



State Solar Power Generation Planning

How do local governments influence solar energy development?

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.

How can state policies help grow solar energy?

Many policies that advance the growth of solar energy are established at the state level. This can include state tax incentives for solar, which provide an additional tax benefit on top of the federal ITC. Other state policies, discussed below, can include:

What percentage of State Electricity is generated by solar energy?

In 2022, solar energy contributed 19% of the state's utility-scale electricity net generation. When adding small-scale generation, solar energy accounted for 27% of the state's total electricity generation. The solar industry employs more than 78,000 throughout the state.

How much solar energy does Texas generate?

When adding small-scale generation, solar energy accounted for 27% of the state's total electricity generation. The solar industry employs more than 78,000 throughout the state. Texas has become one of the leading states in both solar energy potential and solar power generation.

This report summarizes the latest statistics on solar power capacity by state and highlights the top U.S. states in solar power generation.

Updated August 2025 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 ...

Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the ...

In this decisive decade, we must look to state policymakers to lead on the creation of next-generation distributed generation policy that addresses the evolving dynamics of load growth, ...

We encourage assistance in Massachusetts communities carrying out the Planning for Solar communities. Community to Planning reach out for to Solar CEE process, for assistance ...

Similarly, the difference in DSPV generation to satisfy the electricity demand in various sectors requires political and industrial efforts to address the mismatch between solar PV power ...

Energy storage resources have become an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy ...



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The Role of Local Governments in Accelerating Solar Solar deployment has increased rapidly in the last 10 years, allowing more communities to access the benefits of solar photovoltaics ...

The State and Local Planning for Energy (SLOPE) Platform integrates and delivers data on energy efficiency, renewable energy, and sustainable transportation into an easy-to-access online ...

Accurate solar and wind generation forecasting along with high renewable energy penetration in power grids throughout the world are crucial to the days-ahead power scheduling of ...

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