



Why Backup Power

- High winds in Northern Utah September 2020
- Polar Vortex in Texas and the South
- Rolling Blackouts in California
- Other weather events heat wave Earthquake – Something we are very prone to
- Cyber-attacks...hitting the news lately EMP Natural or man-produced. Solar storm, High Altitude Nuclear Detonation
- Severe pandemic
 War, terrorism, sabotage Metcalfe substation



Decide how much energy you need to run critical loads.

- Medical equipment?
- Fridge?
- Freezer?
- Lights?

• Communications?



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Calculate energy consumption.

- Labels on appliances/devices
- · Online resources
- Power consumption meters

Remember to factor in start-up demand in addition to running demand

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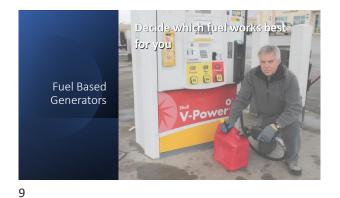




- **1. Fuel based** (gasoline, diesel, propane, natural gas)
- 2. Solar/Battery

Each has advantages and disadvantages and come in a variety of sizes.

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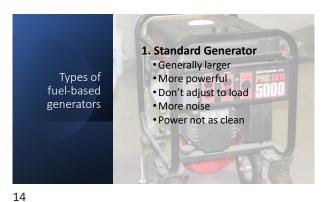


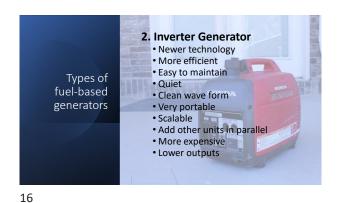
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HONDA



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