

COMPREHENSIVE EMERGENCY POWER PLAN

Your Guide to Business Continuity

When the power goes out, productivity goes down, manufacturing efforts are delayed, employees and customers are in danger of injury, and equipment is at risk of being damaged. You can prepare your business for the next power outage by having a Comprehensive Emergency Power Plan that ensures business continuity with a standby generator.

This guide walks through the steps needed to create a Comprehensive Emergency Power Plan. When you are ready to submit your plan, you will be partnered with a local Generac Industrial distributor for a custom solution to keep business running in the event of a power outage.

STEP 1: Determine How Much Power Your Business Needs

Your emergency standby generator must be able to back up all life-safety equipment in the chance of an outage. After that, you can choose what you would like to back up. You can back up your entire facility, or certain critical loads. The following list will help determine your generator size.

- | | | | |
|---|----------|--------------------------------------|----------|
| <input type="checkbox"/> Compressed air systems | _____ kW | <input type="checkbox"/> Pumps | _____ kW |
| <input type="checkbox"/> Computers and servers | _____ kW | <input type="checkbox"/> Other _____ | _____ kW |
| <input type="checkbox"/> Heating, ventilating, air conditioning | _____ kW | <input type="checkbox"/> _____ | _____ kW |
| <input type="checkbox"/> Plant and office lighting | _____ kW | <input type="checkbox"/> _____ | _____ kW |
| <input type="checkbox"/> Process controls | _____ kW | | |
| <input type="checkbox"/> Production machinery | _____ kW | | |
| | | TOTAL | _____ kW |

Skip Steps 2 & 3 if you do not need a rental mobile unit while waiting for standby unit to be installed.

STEP 2: Plan If You Need Back Up Power Now

If you need back up power now, Generac offers a line of mobile products that can power your business while your standby unit is being installed. Your Generac Industrial distributor can help you get set up with a mobile rental to be delivered and parked in a location where it is easily accessible for connecting, operating, servicing and refueling. For planning:

- Find an environmentally sound location away from drains, work areas, and residences
- Make sure the location has plenty of surrounding open space (away from traffic, trees and blockages)
- The area is flat and level for generator parking
- Identify connecting points if there is available transfer switch
- Clear access route for drop off
- Secure Fencing for Security

STEP 3: Determine Additional Equipment/Accessories Needed For Mobile Product

Your mobile generator may require a variety of accessories. Consider if you need any of the below, or other, accessories. After marking what you will need, determine how many.

- | | | | |
|--|-------|---------------------------------------|-------|
| <input type="checkbox"/> Bus Bars | _____ | <input type="checkbox"/> Quad Boxes | _____ |
| <input type="checkbox"/> Cable | _____ | <input type="checkbox"/> Spider Boxes | _____ |
| <input type="checkbox"/> Cable Ramps | _____ | <input type="checkbox"/> Switch Gear | _____ |
| <input type="checkbox"/> Circuit Breakers | _____ | <input type="checkbox"/> Transformers | _____ |
| <input type="checkbox"/> Controls | _____ | <input type="checkbox"/> Other | _____ |
| <input type="checkbox"/> Distribution Panels | _____ | <input type="checkbox"/> _____ | _____ |
| <input type="checkbox"/> Fuses | _____ | <input type="checkbox"/> _____ | _____ |
| <input type="checkbox"/> Load Banks | _____ | <input type="checkbox"/> _____ | _____ |
| <input type="checkbox"/> Outlets | _____ | <input type="checkbox"/> _____ | _____ |

STEP 4: Determine Your Fuel Type*

All of Generac's fuel types have their own unique benefits. Depending on your infrastructure, one fuel type may be more ideal than another. Different areas have different laws you must follow, and it is important to make sure the fuel type you choose is code compliant for your area.



- Natural Gas/Liquid Propane:** Known for unmatched run time and little required maintenance.



- Diesel:** Known for being a powerful, code compliant choice.



- Bi-fuel:** Known for having a combination of diesel's power and the unmatched run time of natural gas.

*Contact your local Generac dealer for help on choosing the appropriate fuel type for your business.

STEP 5: Choose Appropriate Set Features For Your Generator




Select from a variety of features that meet your business site's specific requirements:

- Sound Attenuated Enclosures:** Generac offers a range of enclosures ranging from standard choices to high sound-deadening.
- Auto Start:** Transfer Switches that automatically turn on your generator when your business loses utility power.
- EPA & local emissions certifications:** Make sure your generator is code compliant.
- Paralleling:** Gives you redundancy and reliability
- Security Features:** Lockable doors & interior oil/water drains

STEP 6: Request a Quote

Now that you have your generator's power, fuel type, and accessories selected, you are ready to request a quote and get in touch with your local Generac Distributor. They will help you pick out the correct generator to match your first four steps in your Comprehensive Emergency Power Plan.

To request a quote:

-  [Generac.com/Industrial/RequestPricing](https://www.generac.com/Industrial/RequestPricing)
-  IndustrialSales@generac.com
-  844-ASK-GNRC

STEP 7: Fueling Provider

Whether you have natural gas or diesel you will need to find a fuel supplier. Having a reliable fuel supplier is crucial when the power goes down. Some considerations include:

Natural Gas

- No refueling needed – Natural gas pipeline feeds directly into generator.

Diesel

- Auxiliary Fuel** – Allows for longer run times before needing a supplier to come refuel generator.
- Delivery Access** – Will your generator's location have easy access to your generator's fuel tank for fuel supplying vehicles.
- Tank Capacity** – Make sure your generator's tank is large enough to run for a substantial amount of time before refueling is needed.

STEP 8: Conduct a Practice Run

It's important to run through your plan before an actual outage occurs. Set a time where you and your team can run through a drill and having your generator kick in as the main source of power. Make this simulation just as if the emergency was really happening, so your team can have real time practice.

- Make sure that each person on your team fully understands their role and responsibilities in the event of an actual power outage.
- Estimate the length of time it takes before your standby power supply is online and running properly after the power fails.

