



## Service and support

We wouldn't be called Total Energy Solutions if we left it there. We offer a full complement of service and preventative maintenance to keep your new generator operating smoothly and ready when you need it. We can handle any warranty repairs and claims that may arise as well as design a maintenance package for your specific make and model.

## Don't get left in the dark.

Contact us today to  
schedule your free  
consultation.

**877-835-1070**



**Baton Rouge, LA**  
36376 Highway 30  
Geismar, LA 70737  
225-744-7006

**Lafayette, LA**  
205 Highway 96  
Broussard, LA 70518  
337-837-1595

**Houston, TX**  
15811 Tuckerton Road  
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281-861-1284

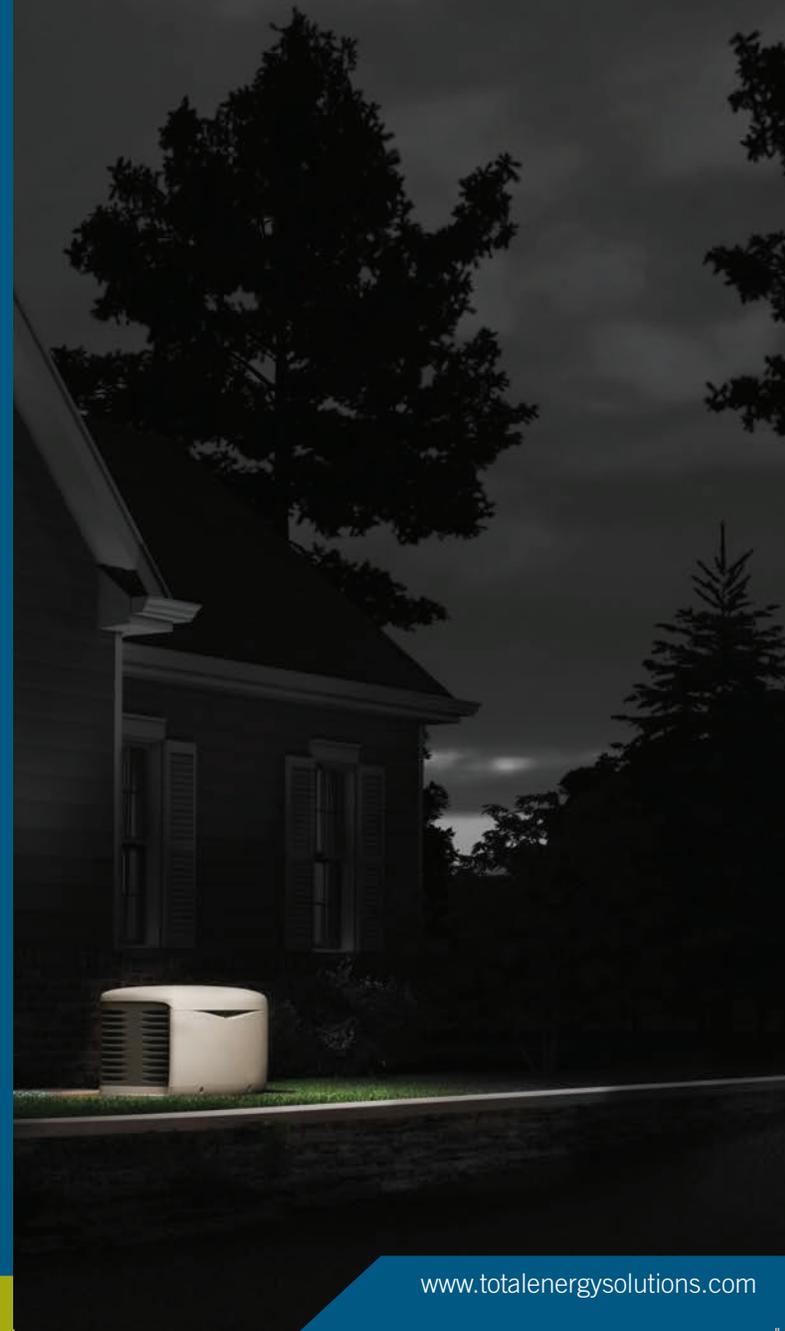
**Pearland, TX**  
3222 S. Main Street  
Pearland, TX 77581  
713-410-7864

Service Locations in Shreveport, LA and Carrizo Springs, TX

877-835-1070

[www.totalenergysolutions.com](http://www.totalenergysolutions.com)

No power? No problem,  
we'll light the way.



