

SAFETY FIRST

Smart Generator Use

1. Generators provide a means to continue operating during power outages, not to mention providing continued comfort, safety, and security. They can be installed permanently or used temporarily. In either case, they must be installed properly to protect electrical line crews, you, and your property.
2. One of the biggest dangers generators pose is the potential to “backfeed” into the electrical utility system. This energizes dead power lines and could injure or kill line crews who may be working on the lines, or others who may accidentally contact fallen lines. Never start a permanent generator or connect a portable generator to your internal electric wiring system. You must have a qualified electrician install it.
3. If you decide to use a generator, talk with electrical suppliers and contractors about your options. They should be familiar with the safety; air quality and permitting requirements for standby power generation and can help you select the appropriate equipment and work through permitting requirements.
4. Proper installation is a must!!! Generators that are installed improperly create numerous dangers. Some of these problems include:
 - They can “backfeed” into the electric utility system and energize dead lines.
 - They can create wiring hazards and exhaust fumes.
 - They could be damaged. Line crews use a grounding system that will damage improperly installed generators. When power is restored to the electrical systems, it will feed into your generator.
5. Follow manufacturer instructions on installation, maintenance and use. Understand and follow operation manual.

NOTE: If it becomes necessary to temporarily install a standby power generator during a power outage, contact the electric utility (KPU) or a qualified electrician for proper installation.



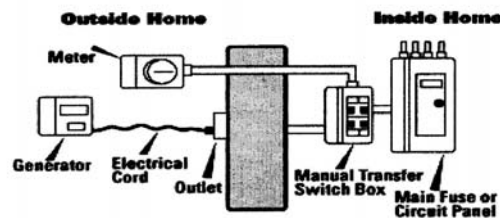
Connecting to a Generator

Get some expert advice. If you purchase a generator, have a qualified electrician properly size and install it. If you install the generator yourself, have a local electrical inspector check the installation for compliance with safety codes. A permit may be required for installation. If you're renting a generator for temporary use, choose equipment that is properly sized for your needs and that comes with complete operating instructions.

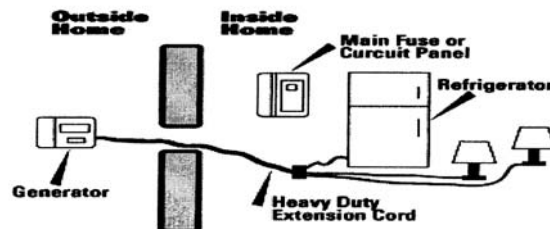
Prevent backfeed. Backfeed occurs when an improperly connected generator begins feeding electricity back into the power lines. Protect repair crews and your neighbors. Backfeed can seriously injure, or even kill. It can also cause damage to the generator when electric service is restored.

To prevent backfeed and operate your generator safely, you must:

Use a transfer switch. Have a qualified electrician install a transfer switch. This is the best way to protect you, your neighbors and our repair crews from backfeed. The transfer switch closes the path of electricity between our lines and your main electrical panel and opens the path between the generator and the panel.



Direct hookup. If you do not install a transfer switch, appliances can be plugged directly into the generator. When using this method, generator power **MUST NOT** be connected to any part of the building electrical system.



FREE

KPU will assist in planning the installation of your generator and inspect your installation for free. Please call 225-5505 for more information.