

MIT Lincoln Laboratory has led a national campaign to cut grid power to U.S. military bases, testing their readiness and strengthening their resilience to power outages. The exercises are ...

PowerOutage is an ongoing project created to track, record, and aggregate power outages across the United States.

In this article, we'll examine how recent major outages reveal the true nature of network vulnerabilities, explore frameworks that leading operators and policymakers use to build resilience, ...

Only a limited number of stations are equipped with such generators, making a comprehensive communication network service almost impossible even during shorter blackouts that ...

Mobile networks, while initially functional due to battery-powered devices, would quickly become overwhelmed by increased usage and would soon fail as their base stations lose power.

The FCC has used DIRS to provide daily information to the public on large-scale outages and restoration during major disasters and activated the MDRI to enforce collaboration between ...

In this work, we formulate a novel problem for an unplanned emergency power outage at telecommunications base stations and propose a BPC algorithm to solve it to optimality.

A significant nationwide cell network outage plunged millions into digital silence, complicating daily communications and critical emergency responses. Networks that most people depend on for ...

In this article, we'll explore the connection between cell towers and power supply, what role backup generators play, how the FCC responded after Hurricane Katrina, and why the vast ...

Communication outages caused by damage and/or disruption in supporting network infrastructure tend to be far more widespread and damaging during response and recovery efforts. Some ...

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