

Dispatchable Standby Generation

Building an innovative team

Put Dispatchable Standby Generation to work for you. If you plan to add a new generator or upgrade to a larger system of backup generation, contact your PGE key customer manager or call **503-464-8347** today. At your request, we will provide a detailed analysis and proposal tailored to your business requirements.



Portland General Electric

121 SW Salmon • Portland, Oregon 97204
PortlandGeneral.com

Printed on recycled paper. Please recycle. ♻️

PGE# 02978 6107 ??



Enhance facility reliability
and generate cost savings
for your backup generator.

Portland General Electric

Unleash the **full potential** of your standby generator



If your business relies on standby electric generation to ensure continuous production or service performance, you know how critical maintenance is. But you also know that it's costly and time-consuming for a system that is rarely used.

Portland General Electric offers a solution that saves you time and money, while delivering outstanding reliability for your entire power system.

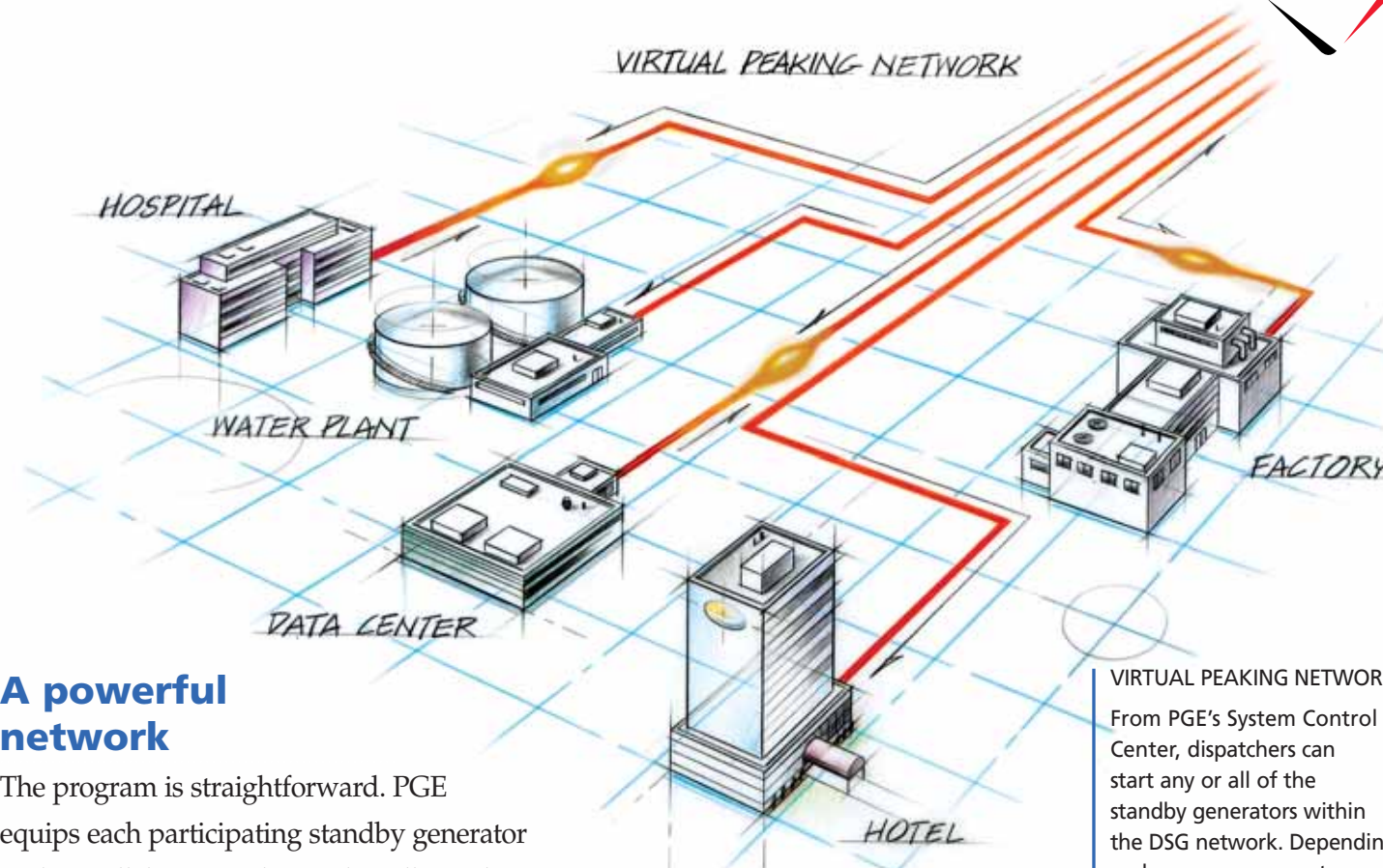
The Dispatchable Standby Generation advantage

With PGE's Dispatchable Standby Generation program, PGE puts your standby generators to work when needed by PGE to meet peak demand. In exchange, PGE upgrades your system and covers all maintenance and operation costs. You gain reliability and cost savings. PGE adds needed power capacity to its utility grid.

