

National investment in solar power generation projects

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector.

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 13.7% of net ...

The Major Solar Projects List is a database of all ground-mounted solar projects, 1 MW and above, that are either operating, under construction or under development.

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, accounted for 85% ...

Taken together, these efforts illustrate the Biden Administration's multipronged approach to incentivizing solar energy generation and other renewable energy sources in the United States.

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. Almost 70 gigawatts (GW) of ...

This brief summarizes the evidence of how key investment in solar research and deployment, along with support from the U.S. Department of Energy (DOE), can help realize these opportunities for American workers, ...

The Bipartisan Infrastructure Law (BIL) includes almost \$58 billion for clean energy and power initiatives, encompassing solar energy projects and power grid enhancements.

Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. Renewables now dominate new power generation capacity, while new domestic clean energy manufacturing facilities are ...

Millions of Americans are deciding to power their homes with solar energy--especially as costs have decreased--but an investment in solar energy generates more than just clean energy. It can support ...

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