

When the lights go out, restoring power across America is a complex, intricate process requiring seamless collaboration among various agencies, levels of government, and power ...

After Superstorm Sandy slammed the Caribbean and the East Coast, fuel cells provided emergency backup power to at least 100 telecommunications towers in both the Bahamas and the Northeast ...

The prototype intelligent perception and emergency command system for power grid disasters has been piloted in several units.

PNNL's Dynamic Contingency Analysis Tool helps utilities anticipate and manage power and grid instability during extreme events. The software enables operators to see and reinforce weak spots on ...

While community microgrids are not a replacement for modernizing and maintaining the main grid, nor for the broader imperative to build democratic accountability into our utilities and ...

The Power Grid Microfilm First Prize winners prove there's a better way - but first, let's diagnose why conventional approaches crash harder than an overloaded transformer.

Discover how mobile microgrids are transforming emergency response with cleaner, scalable, and faster-deployed power solutions. Power failure is rarely the biggest story during a disaster--until it is.

As power demand continues to rise and extreme weather events become more frequent, the risks confronting power grids are increasingly complex. This paper analyz.

Learn how a severe Pennsylvania storm exposed weaknesses in the U.S. power grid--and the practical strategies any community can use to prepare.

New England's power grid operator declared a level 1 emergency in a bid to shore up supplies, as the region faces an intense heat wave that's forecast to last for days.

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