

SolarTech Power Solutions

Will wind solar and energy storage bases boost the economy



Overview

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This report explores how economic forces, public policy, and market design have shaped the development of stand-alone grid-scale storage in the United States. Grid-scale storage can play an important role in providing reliable electricity supply, particularly on a system with increasing variable.

The opportunity is clear: with the right policy reforms, revenue mechanisms, and investment frameworks, energy storage can deliver near-term reliability, long-term resilience, and economic returns. In 2024, energy storage became one of the most dynamic and consequential forces shaping the US energy.

This analysis assesses many aspects of utility-scale wind, solar, and energy storage investments in Texas, including local tax collections, landowner payments, and the local sentiment surrounding these projects. We find that: Renewables are a large, and growing, source of tax pay-ments and revenue.

In our latest Short-Term Energy Outlook, we forecast that wind and solar energy will lead growth in U.S. power generation for the next two years. As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion kilowatthours.

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