

# HOW MUCH POWER DO YOU NEED?

**Things to consider:** For backup **emergency** power, choose only the **essential** appliances and devices that you need. For example, if you can heat water on one electric range burner instead of using a hot water tank you can save considerable power and money. The same applies if you can hang clothes to dry instead of using an electric clothes dryer.

The appliances highlighted in blue use considerable power. Often times when using backup emergency power, users will use only one of these devices at a time.

Many devices consume much more power on startup than they do when running in standby mode. For example, each time the compressor in a refrigerator kicks in, it uses a surge of electricity.

**STEP ONE:** Transfer power requirements for each essential device you need during an emergency to the “Your Plan” columns. Medical devices such as CPAP machines are not included in this list. Be sure to include your medical device power requirements as well as any other devices that have not been listed below.

**STEP TWO:** Add all values in your “Running Watts” column and put that number in the “TOTAL” box under that column.

**STEP THREE:** Circle the item on your list with the highest number of STARTING WATTS. Enter this item’s starting watts on the bottom of the next page.

**STEP FOUR:** Add both numbers and enter in the yellow box labeled “Your Power Requirements”

**STEP FIVE:** If you want to try to reduce your power requirements you can choose to use one high power device at a time. Place a check mark next to each high power appliance that you are willing to use one at a time. Follow the instructions at the bottom of the page.

EQUIPMENT	TYPICAL POWER REQUIREMENTS		YOUR PLAN		✓
	STARTING WATTS	RUNNING WATTS	STARTING WATTS	RUNNING WATTS	
Clothes dryer (electric)		4800			
Clothes dryer (gas)		500			
coffee maker		1200			

Computer		500			
DirecTV Tuner		50			
Dishwasher		1200			
Freezer	2250	750			
Garage door opener		300			
Heat (electric)		15000			
Heat pump		10,000			
Heating pad-large		100			
Hot Water Heater		4800			
Laptop Computer		250			
Light - Incandescent 60w		60			
Light - LED 60W		10			
Microwave oven		1000			
Pellet stove		250			
Radio		50			
Range (each burner)		1500			
Refrigerator/Freezer	1800	600			
Satellite internet router		100			
Septic pump	2000	1000			
Shaver		15			
Smart phone charger		25			
Space Heater		1300			
Sump pump	1500	750			
Television		300			
Toaster		1200			
Vacuum cleaner		600			
Waffle iron		1200			
Washing machine	1000	500			
Water heater (electric)		4800			
Well pump (1hp)	4000	1000			
<b>Total running WATTS</b>					
<b>Highest starting Watts*</b>					
<b>Your power requirements</b>					



**OPTIONAL**

Highest starting Watts for <b>ALL</b> of your items
Add the <b>RUNNING WATTS</b> for all devices that you have <b>NOT</b> checked
List the highest Running Watts for all the devices you <b>HAVE</b> checked
<b>Your reduced power requirements</b>