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# How a standby power system works?

You will have a power outage in the future.

## Don't get left in the dark.

There are many ways you can lose power. A utility power surge can knock out a whole state or region. A single falling tree can leave your block in the dark. Whatever the cause, power outages are becoming more frequent, and they often last longer.

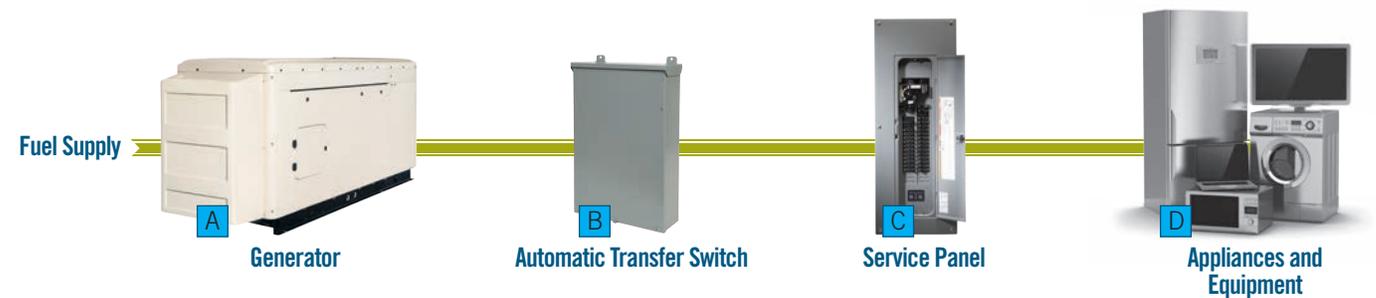
Besides major inconvenience, these outages can mean significant financial losses or even impact a medical situation. A backup power system can save you from all that, keeping you comfortable and safe at home or open for business.

## Aren't generators large and noisy?

Not anymore. Modern residential and light commercial generators are smaller than most people expect, taking up about as much space as an air conditioning unit. With technological advances, most generator manufacturers have been able to significantly cut the noise levels produced by most generators.

- A** A line from your natural or LP gas source supplies fuel to the generator. An electrical connection runs to an automatic transfer switch (ATS), which is usually installed next to your home's electrical distribution panel.
- B** When the ATS detects a loss of utility power, it commands the generator to start up. Then the ATS switches your home from the utility to the generator. The generator begins delivering electricity to the ATS and the distribution panel.

- C** The electricity produced by the generator is then distributed from the panel to power the lights, furnace, AC, refrigerator, computers and other "loads" that you selected when the system was installed.
- D** When utility power is restored, the ATS switches your home back to the grid and signals the generator to shut down. And it all happens automatically. You don't have to worry or lift a finger.



## The next step: selecting the right model

Once you decide that a backup generator system is the best choice, the next step is determining which model is right for your application. A Total Energy Solutions consultant will help you select the best size generator to fit your needs, and help you decide what you want to power and how many kilowatts of generator capacity that will require. You might want all your systems to run during an outage, or just your lights and certain critical appliances.

## After you choose a power system

Once you and your Total Energy Solutions consultant determine the right system, our team of certified installers will perform a site survey, recommending the best location for your generator, considering fuel supply, venting of exhaust, noise level, ground condition, traffic patterns, etc. We will handle all the aspects of installation — including permits, any required upgrades to the fuel line, a concrete pad if that is part of the plan, as well as wiring, piping, testing and commissioning. Once the system is installed, we will demonstrate how the control panel works and perform a thorough walk-through of the completed installation. A network technician can handle the Internet connection so you can do remote monitoring.

