

Go to the United States to develop solar power generation



Overview

On this page, you can explore our database of planned solar projects in the US. Note: Capacity values represent the amount of generating capacity at utility-scale power plants (greater than 1 megawatt). Other renewables include geothermal, waste biomass, wood biomass, and pumped storage hydropower. In our latest Short-Term Energy Outlook (STEO), we expect that U. renewable . Utility-scale solar generation grew to 232 TWh in the rolling 12 months through March 2025, according to the latest data from the Energy Information Administration. Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy . Utility-scale solar posts record growth in 2024; projected to supply most of the nation's increase in electricity generation in 2025 and 2026 The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid . Local governments have many tools at their disposal to influence solar energy development. At the same time, decisions made at the federal and state levels set the context for local action and impact the set of strategies that may be most appropriate or effective for a given jurisdiction. The Renewable Energy pillar comprises four technology offices: EERE offers funding for renewable .

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[Record-breaking year ahead for US power generation with solar](#)

The US is experiencing its most transformative year for electricity generation in over 20 years, driven by a surge in solar energy and backed by large-scale battery storage.

Land Use & Solar Development - SEIA

There is tremendous solar power generation potential in the United States. In five minutes, enough sunlight shines on the continental U.S. to satisfy our electricity demand for an entire month. The U.S.



A Decade of U.S. Solar Growth

Top 10 states for utility- and small-scale solar (combined) generation in 2023. Find data for all 50 states and the District of Columbia in the full dataset.

Planned Solar Projects in the United States

Here is a map of all utility-scale planned solar projects in United States. Hover over a planned solar project to view information on each project like their name, capacity and construction date.



[New solar plants expected to support](#)



[most U.S. electric generation](#)

In our latest Short-Term Energy Outlook (STEO), we expect that U.S. renewable capacity additions—especially solar—will continue to drive the growth of U.S. power generation over the next

[Electricity generation from U.S. solar grows 28% year-over-year](#)

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information Administration's (EIA) latest release of its Electric



[Biden-Harris Administration Announces Significant Progress to](#)

WASHINGTON - The Department of the Interior today announced an updated roadmap for solar energy development across the West, designed to expand solar energy production in more

Solar energy on the rise in America

The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid, accounting for 61% of new



Solar Energy Toolkit: The Federal and State Context

At the federal level, there are several key policies, programs, and regulations that impact the development of solar PV and other renewable energy projects, influencing project procurement

Renewable Energy Pillar

In 2022, annual U.S. renewable energy generation surpassed coal for the first time in history. By 2025, domestic solar energy generation is expected to increase by 75%, and wind by 11%.



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