# Federal Solar Power Generation

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This page describes the patchwork of federal, state, and local policies and regulations pertaining to renewable energy systems that impact project development.

In FY 2023, federal agencies generated 805,182 MWh of renewable electricity with on-site solar energy projects. The top five states for federal on-site solar energy generation were California (164,910 ...

Newly published data from the Federal Energy Regulatory Commission (FERC), reviewed by the SUN DAY Campaign, reveal that solar accounted for over 75% of US electrical generating ...

OverviewSolar potentialHistorySolar photovoltaic powerConcentrated solar power (CSP)Government supportSee alsoFurther readingSolar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 219.8 terawatt-hours (TWh) in the United States. Total solar generation that year, including estimated small-scale photovoltaic generation, was 303.8 TWh.

Texas is now the top state for utility-scale solar power generation capacity. However, developers of new solar projects face a changing operating environment, one lacking strong federal ...

In the first nine months of 2025, more than three-quarters of the electrical generating capacity added in the United States was solar power, according to new data published by the ...

This statute provides the framework for the development of solar energy and wind energy projects on federal lands managed by the Bureau of Land Management (BLM).

Solar and wind accounted for 91% of new US electrical generating capacity added in H1 2025, according to data just released by FERC.

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility ...

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...

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