

# The rural power outage is not solar power generation



## Overview

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In this Q&A, Qusba walks through what tends to fail first during major winter storms, what outage data shows about the role of wind, solar, and fossil generation during Fern, why fuel supply and winterization still matter more than the generation mix, and how coordinated. In this Q&A, Qusba walks through what tends to fail first during major winter storms, what outage data shows about the role of wind, solar, and fossil generation during Fern, why fuel supply and winterization still matter more than the generation mix, and how coordinated. Winter Storm Fern knocked out power for millions of people across the US and reignited a familiar political and media fight over what really causes large-scale outages during extreme weather. To separate the rhetoric from the operational reality, Electrek spoke with Leah Qusba, CEO of GoodPower, a. In a new study, Pennsylvania researchers aim to convey what drives rural attitudes on renewable energy, including how a history of coal mining affects public opinion. An array of solar panels is seen near a dairy farm in St George, Vermont. Credit: Robert Nickelsberg/Getty Images The United States. The key to a more secure grid is not more fossil fuels. Instead, we need to scale up energy efficiency and demand response, expand wind, solar, and batteries, and improve interregional transmission links. This story was originally published in December 2022. Renewable energy-based backup power can help make these communities more resilient, shielding them from electricity outages due to extreme weather events. In particular, solar-powered microgrids, where solar energy is paired with battery storage, can provide power for rural communities while. According to the report, at by compromising grid is not both prepared the energy ability to estimates of this is directly an additional 100 GW of new peak hour supply is needed by 2030. is accelerating is accustomed to moderate centers to the grid. and gas, and nuclear, is.

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### Microgrids and Energy Improvements in Rural Areas

In particular, solar-powered microgrids, where solar energy is paired with battery storage, can provide power for rural communities while reducing energy insecurities and greenhouse gas ...

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### Reality Check: Keeping the Lights on in Extreme Winter Weather

In late December 2022, Winter Storm Elliott made this urgency painfully clear. During the storm, which hit over 20 states from the Midwest across to the East Coast, 13 percent of planned ...



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### What really broke on the grid during Storm Fern - it wasn't wind or solar

After Storm Fern cut power to millions, GoodPower CEO Leah Qusba explains what really failed on the grid, and why wind and solar weren't to blame.

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### Digging Deep to Understand Rural Opposition to Solar Power

New research from the University of Pittsburgh helps to broaden understanding of what factors drive rural attitudes about solar power. The authors interviewed 32 farmers and 16 ...

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### **When the grid goes down, solar power can step up**

The nonprofit helps provide disaster-hit communities with cleaner, quieter energy, by building portable power systems that run on solar panels and batteries. In some cases, the Footprint ...

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### **In the wake of disasters, rural health could end up running on solar.**

The initiative targets rural health centers across the southeastern U.S., a region that experienced 474 weather-related power outages in 2022 -- more than any other part of the country, ...

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### **Solar and battery can reduce energy costs and provide affordable ...**

Here we present a comprehensive nationwide assessment of over 500,000 US households, evaluating economic and

back-up viability of solar-battery systems.

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## Real-time Operating Grid

Access real-time data and insights on the U.S. electricity grid's operations, including generation, demand, and system conditions.

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## Different Solutions for Urban and Rural Power Outages

Explore tailored backup power solutions for urban and rural outages and how to prepare with mobile solar generators.

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## The Department Of Energy's Resource Adequacy Report Affirms ...

According capacity will lead to shortfalls during generation. to the report, being replaced of low intermittent on a one-to-

one renewable basis power deteriorates  
in projections all regions. of ...

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