PROTECTING THOSE SERVING THE COMMUNITY

Municipalities are continually asked to do more with less whether its maintaining municipal buildings, providing a vast array of community services or providing protection for citizens during emergencies. There is no one "cookie-cutter" generator solution that will meet the incredibly diverse needs of municipalities. The good news is that Generac Industrial Power provides a wide range of gensets, accessories, controllers, and enclosures, so we can help you find the optimum solution to surpass your challenges.

WHAT IS AT STAKE?

Clean Water

Both water and wastewater facilities place great demand on pumping equipment for consistent water distribution and treatment processes. Water distribution ceases if the power goes out.

Crisis Services

Citizens depend on services including first responders and 911 call centers as well as municipal facilities that serve as shelters. If these services did not have power, they would cease to operate, leaving citizens in critical need in life or death situations.

Prisons and Jails

With no power, electronic monitoring devices, security systems and surveillance systems stop working, which could lead to potential escape or hiding situations. Some facilities have also upgraded to electronic systems that control and operate doors remotely. Heating, cooling, ventilation and the well-being of inmates are also important.

Public Facilities

Court houses, schools, libraries and police stations are dependent on power to execute their duties efficiently. Not every service is life or death during a power interruption, but a lack of power can upset the normal routine.

Public Transportation

Electric subways and elevated trains rely on power. If they are not properly supported, they will cease to operate during an outage. This includes power for supporting facilities such as signals, switches, lighting and others.

Stored Computer Data Lost

Power outages are one of the top reasons data loss occurs. Computers and operating systems are complex, and need to shut down properly. An outage causes computers to shut down unexpectedly. Any files you were working on could be lost or become corrupted. If power outages occur frequently, they can damage your hard drive and reduce its lifespan.

98%
OF ORGANIZATIONS SAY ONE HOUR OF DOWNTIME COSTS OVER $100,000

IN THE PAST YEAR, 50% OF COMPANIES EXPERIENCED AN OUTAGE LASTING LONGER THAN
1 HOUR

MONETARY OUTAGES COST THE U.S. ECONOMY ANNUALLY
$52 BILLION

*Information Technology Intelligence Consulting
**S&C's 2018 State of Commercial & Industrial Power Reliability Report

KEY CONSIDERATIONS TO BACKUP POWER

Natural disasters, aging electrical infrastructure, and accidents attributed to human error are all significant contributors to loss of power to municipalities, residents and industry. Installing a backup power supply is the obvious answer.

Single Unit Or Modular Power System

Generac has taken the complexity out of paralleling total power generators with our Modular Power Systems (MPS). MPS is a transformational technology that eliminates the expense and space requirements required with traditional paralleling solutions. Instead of relying on a single generator during power emergencies, more electrical engineers are recognizing the benefit of paralleled generators. Gaseous generators can provide the same amount of power as a larger genset, while adding redundancy, flexibility, expandability and reliability. Using Generac's MPS technology, it allows the customer to have more flexibility. If the owner makes an initial smaller investment, they can scaled accordingly later based on increased power demands.

Stationary Or Mobile

In recent years, there has been a growing concern over flexibility. Customers are wanting to be able to connect and disconnect mobile generators to their facility's electrical system. By using a mobile generator, it allows the owner of the facility to move the generator to the location where it is needed. One mobile unit can be used for multiple facilities, thereby saving money. A stationary unit can be added later based on increased power demands.

Diesel Or Natural Gas

Due in large part to the increased domestic production and use of natural gas, the United States has become a recognized leader in clean energy. Abundant, affordable natural gas has supported manufacturing growth, improved air quality and lowered carbon dioxide emissions to levels not seen in decades. Natural gas is the more dependable and less expensive fuel over time when compared to diesel.

Diesel-fueled generators are the workhorses of the industry. They can be an efficient choice for high kW applications, as well as for facilities where code requirements (NEC 700 and NFPA 110) call for on-site fuel storage, like hospitals and 911 call centers. They can also provide backup power in remote areas where businesses do not have access to the natural gas supply.

Beyond Standby

Generac offers more than just standby power systems. We have turnkey solutions that change your generator system from an operating expense to an asset that works for you. Energy management plans and operates energy production and energy consumption units, allowing individuals to use energy more efficiently and more wisely. This efficient use of energy can lower utility costs and provide a more reliable power solution.

BE PREPARED.
PLAN AHEAD FOR POWER OUTAGES.

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 damage. You can prepare your business for the next power outage by having a Comprehensive Emergency Power Plan that ensures business continuity with a generator.

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 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.

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 Backup Power Now

If you need backup power now, Generac offers a line of mobile products that can power your business while your standby unit is being installed.

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

Your mobile generator may require a variety of accessories.

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.

STEP 5: Choose Appropriate Set Features for Your Generator

Your emergency standby generator must be able to back up all life-safety equipment in the chance 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.

STEP 6: Request a Quote

You are now ready to request a quote and get in touch with your local Generac distributor.
To request a quote go to generac.com/industrial/request pricing or call 844-ASK-GNRC

STEP 7: Fueling Provider

No matter what fuel you have, you will need a supplier. Having a reliable fuel supplier is crucial when the power goes down.

STEP 8: Conduct a Practice Run

It is important to run through your plan before an actual outage occurs. Set a time to run a drill with your generator.

PREPARATION IN ADVANCE CAN HELP LIMIT DAMAGE

If you're ready for a continuity plan, but don't know where to start, Generac can help.
Visit generac.com/industrial to create a comprehensive emergency power plan that is right for your business.

HOW GENERAC RISES TO THE CHALLENGE

Generac Industrial Power can provide the kWs you needs with a variety of fuel sources. We offer everything from 3.25 MW of plant backup power to 100 MW of primary power with our paralleled MPS for critical pumping stations. Generac Industrial Power can tailor a robust power system that meets your specific requirement – delivering dependable power when you need it most.

Generac is the Leader in Municipal Support

Providing a substantive backup power response requires strategic planning including the location of genset units, fuel choices, sizing requirements and paralleling potential. We also understand the complexities involved with RFPs and budget considerations, and we provide a variety to tools such as SpecExpert, to help you create custom specs, and Power Design Pro™ for sizing and analysis of different options, to assist you in this process.

At the same time, we think your best resource is our network of Industrial Power Distributors, as they know your local community codes, local AHJs, and they can assist in countless ways. Count on our distributors to serve and protect you during this process. We know cities never sleep and at Generac, neither do we.

For more information or to learn more, visit us online or call us at:

WWW.GENERAC.COM/INDUSTRIAL/BEYONDSTANDBY

844-ASK-GNRC

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INDUSTRIAL POWER