

Solar power generation under energy crisis

Solar power Solar and wind power has grown faster than electricity demand this year, report says A new analysis of solar and wind power shows its generation worldwide has outpaced electricity demand ...

This trend became more pronounced in 2023, marked by a volatility that disrupted renewable energy generation globally. Temperatures soared 1.45°C above pre-industrial levels, and ...

Explore how renewable energy is reshaping the U.S. electric power sector amid rising demand and policy changes.

Electricity generation by the U.S. electric power sector totaled about 4,260 billion kilowatthours (BkWh) in 2025. In our latest Short-Term Energy Outlook (STEO), we expect U.S. ...

More communities are relying on solar power as a source of renewable energy, but increasing demand and climate change threaten its reliability.

We find that, due to technological trajectories set in motion by past policy, a global irreversible solar tipping point may have passed where solar energy gradually comes to dominate ...

Under current supply chain conditions, the United States is on track to fall significantly short of surging demand for three clean energy sources--wind, solar, and battery--due to the ...

Despite the Trump administration's wide-ranging attacks on renewables like wind and solar power, the clean-energy industry is on pace for record growth this year, according to ...

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Electric grids are increasingly under strain, and demand for energy is soaring. But not everyone sees the virtue in dotting homes across the country with solar panels.

This article explores why the solar industry is struggling, what it means for the clean energy transition, and how governments and homeowners can adapt. From climate impacts to ...

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