When you participate, PGE will:

- Upgrade your generator control system and install paralleling switchgear, allowing seamless transfers from grid power to generator power and back. This technology will increase reliability and improve operational control. For example, you can seamlessly transfer your facility to generator power ahead of a wind or ice storm.
- Pay for maintenance and operation costs of your standby generator system. PGE takes care of all repairs, tune-ups, oil and filter changes, even complete overhauls, if necessary. PGE pays all the fuel costs of the generator system.
- Conduct system testing, such as monthly testing to exercise the generator system under full-load for enhanced engine life and reliability. Frequent testing provides peace of mind that the generator system will operate successfully when called upon during a grid power outage.

- Provide operations support by alerting your staff to urgent alarms or potential problems identified with our continuous monitoring; or by providing facility power quality reports to trouble-shoot unusual power problems.
- Improve engine exhaust emissions by installing oxidation catalysts or other technologies to improve air quality.



VIRTUAL PEAKING NETWORK
From PGE's System Control Center, dispatchers can start any or all of the standby generators within the DSG network. Depending on how many generators are operated together, up to 125 MW of generation can be added to the system during peak hours.

A powerful network

The program is straightforward. PGE equips each participating standby generator with paralleling switchgear that allows the unit to be operated by PGE in synchronization with the electric distribution system. Qualifying commercial and industrial customers (those with standby generators of 250 kW and up) are networked with PGE's communications and power control system. The standby units can be monitored and dispatched from PGE's System Control Center.

PGE requires the option to run the generators to meet its own needs for up to 400 hours annually. This will only occur when the generators are not needed by the customer for emergency backup service and will not result in any service interruption.

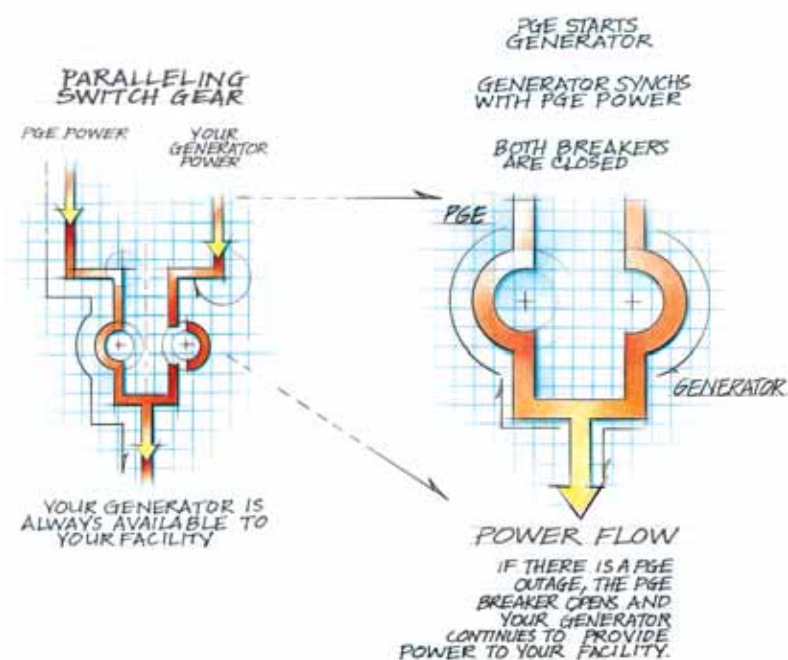
In case of an outage, the standby generator functions as it normally would, providing back-up power to your facility for the duration of the outage. However, when power returns to the grid, your facility moves back to utility power

seamlessly without additional interruption.

Program participants pay standard electric rates for power used, regardless of whether it's being generated through PGE's system or by the generator.

Connect with savings and reliability

Take advantage of the Dispatchable Standby Generation solution. Significantly lower the up-front cost of a new or upgraded generator system. Say goodbye to operational and maintenance expenses, and gain peace of mind from an enhanced backup system.



PARALLELING SWITCHGEAR

Paralleling switchgear allows the unit to be operated in synchronization with the electric distribution system.