

HOW DO I ESTIMATE MY DEMAND?



If you are interested in figuring out your approximate demand, look at the table below. Just add up the kW for each appliance you are using at the same time and that will help you approximate your demand usage. (Assumptions are based on a 2,500 square foot low desert area home with two heat pump/AC units and 4 occupants. Actual kW usage would vary based upon the age, condition, and usage of your home and appliances.)

Appliance	kW Demand (Demand measured during On-Peak hours only)	Demand Assumptions for Each Appliance/End Use (if the appliance runs for less than the time indicated below, the kW would be lower)
Air conditioner / Heat pump (cooling)	3.4 (per unit)	4,545-Watt AC or heat pump cycling on-and-off, running an average of 45 minutes per hour
Heat pump (heating)	2.3 (per unit)	3,500-Watt electric heat pump cycling on-and-off, running an average of 40 minutes per hour
Gaming system	0.1	100-Watt game console operating for 60 minutes
Pool pump	1.5	2-horsepower pool pump operating for 60 minutes
Dryer	5.6	5,600-Watt electric clothes dryer operating for 60 minutes
Washer	0.4	410-Watt clothes washer operating for 60 minutes
Electric oven	1.3	3,400-Watt electric oven cycling on-and-off for 60 minutes
Electric stove	0.3	1,500-Watt electric stove element cycling on-and-off for 60 minutes
Dishwasher	1.2	1,200-Watt dishwasher operating for 60 minutes
Television	0.3	325-Watt television operating for 60 minutes
Microwave	0.2	1,500-Watt microwave cycling on-and-off for 30 minutes
Refrigerator	0.6	700-Watt refrigerator cycling on-and-off for 60 minutes
Freezer	0.4	500-Watt freezer cycling on-and-off for 60 minutes
Electric water heater	0.4	4,500-Watt electric water heater cycling on-and-off for 60 minutes
EV charger (level 1)	2.3	2,300-Watt Level 1 electric vehicle charger operating for 60 minutes
EV charger (level 2)	6.6	6,600-Watt Level 2 electric vehicle charger operating for 60 minutes
Ceiling fan	0.1	100-Watt ceiling fan operating for 60 minutes
Desktop computer	0.2	180-Watt desktop computer operating for 60 minutes
Laptop computer	0.1	100-Watt laptop computer operating for 60 minutes
Other electronics and appliances	0.3	Typical small electronics plugged in throughout the house for 60 minutes
Lighting	1.0	Typical lighting level at 0.4-Watts per square foot for 60 minutes

This chart is illustrative to provide guidance on calculating your home's demand. Amounts are approximate and based on the assumptions listed. Actual usage and demand will vary.