal	400	0.03	3	\$0.05
Food processor	175	.25	1	\$0.16
Freezer, standard 15 cu. ft.	350	14	147	\$17.45
Freezer, frost-free 15 cu. ft.	440	14	185	\$21.94
Frying pan	1,200	.5	18	\$2.14
Microwave oven	1,450	.4	17	\$2.07
Mixer (stand or hand)	110	.4	1	\$0.16
Oven – convection	2,200	.4	26	\$3.13
Oven – standard	2,000	.67	40	\$4.77
Range	12,000	.4	144	\$17.10
Refrigerator (standard)	265	14	111	\$13.21
Refrigerator/freezer (side-by-side)	900	6	162	\$19.23
Refrigerator, frost-free 16'	475	13	185	\$21.99
Refrigerator, frost-free 20'	540	15	243	\$28.85
Refrigerator, 4.4 cu. ft. (dorm size)	75	12	27	\$3.21
Roaster	1,450	.5	22	\$2.58
Toaster	1,100	.1	3	\$0.39
Toaster oven	1,500	.25	11	\$1.34
Trash compactor	600	0.03	0.6	\$0.07
Waffle iron	1,100	0.25	8	\$0.98

### Home Entertainment

	Average Wattage	Average hours used daily	Average kWh per month	Estimated monthly cost
Computer PC desktop	85	5	5	\$1.51
Radio	20	7	4	\$0.50
32 inch flat screen TV	40	5	6	\$0.71
60 inch flat screen TV	60	5	9	\$1.07
Treadmill 2 h.p.	2,000	.5	30	\$3.56

*"To measure is to know." -Lord Kelvin*

## Heating and Cooling

	Average Wattage	Average hours used daily	Average kWh per month	Estimated monthly cost
Air conditioner (3 ton central; 14 SEER)	4,500	12	1,643	\$192.34
Air conditioner (14,000 btu window unit)	1,875	8	450	\$53.43
Attic Fan (Summer only)	500	2	30	\$3.56
Baseboard heater (1,500 watts)	1,500	8	360	\$42.74
Central electric furnace (15,350 watts)	15,350	8	3,684	\$437.39
Heat pump-cooling (3 ton 14 SEER)	4,500	12	1,643	\$192.34
Heat pump-heating (2,000 sq. ft.)	6,120	12	2,203	\$261.58

## Miscellaneous

	Average Wattage	Average hours used daily	Average kWh per month	Estimated monthly cost
Septic pump	1,000	1	39	\$4.63
Well pump	1,000	2	45	\$5.34
Dehumidifier (seasonal)	300	24	216	\$25.64
Oxygen concentrator	460	24	331	\$39.32
Ceiling fan 4 ft. diameter	100	6	18	\$2.14
175 w mercury vapor (dusk-to-dawn)	175	11.8	63	\$7.36
100 w metal halide (dusk-to-dawn)	100	11.8	36	\$4.20
Incandescent light bulb	100	5	15	\$1.78
Incandescent light bulb	60	5	9	\$1.07
Compact fluorescent bulb (equivalent to 60 w incandescent)	14	5	2.1	\$0.25
LED bulb (equivalent to 60 w incandescent)	7	5	1.1	\$0.12
Christmas lights – 100 small	50	5	8	\$0.89

## Bedroom

	Average Wattage	Average hours used daily	Average kWh per month	Estimated monthly cost
Electric blanket	200	8	48	\$5.70
Water bed (any size)	300	12	108	\$12.82
Humidifier (warm mist)	384	6	69	\$8.21
Heating pad	65	.5	1	\$0.12

## Laundry

	Average Wattage	Average hours used daily	Average kWh per month	Estimated monthly cost
Iron	1,100	.5	17	\$1.96
Washer with hot water *	600	.5	9	\$1.07
Washer without hot water	500	.25	4	\$0.45
Clothes dryer	5,000	.5	75	\$8.90
Water heater 3 people **	4,500	4	420	\$49.18
Heat pump water heater (EF @ 2.5) 3 people **	1,800	4	168	\$19.67

\*The cost of furnishing hot water to these appliances is greater than the cost of operating the appliances, which includes a motor, timer control and built-in lighting (when equipped).

\*\* The energy consumption of water heaters related to the size of each family varies widely. The amount of clothes washing, bathing habits and temperature of tap water have a direct bearing on usage. The age of household members may also determine the quantity of hot water usage each month. A simple rule-of-thumb is: 275 to 375 kWh for 2 people (including heat loss of the tank), and 80 to 110 kWh for each additional person.