

2014

## Typical Appliance Energy Use and Costs

Watts/1000 x hours use = kiloWatt-hours (kWh) x (rate per kWh) = Costs

Northeast Nebraska Public Power District, Wayne NE  
800-750-9277

Appliance	Watts	Avg. Hours Used per Month	kWh Used per Month	Avg. Cost per Month	Typical Rate per kWh
<b>Heating and Cooling</b>					
Air Conditioner (Central)	6000	90	540	\$53.46	9.9 cents
Air conditioner (Window Unit)	1100	90	99	\$9.80	9.9 cents
Electric Baseboard - 4 foot	1000	150	150	\$11.85	7.9 cents
Electric Baseboard - 8 foot	2000	150	300	\$23.70	7.9 cents
Electric Furnace	15000	150	2,250	\$177.75	7.9 cents
Electric Portable Space Heater	1000	150	150	\$11.85	7.9 cents
Electric Wall Heater	1500	150	225	\$17.78	7.9 cents
Fan - Ceiling	80	150	12	\$1.19	9.9 cents
Fan - Portable	115	150	17	\$1.71	9.9 cents
Furnace Fan (1/3 HP)	375	150	56	\$4.44	7.9 cents
Heat Pump: Airconditioning mode	5000	150	750	\$74.25	9.9 cents
Heat Pump: Heating Mode	10000	150	1,000	\$79.00	7.9 cents
<b>Water Heating</b>					
Hot Tub - Electric Heat (240v)	5000	183	915	\$78.69	8.6 cents
Hot Tub Pump (Circulation)	1000	183	183	\$14.46	7.9 cents
Electric Water Heater	4500	75	338	\$29.03	8.6 cents
<b>Lighting</b>					
Fluorescent Lamp	27	150	4	\$0.35	8.6 cents
Fluorescent Lamp	20	150	3	\$0.26	8.6 cents
Fluorescent Lamp	15	150	2	\$0.19	8.6 cents
Fluorescent Torchere	63	150	9	\$0.81	8.6 cents
Flood Light (Exterior)	150	60	9	\$0.77	8.6 cents
Halogen Torchere	300	150	45	\$3.87	8.6 cents
Incandescent Lamp	100	150	15	\$1.29	8.6 cents
Incandescent Lamp	75	150	11	\$0.97	8.6 cents
Incandescent Lamp	60	150	9	\$0.77	8.6 cents
<b>Small Appliances</b>					
Blender	200	20	4	\$0.34	8.6 cents
Bread Maker	600	150	90	\$7.74	8.6 cents
Coffee Maker	1200	12	14	\$1.24	8.6 cents
Crock Pot	100	20	2	\$0.17	8.6 cents
Electric Tea Kettle	1200	2	2	\$0.21	8.6 cents
Food Dehydrator	875	10	9	\$0.75	8.6 cents
Food Mixer	150	3	0	\$0.04	8.6 cents
Food Processor	360	20	7	\$0.62	8.6 cents
Frying Pan (electric)	1150	10	12	\$0.99	8.6 cents
Hair Dryer - Hand Held	1500	3.5	5	\$0.45	8.6 cents
Heat Lamp	250	10	3	\$0.22	8.6 cents
Humidifier (Portable)	60	180	11	\$0.93	8.6 cents
Iron	1000	5	5	\$0.43	8.6 cents
Rice Cooker	490	4	2	\$0.17	8.6 cents
Toaster	1000	3	3	\$0.26	8.6 cents
Vacuum Cleaner	1000	5	5	\$0.43	8.6 cents

**Large Appliances**

Bathub with Jets	75	20	2	\$0.13	8.6 cents
Clothes Dryer - Electric	4600	20	92	\$7.91	8.6 cents
Clothes Washer - Standard (Cold/Cold)	N/A	(20 loads)	10	\$0.31	8.6 cents
Clothes Washer - Standard (Warm/Cold)	N/A	(20 loads)	11	\$3.63	8.6 cents
Clothes Washer - Efficient (Cold/Cold)	N/A	(20 loads)	12	\$0.24	8.6 cents
Clothes Washer - Efficient (Warm/Cold)	N/A	(20 loads)	13	\$0.98	8.6 cents
Dishwasher (excludes water use)					
Air Dry	200	25	5	\$0.43	8.6 cents
Heat Dry	1200	25	30	\$2.58	8.6 cents
Electric Grill	1250	5	6	\$0.54	8.6 cents
Exhaust Fan	40	25	1	\$0.09	8.6 cents
Freezer	300	170	51	\$4.39	8.6 cents
Microwave Oven	1000	15	15	\$1.29	8.6 cents
Oven	2660	15	40	\$3.43	8.6 cents
Range (Electric)	12500	15	188	\$16.13	8.6 cents
Burner, Large	2400	15	36	\$3.10	8.6 cents
Burner, Small	1300	15	20	\$1.68	8.6 cents
Refrigerator/Freezer (efficient)	800	117	94	\$8.05	8.6 cents
Refrigerator/Freezer (pre - 1992)	600	215	129	\$11.09	8.6 cents

**Electronics/Entertainment/Home Office**

Computer	80	20	2	\$0.14	8.6 cents
Computer Monitor	80	20	2	\$0.14	8.6 cents
Printer	180	20	4	\$0.31	8.6 cents
Computer - 24 Hrs per Day	720	20	14	\$1.24	8.6 cents
Computer Monitor - 24 Hrs per Day	720	20	14	\$1.24	8.6 cents
Printer 24 Hrs per Day	720	20	14	\$1.24	8.6 cents
Laptop	20	20	0	\$0.03	8.6 cents
DVD Player/VCR	22	45	1	\$0.09	8.6 cents
Fax Machine	100	20	2	\$0.17	8.6 cents
Radio - Portable	20	120	2	\$0.21	8.6 cents
Stereo - Component	200	120	24	\$2.06	8.6 cents
Television	300	120	36	\$3.10	8.6 cents
Television - Projection	170	120	20	\$1.75	8.6 cents
Television - Flat Screen	120	120	14	\$1.24	8.6 cents

**Tools**

Circular Saw	1150	2	2	\$0.20	8.6 cents
Drill	300	3	1	\$0.08	8.6 cents
Electric Lawn Mower	1000	8	8	\$0.69	8.6 cents
Table Saw	1000	2	2	\$0.17	8.6 cents
Sander	300	3	1	\$0.08	8.6 cents
Weed Trimmer	500	3	2	\$0.13	8.6 cents

**Miscellaneous**

Air Cleaner	50	275	14	\$1.18	8.6 cents
Electric Blanket	190	80	15	\$1.31	8.6 cents
Fish Tank (20 Gallon)	86	730	63	\$5.40	8.6 cents
Garbage Disposal	375	1	0	\$0.03	8.6 cents
Sewing Machine	100	10	1	\$0.09	8.6 cents