



## Critical Infrastructure **Fuel Systems**

consulting  
design  
sales  
support

### **Emergency Management**

- critical infrastructure fuel systems
- harden on-site natural gas systems
- preparedness guidance

# Building Infrastructure Resiliency

## THROUGH NATURAL GAS SYSTEMS HARDENING

### CRITICAL INFRASTRUCTURE

If a facility has assets that are essential for the functioning of a society, they are considered CRITICAL INFRASTRUCTURE. Examples of these are military installations, hospitals, correctional facilities, emergency shelters, certain manufacturing operations, waste water treatment and financial centers. Loss of these facilities can seriously interfere with human safety, functioning of a society and its economy.



**Critical Facilities** need to have backup systems for their natural gas service to continue to operate during service interruptions from natural disasters, distribution system failures, and accidental pipeline damage.

**Facilities deemed to be critical infrastructure** are required to have an emergency preparedness plan in place to ensure the wellbeing of a society.

**SSi supports critical infrastructure preparedness** through supply of back-up natural gas fuel systems and the application of techniques to “harden” on-site natural gas supply systems.



*Gas powered food service equipment*

### PACKAGED SOLUTIONS

SSi packaged solutions provide security of natural gas supply regardless of the cause of interruption.

With a **Critical Infrastructure Fuel System** by SSi consumers ensure continued operation in the event of supply disruption.

Similar to a back-up generator, propane-air systems back up the natural gas supply with on-site storage systems.

On-site fuel storage and on-demand switching between fuels means you'll never be without gas energy.

The Critical Infrastructure Fuel System will **seamlessly provide propane-air to all your gas appliances** including steam boilers, condensing boilers, rooftop units, and cooking equipment. If it runs on natural gas, it will continue to operate during utility service interruption.

SSi solutions will meet or exceed safety requirements and state regulations to ensure you have a system that you can rely on and is **easy to own and operate**.

expect the **best**

**Standby  
Systems inc.**

Propane-Air Solutions

612.721.4473

standby.com



## SSi MAKES IT EASY

SSi provides consulting services in the specialized field of fuel gas handling systems. A part of that work involves the design of back-up systems for natural gas users who cannot afford to be without gas.

Our team of engineers and consultants can meet with you to discuss your emergency preparedness plan, obtain a list of critical operations, and schedule a walkthrough with your emergency/risk management group.

**SSi can help you.** From design to fabrication, installation to start-up, training and long-term support, we will stay with you over the years, evolving with you as your needs evolve.



*Energy efficient condensing boilers*

### **HARDENING**

Hardening improves the durability and stability of energy infrastructure, making it better able to withstand the impacts of seismic and weather events without sustaining major damage.

### **RESILIENCY**

Refers to the ability of a facility to recover quickly from damage to any of its components.

Resiliency measures do not prevent damage; rather they enable energy systems to continue operating despite damage and/or promote a rapid return to normal.

### **PROPANE-AIR SYSTEMS FOR NATURAL GAS BACK-UP**

The use of propane blended with air to produce a fuel gas mixture compatible with natural gas.

### **EMERGENCY PLANNING**

Identify, anticipate, assess, and implement processes to respond to critical risks.

### **COST OF INACTION**

The cost of inaction is simply too high. Avoid disruption. Avoid chaos.



#### CONSULTING

- Facility review
- Sizing

#### DESIGN

- Engineering
- Drawings
- Review
- Pressure testing

#### SALES

Complete LPG-Air back-up systems including

- Fuel Delivery Stations
- Storage Tanks
  - Aboveground
  - Underground
  - Enclosed
- Vaporizers
- Mixers
- Pumps
- Controls
- Instrumentation
- Panels
- Enclosures
- Safety Systems
  - Emergency Shut-Down
  - Security Cameras
  - Gas & Flame Detection
- Installation
- Startup
- Training

#### SUPPORT

- Engineering & Technical Support
- Maintenance Contracts
- Client Services Site

#### ABOUT STANDBY SYSTEMS, Inc.

We are one of the oldest names in the natural gas industry to provide product and services centered on natural gas back-up, supplementation and augmentation. Members of our engineering staff actively participate in several organizations working to develop and maintain the codes and standards used with these systems.

**SINCE 1975** SSi has been supplying complete Propane-Air back-up systems to facilities for natural gas end-users. We work with every class of consumer to provide the right solution.

Beyond the security of supply that an on-site natural gas back-up system can provide, a substantial financial benefit may also be realized on natural gas purchases.

#### SUPPORT

SSi offers complete engineering support services for your back-up natural gas system. We can also oversee installation with a team of construction management professionals, provide training for operators, and offer a complete package of maintenance services to ensure your system stays ready to supply all the gas energy requirements of your facility.



#### EXPLORE EMERGENCY PREPAREDNESS

- What is critical?
- What is vulnerable?
- What components and services that, if lost or interrupted, could adversely affect other systems?
- What backup systems or other measures can reduce interdependence problems and create resilience?
- What impacts are of greatest concern - all hazards including natural disasters, hurricanes, cold temperature, earthquakes, human error, and more?
- Is your emergency preparedness plan in place and up to date?

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