

Photovoltaic power generation and wind power policy

2025 has been a challenging year for renewables. The new tax law, commonly referred to as the One Big Beautiful Bill Act, rolled back many clean energy tax credits and imposed new restrictions, ...

Solar and wind energy will lead the growth in U.S. power generation for at least the next two years, according to EIA estimates. This report uses data from the EIA to analyze solar and...

This Research Topic aims to analyze the potential positive and negative contributions of wind/energy sources to environmental quality, and therefore is expected to address the potential ...

Few studies have optimized global deployment of photovoltaic and wind power. Here we present a strategy involving construction of 22,821 photovoltaic, onshore-wind, and offshore-wind...

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 (kWh) in 2023 to 286 billion kWh in ...

There is a patchwork of federal, state, and local policies and regulations pertaining to renewable energy systems that impact your project development. It is important to understand the ...

In this chapter, a detailed analysis of the rise of solar PV technology in China, Germany, Japan, and the USA is presented, along with how PV development is influenced by policies in ...

This report calls for strategic government action, enhanced infrastructure, and regulatory reforms to ensure the successful large-scale integration of solar PV and wind in order to meet global ...

State Solar Carve-Out ProgramsSolar Interconnection Standards & PoliciesUnderstanding Electricity Market Frameworks & PoliciesInterconnection standards define how a distributed generation system, such as solar photovoltaics (PVs), can connect to the grid. In some areas of the United States, the interconnection process lacks consistent parameters and procedures for connecting to the grid or is unnecessarily complex. This drives up costs and causes delays, which can be sign...See more on epa.govDeloitte2026 Renewable Energy Industry Outlook | Deloitte ...2025 has been a challenging year for renewables. The new tax law, commonly referred to as the One Big Beautiful Bill Act, rolled back many clean energy tax ...

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

Taken together, these efforts illustrate the Biden Administration's multipronged approach to incentivizing

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solar energy generation and other renewable energy sources in the United States.

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