



# Rural wind and solar power generation and energy storage





## Overview

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The new energy deployment programs offer funding and unprecedented incentives to expand new energy deployment, transforming rural power production, create jobs, and accelerate economic growth. These funds will also help eligible organizations in renewable energy infrastructure and zero-emission.

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BOSTON — The United States produced more than three times as much solar, wind and geothermal power in 2024 as we did in 2015, with growth in all 50 states. That's according to The State of Renewable Energy 2025, the online dashboard that tracks the growth of renewable energy in every state.

Renewable energy, particularly solar and wind power, is set to play a major role in the future of the U.S. electricity system. While it offers environmental, economic, and social benefits, it also requires investments in infrastructure, smart grid technologies, and regulatory frameworks. Rural.

Today, we're excited to share that the first round of New ERA projects with a total



investment of \$29 billion has been announced with \$7.3 billion in federal support for Rural Electric Cooperatives (RECs). These investments in 16 cooperatives, benefitting roughly 20% of rural residents across 23.



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### RELEASE: Rural and southern states lead America's generation ...

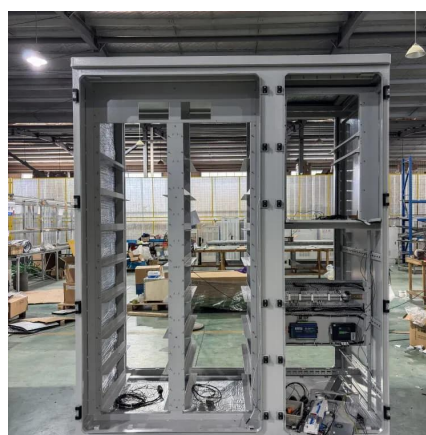
"Solar panels, wind turbines, electric vehicles and battery storage are the essential building blocks of a resilient clean energy system, and today these technologies are benefiting ...

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In 2024, 93% of all new electricity generating capacity was wind, solar or energy storage, and the U.S. Energy Information Administration expected a similar percentage in ...

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### Small Towns, Big Impact: Rural Leadership in the Clean Energy Era

Leveraging local strengths such as open land, agricultural innovation, and community-driven initiatives, these regions are embracing solar power, energy storage, and ...

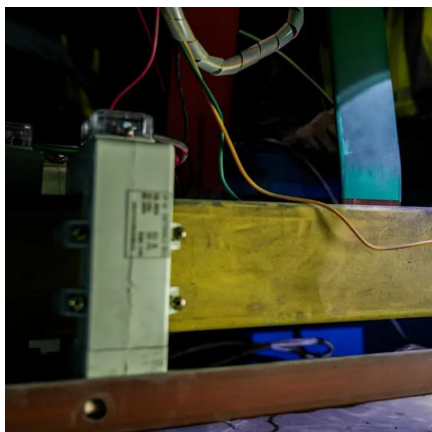
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## **New Energy Deployment**

New energy deployment programs provide funds to renewable energy developers, rural electric cooperatives, and other rural energy providers ...

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## **[Winds of Change: Renewable Energy Set to Grow in Rural ...](#)**

Rural communities have the potential to benefit from renewable energy projects, which can provide employment opportunities and access to electricity. The pace of renewable power ...

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## **Research on energy storage planning methods for distributed ...**

This approach not only improves the economic efficiency and operational performance of rural distribution networks but also provides robust theoretical and technical ...

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## **[Microgrids and Energy Improvements in](#)**



## [Rural Areas](#)

Eligible projects include improving energy efficiency, developing microgrids, improving overall cost-effectiveness of energy generation, transmission, or distribution ...

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## **A review of hybrid renewable energy systems: Solar and wind ...**

The review comprehensively examines hybrid renewable energy systems that combine solar and wind energy technologies, focusing on their current challenges, ...

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## **RPC Celebrates \$29 Billion in Clean Energy Investments in Wind, Solar**

The cooperatives championing wind, solar, agrivoltaics, and battery storage projects that deliver strong community benefits exemplify the transformative potential of ...

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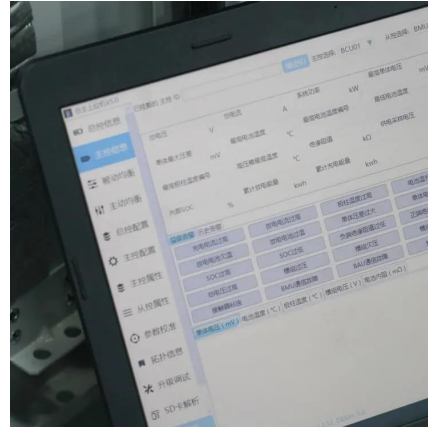
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## [America's ...](#)

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