# The impact of solar power generation in the west

This report uses data from the EIA to analyze solar and wind capacity and generation over the past decade (2014 to 2023) in all 50 states and the District of Columbia.

This paper addresses a portion of that comparison, by providing a new estimate of the air quality and climate benefits of wind and solar generation in the United States in years 2019 through ...

As solar deployment grows, engagement with local communities becomes increasingly important. Solar deployment, especially on the distribution system, can bring jobs, savings on electricity bills and ...

Several states are currently leading the solar energy installation race due to better policy support, such as California and Arizona.

Solar energy is depleting farmlands of their rich soils in the U.S. Midwest. The solar industry is moving into the U.S. Midwest, drawn by cheaper land rents, access to electric ...

Three states accounted for almost one-half of the utility-scale solar fleet in the United States during August 2024: California (21.0 GW), Texas (18.8 GW), and Florida (9.7 GW).

Using first-hand experience in the public and private sectors, the article highlights common impacts encountered in regulating utility-scale solar power facilities and offers solutions.

Our research is motivated by three key questions. First, how do new investments in generation technology types, power plant locations, and associated land use requirements in the ...

Can we integrate large amounts of wind and solar energy into the electric power system of the West? That"s the question explored by the Western Wind and Solar Integration Study, one of ...

Solar"s Share of U.S. Energy Production Rises Across States Solar"s share of U.S. electricity generation has risen from less than 0.1% in 2010 to over 8% today. Solar has grown to play an increasing role in ...

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