



National solar power generation demand

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Solar Resource Maps and Data Find and download resource map images and data for North America, the contiguous United States, Canada, Mexico, and Central America. Solar Supply ...

The US clean electricity transition continued as wind and solar generated more than coal for the first time. Electricity demand growth sped up and solar generation rose more quickly than gas ...

Sustained power growth through 2040 is driven by manufacturing and data centers in the near-term, and electrification of heating and transportation in the long-term. General economic and population ...

In our STEO forecast, utility-scale solar is the fastest-growing source of electricity generation in the United States, increasing from 290 BkWh in 2025 to 424 BkWh by 2027.

The quantity of electricity generated in the US by all sources, from natural gas to rooftop solar, rose by 3.1% in 2024 from 2023 to a record of 4,304,039 gigawatt-hours (GWh), according to ...

o At the end of 2024, solar was the second-largest source of U.S. generation capacity, though still a growing percentage of the U.S. electric generation mix. o In 2024, solar represented ...

Solar accounted for 58% of all new electricity-generating capacity added to the US grid through the third quarter of 2025, with more than 30 GW installed. Solar and storage, combined, ...

Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry.

Nationally, solar photovoltaics have seen a steady increase, now accounting for 6.22% of all electricity generated over the past 12 months, as shown in PV Intel's national solar data summary. ...

Latest hourly electricity demand (U.S.) 2/2/2026 1 p.m. EST 565,786 megawatthours U.S. change in demand



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from prior hour as of 2/2/2026 1 p.m. EST (percent change) SWPP MISO CISO FPL BPAT ...

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