

ENERGY SENSE

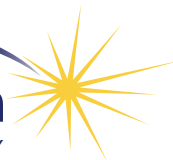


How Much Energy
Do Your Appliances and Electronics Use?

People. Power. Possibilities.

Central Hudson

A FORTIS COMPANY



The amount of electricity you use is measured in and priced by kilowatt-hours (kWh). Each kWh of electricity is actually 1,000 watts of electricity used continuously for one hour.

The average monthly kWh usage in the following charts was developed by New York State utilities and approved by the New York State Public Service Commission. THE FIGURES ARE ONLY ESTIMATES. Your actual usage may vary depending on the size of your family, the age and size of a particular appliance, how often it is used, and the efficiency of the appliance.

You can calculate the approximate operating cost of any electrical appliance by checking its wattage and using these formulas:

$$1. \frac{\text{Wattage} \times \text{Hours Used}}{1,000} = \text{kWh}$$

$$2. \text{kWh} \times \text{Cost per kWh} = \text{Operating Cost}$$

Since the cost per kWh fluctuates from month to month, please check your most recent Central Hudson bill or the Central Hudson web site at www.CentralHudson.com/residential/energyinfo.html for the most current pricing information.

A NOTE ABOUT THE COST OF ENERGY

Under Central Hudson's Customer Choice Plan, you have the opportunity to choose another electric and/or natural gas supplier; Central Hudson will continue to be your energy delivery company.

If you do not elect to choose another supplier, Central Hudson will purchase the energy on your behalf. Because Central Hudson no longer owns the power plants where electricity is produced, we cannot control the price our customers pay for the electricity to the extent we did in the past. We purchase electricity and natural gas on your behalf, and pass our supply cost along to you, without any markup or profit. While our delivery costs will remain stable, prices for the supply of electricity and natural gas will fluctuate, based on actual supply and demand.

APPLIANCE USAGE CHART

Home Entertainment	Average Wattage	Estimated Monthly Hours of Use	Estimated Monthly kWh Usage
Cable TV Converter Box	25	180	5
Satellite Dish	100	180	18
DVD	60	120	7
VCR	38	50	2
Television - 13" (Black and White)	48	185	9
Television Cable Converter Box	35	720	25
Television/DVD/VCR Combination	120	120	14
Stereo System (tuner/receiver, speakers)	150	50	8
Portable Stereo (boom box)	30	50	2
Audio System (dual tape deck)	40	60	2
Alarm Clock or AM/FM Clock Radio	4	720	3
CD Player (5 disk changer)	20	60	1
Video Game			
without TV	13	200	3
with TV	200	30	6
Home Theatre Receiver	100	180	18

Television type, wattage and usage varies widely from household to household. Televisions also have what is called a "standby load." That is the electricity that is used even when the television is not turned on. Supplied on the next page is some information pertaining to how much a television uses hourly and its standby usage based on the average wattage given.

Televisions	Average Wattage	kWh per Hour Use	Annual kWh Standby
Plasma			
>50"	475	0.704	88
40" - 49"	400	0.515	44
LCD			
>50"	215	0.260	18
40" - 49"	150	0.197	18
DLP (Digital Light Processing)			
> 50"	235	0.786	210
40" - 49"	200	0.660	175
Tube			
30" - 36"	200	0.384	70
25" - 27"	150	0.266	44
19" - 20"	125	0.241	44
Projection			
42'-50'	320	120	38

Home Office			
Home Computer			
(17" color monitor & speakers)	250	65	16
Laptop Computer	50	65	3
Printer			
Ink/Bubble Jet (in use)	180	15	12
(on standby)	3	120	0.4
Laser (in use)	800	15	12
(on standby)	35	180	6
Modem (Cable or Phone)	20	180	4
Scanner	45	3	0.1
Typewriter	35	8	0.3
Fax Machine			
Thermal Paper	95	2	0.2
Laser	257	2	1
(on standby)	5	720	4
Answering Machine	20	720	14

