

'WATT' DOES DEMAND COST?



Your Touchstone Energy® Cooperative

WATTS x 1,000 = kW (DEMAND)

TOTAL kW of HIGHEST INTERVAL x \$2.50/kW = DEMAND CHARGE

Demand is billed as the total kW during the highest use interval over the entire billing cycle. To estimate demand charges, use the following average appliance kW (based on 15 minutes of operation). Add up all of the electric appliances you would have running at once and multiply by the current monthly demand charge found on your monthly statement. (2024 demand charge: \$2.50/kW)

Appliance	Watts	kW	Appliance	Watts	kW
KITCHEN			HOME ENTERTAINMENT		
Blender	500	0.500	Blu-ray Player	15	0.015
Coffee Maker	1000	1.000	DVD Player	15	0.015
Dishwasher	1200-1500	1.2-1.5	TV - LCD	150	0.150
Freezer - Upright - 15 cu. ft.	1240 Wh/Day**	0.052	TV - Plasma	200	0.200
Freezer - Chest - 15 cu. ft.	1080 Wh/Day**	0.045	Stereo Receiver	450	0.450
Fridge - 20 cu. ft. (AC)	1411 Wh/Day**	0.059	Video Game Console	150	0.150
Fridge - 16 cu. ft. (AC)	1200 Wh/Day**	0.050	LIGHTING		
Kettle - Electric	1200	1.200	CFL Bulb - 40 Watt Equivalent	11	0.011
Microwave	1000	1.000	CFL Bulb - 60 Watt Equivalent	18	0.018
Oven - Electric	1200	1.200	CFL Bulb - 75 Watt Equivalent	20	0.020
Toaster	850	0.850	CFL Bulb - 100 Watt Equivalent	30	0.030
Toaster Oven	1200	1.200	Compact Fluorescent 20 Watt	22	0.022
HEATING & COOLING			Compact Fluorescent 25 Watt	28	0.028
Box Fan	200	0.200	Halogen - 40 Watt	40	0.040
Ceiling Fan	120	0.120	Incandescent 50 Watt	50	0.050
Central A/C - 24,000 BTU NA	3800	3.800	Incandescent 100 Watt	100	0.100
Central A/C - 10,000 BTU NA	3250	3.250	LED Bulb - 40 Watt Equivalent	10	0.010
Furnace Fan Blower	800	0.800	LED Bulb - 60 Watt Equivalent	13	0.013
Space Heater NA	1500	1.500	LED Bulb - 75 Watt Equivalent	18	0.018
Tankless Water Heater - Electric	18000	18.000	LED Bulb - 100 Watt Equivalent	23	0.023
Water Heater - Electric	4500	4.500	OFFICE EQUIPMENT		
Window AC 10,000 BTU NA	900	0.900	Desktop Computer (standard)	200	0.200
Window AC 12,000 BTU NA	3250	3.250	Desktop Computer (gaming)	500	0.500
Well Pump - 1HP (start up 4000 watts)	2000	2.000	Laptop computer	100	0.100
ETS - 4 boxes of bricks & fan unit	3600	3.600	LCD Monitor	100	0.100
ETS - 6 boxes of bricks & fan unit	5400	5.400	Modem	7	0.007
ETS - 12 boxes of bricks & fan unit	10800	10.800	Paper Shredder	150	0.150
Stock Tank Heater 0-70 gal.	500	0.500	Printer	100	0.100
Stock Tank Heater 70-100 gal.	1000	1.000	Router	7	0.007
Stock Tank Heater 100-300 gal.	1500	1.500	Smart Phone - Recharge	6	0.006
LAUNDRY			Tablet - Recharge	8	0.008
Clothes Dryer - Electric	3000	3.000	MISCELLANEOUS HOUSEHOLD		
Clothes Dryer - Gas	1800	1.800	Clock Radio	7	0.007
Clothes Washer	800	0.800	Curling Iron	150	0.150
Iron	1200	1.200	Electric Shaver	15	0.015
TOOLS			Electric Blanket	200	0.200
Band Saw - 14"	1100	1.100	Hair Dryer	1500	1.500
Belt Sander - 3"	1000	1.000	Vacuum	1000	1.000
Chain Saw - 12"	1100	1.100	ELECTRIC CHARGING - TIME FOR 60 MILES		
Circular Saw - 7-1/4"	900	0.900	6-8 hrs, Single Phase, 230 V AC		3.300
Circular Saw - 8-1/4"	1400	1.400	2-3 hrs, Single Phase, 230 V AC		7.400
Disc Sander - 9"	1200	1.200	2-3 hrs, Three Phase, 400 V AC		11.000
Drill - 1/4"	250	0.250	1-2 hrs, Three Phase 400 V AC		22.000
Drill - 1/2"	750	0.750	20-30 mins, Three Phase 400 V AC		43.000
Drill - 1"	1000	1.000			

Average appliance wattage is referenced above. To learn more about your appliance wattages or your energy usage:

- Use a Kill-A-Watt Meter to measure wattage of any plug-in item. These can be purchased at home improvement stores and amazon.com.
- Schedule a free energy consultation with a United Power Energy Expert.