EMERGENCY POWER PLANNER

YOUR PRACTICAL GUIDE TO RESTORING ELECTRIC POWER AND PROTECTING YOUR BUSINESS DURING UTILITY OUTAGES.

When the power goes down, you want it back – fast. Preparation for power failure is a must, and a contingency plan is an essential tool. With a solid contingency plan in place, you'll know what to do and whom to call to restore your power as soon as possible, to keep your business functioning and your revenue stream flowing.

This Emergency Power Planner will guide you and your team through the basic steps of building a contingency plan. The checklist format will help you cover the key elements quickly and easily. To fill in the details, consult with an established supplier of rental power generating equipment, supplies and service. Sooner or later power outages affect everyone. Don't wait for the inevitable to happen. The time to plan is now, and Quinn Power Systems is ready to assist you.

QUINN POWER SYSTEMS

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24-Hour Emergency Support (800) 789-9781



▶ STEP 1

DETERMINE YOUR POWER REQUIREMENTS.

IN A UTILITY OUTAGE, YOU CAN PROVIDE POWER FOR YOUR ENTIRE FACILITY AND EQUIPMENT, OR FOR CRITICAL LOADS ONLY. YOUR EMERGENCY STANDBY GENERATOR POWERS ONLY LIFE-SAFETY EQUIPMENT REQUIRED BY CODE. AFTER THAT, YOU MUST CHOOSE WHICH LOADS ARE CRITICAL AND WHICH ARE NOT:

Production machinery	kW	Pumps	kW
Computers and servers	kW	Other	kW
Process controls	kW		kW
Plant and office lighting	kW		kW
Heating, ventilating, air conditioning	kW		
Compressed air systems	kW	TOTAL	kW

► STEP 2

PLAN FOR THE LOGISTICS OF DELIVERY AND OPERATION.

YOUR EQUIPMENT SUPPLIER MUST BE ABLE TO DELIVER AND PARK THE GENERATOR SET, SO THAT IT IS EASILY ACCESSIBLE FOR CONNECTING, OPERATING, SERVICING AND FUELING. PLANNING CONSIDERATIONS MUST INCLUDE:

 Identification of connection points Environmentally sound location away from drains, work areas and residences Designated access route for delivery Location with adequate surrounding open space 	 Opening for cable access to the building Location away from traffic, trees and obstructions Planned route for cable inside the building Level, paved area for parking Security fencing
	occurry remains

► STEP 3

Bus bars

SELECT APPROPRIATE GENERATOR SET FEATURES.

CHOOSE FROM A VARIETY OF FEATURES TO SUIT YOUR SITE'S SPECIFIC REQUIREMENTS, INCLUDING:

 Sound attenuation: Ask for ratings below 92 db(A) a 70-72 db(A) are available. Auto start-stop capability: Automatically starts a regoes down. Vertical radiator and exhaust discharge: Directs disbuildings and people. Important in populated or high 	ental unit if a standby unit scharges up and away from h-traffic areas. nat cannot tolerate frequency
70-72 db(A) are available. Auto start-stop capability: Automatically starts a regoes down. Vertical radiator and exhaust discharge: Directs dis	ental unit if a standby unit scharges up and away from h-traffic areas. nat cannot tolerate frequency
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	h-traffic areas. nat cannot tolerate frequency
Electronic governor: Necessary for critical loads the fluctuation (computers, motor-driven equipment, materials)	
Charging alternator: Ensures that batteries are char is operating.	arging when the unit
Sight gauges: Simplify monitoring of fuel and critica	al fluid levels.
Security features: Lockable doors, interior-mounted exterior fuel drains help prevent tampering.	d oil/water drains, and hidden
Distribution panel labeling: Helps inexperienced op output voltages.	perators safely identify
Output bus bars: Spacing of bus bars for multiple ou generator set to run several loads.	utput cable hookups allows one
Fuel priming pump: Facilitates startups after transp	port.
EPA and local emissions certifications: Ensures coremissions regulations.	ompliance with
TEP 4 IDENTIFY REQUIRED AI	NCILLARY EQUIPMENT AND ACCESSOR
IUR INSTALLATION MAY REQUIRE A VARIETY OF ACCES EMS LISTED BELOW. IF SO, DETERMINE THE REQUIRED	SSORY EQUIPMENT. CONSIDER WHETHER YOU NEED ANY OF THE DUANTITIES.
Cable	Fuses
Switchgear	Outlets
Controls	Spider boxes
Circuit breakers	Cable ramps
Transformers Load banks	Other

► STEP 5

CHOOSE YOUR RENTAL GENERATOR SET SUPPLIER.

TO IMPLEMENT A SUCCESSFUL PLAN, LOOK FOR A RENTAL QUALIFICATIONS AND CAPABILITIES:	DEALERSHIP THAT OFFERS THE FOLLOWING
 Well-maintained and pre-tested equipment Rental units in-stock that meet your load requirements Modern, emissions-compliant equipment designed for rental use Complete ancillary equipment in-stock Ability to deliver to meet your time constraints Quick, efficient delivery and pickup Spare parts inventory in-stock 	 Staff qualified to deliver turnkey service and technical support Experience in your industry Capability to train your staff Flexible financial options that include weekly and monthly rental contracts; Rental Purchase Option Pre-approved credit arrangements. 24-hour response including weekends and holidays.
STEP 6 PROVIDE FOR FUELING.	
A RELIABLE FUEL SUPPLY IS ESSENTIAL FOR EMERGENCY OF SERVICE IN ADVANCE, IDEALLY THROUGH YOUR RENTAL EQUIPMENTAL E	e generator set. The unit should ings. er runs between refuelings. easily navigable access route for
STEP 7 CONDUCT A DRY RUN.	
	VORK IN A REAL EMERGENCY, YOU MUST PRACTICE ITS EXECUTION IDEALLY, YOUR EQUIPMENT SUPPLIER RUN THROUGH THE PLAN APPENING.
 Make sure that each person fully understands his or her relation. Estimate how long it takes from the time the power fails understands. Verify the voltage from the transformer breakdown. Know breakdown is essential to the safety of people around the to fit the generator with the right size connections. 	ntil your emergency power supply is online. ving the voltage from the transformer

► STEP 8

DESIGNATE EMERGENCY PERSONNEL.

MAKE A LIST OF THE KEY EMERGENCY CONTACTS WHO WILL BE IN CHARGE DURING OUTAGES. MAKE THIS LIST ACCESSIBLE TO YOUR TEAM MEMBERS AND KEEP IT UP-TO-DATE. BE SURE TO INCLUDE A PRIMARY CONTACT AND ALTERNATE FOR EACH OF THE FOLLOWING JOB FUNCTIONS:

In-house operations / maintenance	Electrical engineer or contractor
Electric utility representative	IT, security, data recovery
Generator set operation	Generator set hookup
Rental equipment representative	☐ Fuel supplier

NAME & FUNCTION	E-MAIL	OFFICE PHONE	MOBILE PHONE	HOME PHONE

A FINAL WORD

We are a supplier of complete generation systems for emergency power. Our engineers and field technicians are experienced in applications of every size, in every sector. We are prepared to answer your questions about electric power contingency planning and to be your business partner in the next power emergency. For more information, please contact us.

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