Home Office	Average Wattage	kWh per Hour Use	Annual kWh Standby
Cordless Telephone	3	720	2
Copier (desktop, 1000 copies per month)	800	38	30
(on standby)	100	160	16

Lighting			
Fluorescent			
9 Watt	9	135	1
15 Watt	15	135	2
27 Watt	27	135	4
40 Watt	40	135	5
80 Watt	80	135	11
Incandescent			
7.5 Watt	7.5	135	1
40 Watt	40	135	5
60 Watt	60	135	8
75 Watt	75	135	10
100 Watt	700	135	14
Outdoor/Security			
Dusk to Dawn (HP Sodium)	100	300	30
Dusk to Dawn (MV)	175	300	53
Floodlight			
Incandescent	150	300	45
Mercury Vapor	150	300	45
Security (HP Sodium)	70	300	21
Landscape lights (per bulb)	5	300	2
Christmas Lights			
100 Large Bulbs	70	150	10
100 Small Bulbs	50	150	8

Health & Beauty			
Electric Curlers	5	5	2
Curling Iron	7	7	0.3
Electric Toothbrush	76	76	0.3

Health & Beauty	Average Wattage	Estimated Monthly Hours of Use	Estimated Monthly kWh Usage
Germicidal Lamp	588	588	12
Hair Dryer			
Hard Bonnet	4	4	5
Hand Held	3	3	4
Shaver	4	4	0.1
Sunlamp	6	6	2
Vaporizer	6	6	3
Water Bed	191	191	68
Oxygen Concentrator	240	240	96
Nebulizer	60	60	11
Kidney Dialysis	65	65	94
Specialty Adjustable Bed	240	240	20
Heating Pad	20	20	1
Vaporizer			
Cool Air	240	240	10
Warm Air	125	125	77

Comfort Conditioning			
Room A/C			
5000-6000 BTU	684	163	111
7000-9000 BTU	942	163	154
10000-12000 BTU	1,378	163	225
18000 BTU	2,000	163	326
Central A/C			
24000 BTU	2,400	190	456
36000 BTU	3,600	190	684
48000 BTU	4,800	190	912
Humidifier	176	237	42
Dehumidifier			
25 pints	616	367	226
40 pints	632	362	229
50 pints	733	367	269
Portable Heater	1,212	92	112

Comfort Conditioning	Average Wattage	Estimated Monthly Hours of Use	Estimated Monthly kWh Usage
Fan	438	238	104
Attic	382	216	83
Ceiling	100	226	23
Window	175	221	39
Table/Box	100	120	12
Oil Burner Motor	235	284	67
Heat System Circulator	154	253	39
Electric Water Heater			
(inc. hot water for laundry)	4,500	99	446
Air Cleaner	1,600	302	17
with furnace fan	400	180	72
portable	113	30	3

Food Preparation			
Broiler	1,260	6	8
Carving Knife	100	15	2
Coffee Maker			
Percolator	725	11	8
Drip	1,225	9	11
Deep Fryer	1,487	5	7
Food Processor	405	6	2
Fry Pan	1,274	7	9
Griddle/Waffle Iron/Sandwich Grill	1,200	5	6
Hot Plate	1,200	7	8
Tea Kettle	1,500	4	6
Mixer/Blender	142	2	0.3
Microwave Oven			
(1.25 cu. Ft.)	1,463	7	10
Toaster Oven	1,440	7	10
Toaster	1,149	3	3

<i>Food Preparation</i>	Average Wattage	Estimated Monthly Hours of Use	Estimated Monthly kWh Usage
Popcorn Popper	12,133	9	109
(hot air)	12,200	8	98
(oil)	1,400	4	6
Range			
with Oven	12,133	9	109
Self-Cleaning	12,200	8	98
Rotisserie	1,400	4	6
Slow Cooker	179	23	4

<i>Food Preservation</i>			
Refrigerator			
1.7 cu ft	126	720	30
14 cu ft	226	720	65
14 cu ft Frost Free	383	720	91
17 cu ft Frost Free	463	720	110
18.2 cu ft Frost Free	479	annually	
19 cu ft Frost Free	509	720	121
21 cu ft Frost Free	572	720	136
21 cu ft Side by Side Frost Free	783	720	186
24 cu ft Frost Free	653	720	155
25 cu ft Side by Side Frost Free	841	720	200
Kenmore Microhood Combination	1700	10	

<i>Housewares</i>			
Clock	2	725	1
Sewing Machine	85	13	1
Waterbed Heater	375	273	102
Can Opener	150	26	4
Garbage Disposal	1440	6	9
Heating Cable	200	720	144

<i>Housewares</i>	Average Wattage	Estimated Monthly Hours of Use	Estimated Monthly kWh Usage
Heating Tape			
25ft	206	62	13
water pipes	240	540	130
roof/gutter	400	360	144
Vacuum Cleaner			
Central	445	3	1
Regular	800	10	8
Electric Blanket			
twin bed	75	120	9
king size bed	150	120	18
Dishwasher			
using heat dryer	1,033	30	100
using air dry	900	30	27
Electricity to heat water	1,300	30	39
Engine Block Heater			
Radiator hose type	925	180	167
Oil dipstick type	400	180	72
Hot Air System			
1/2 Hp Motor	500	720	144
3/4 Hp Motor	750	720	216
Hot Water System			
1 Zone	315	720	91
2 Zone	423	720	122
Summer Use	135	720	39

<i>Laundry</i>			
Clothes Dryer	5,000	20	100
Washing Machine (not inc. hot water)	500	19	10
Iron	1,100	6	7

Miscellaneous	Average Wattage	Estimated Monthly Hours of Use	Estimated Monthly kWh Usage
Bug Zapper	45	10	0.5
Electric Lawn Mower	3,000	8	24
Hedge Trimmer	300	3	1
Electric Fence	10	720	7
Security/Fire Alarm	20	710	14
Engine Block Heaters	500	18	9
radiator hose type	925	180	167
oil dipstick type	400	180	72
DC Battery Charger	100	2	0.2
Floor Polisher	300	3	1
Circular Saw	1,100	1	1
Drill (1/4 inch)	325	1	0.3
Weed Trimmer	525	6	3
Ceramic Kiln	5,000	21	105
Soldering Gun	600	1	1
Sump Pump (1/3 HP)	395	10	4
Well Pump (3/4 HP)	575	49	28
Pool Filter			
(1/2 HP)	373	720	269
(3/4 HP)	560	540	302
(1 HP)	536	900	507
Aquarium with light and heater			
10 gallon	120	8	1
20 gallon	155	10	2
30 gallon	213	435	93
Portable Water Purification System	440	65	29
Hot Tub			
Insulated/Indoor (4 person)	1500	200	300
Insulated/Outdoor (4 person)	1500	235	350

Natural gas is measured by both volume (hundred cubic feet, abbreviated CCF) and by heat content (British Thermal Units [BTU] per CCF). We bill you in CCF, a measurement of the volume of the natural gas that you receive.

To calculate the approximate operating costs of any natural gas appliance you must check its BTU rating and use these formulas:

$$1. \frac{\text{BTU}}{100,000} = \text{CCF}$$

$$2. \text{CCF} \times \text{Number of Hours Used} \times \text{Cost per CCF} = \text{Operating Cost}$$

Since the cost per CCF fluctuates from month to month, please check the Central Hudson web site at www.CentralHudson.com for the most current pricing information.

Gas Appliance Usage	Average BTU/Wattage	Estimated Monthly CCF	Estimated Annual CCF
Heating System	120,000	92	1,104
Water Heater			
30-50 Gal.	39,000	31	372
50-75 Gal.	55,000	66	792
Heater			
Pool	250,000	27	324
Spa/Hot Tub	200,000	33	396
Range with Oven	47,000	4	48
Clothes Dryer	19,000	5	60
Outside Grill	36,000	4	48
Outside Gas Light	2,000	6	72

You can call **Central Hudson**
at
(845) 452-2700

