

Solar power generation land policy



Overview

Department of the Interior's August 2025 order adds new permitting hurdles for wind and solar on federal lands. Learn how capacity density rules, stricter NEPA reviews, and longer timelines could impact your projects—and how to stay ahead. Across the 245 million acres of public land it manages, the BLM maintains more than 19 million acres as open for potential solar development, subject to a variance process. Solar energy development projects on BLM-managed public lands are authorized as rights-of-way under Title V of the Federal. Abstract—The rapid deployment of large numbers of utility-scale photovoltaic (PV) plants in the United States, combined with heightened expectations of future deployment, has raised concerns about land requirements and associated land-use impacts. Yet our understanding of the land requirements of. By the third quarter of 2012, the United States had deployed more than 2. 1 gigawatts (GWac1) of utility-scale solar generation capacity, with 4. 6 GWac under construction as of August 2012 (SEIA 2012). State Solar Carve-Out Programs - Learn about which states. Actions to expand generation and consumption of solar and wind energy are seen in three distinct arenas: (1) incentivizing renewable energy production and use, (2) increasing the use of public lands for solar and wind energy projects, and (3) expanding electricity transmission to allow. Across the country, solar farms have experienced rapid growth, supported by advancements in technology, cost reductions, and policy initiatives such as state-level renewable portfolio standards and tax credits. As shown in Map 1, roughly 18% of ground-mounted PV facilities in the U.

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Federal Lands and Renewable Energy: A Shifting Landscape

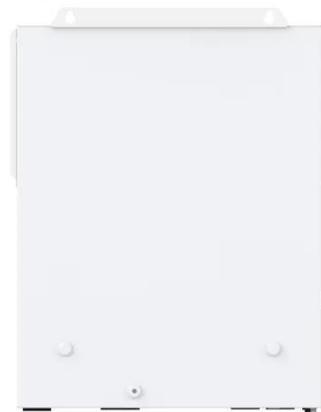
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Policies and Regulations , US EPA

There is a patchwork of federal, state, and local policies and regulations pertaining to renewable energy systems that impact your project development. It is important to understand the ...

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Land-Use Requirements for Solar Power Plants in the United States

After discussing solar land-use metrics and our data-collection and analysis methods, we present total and direct land-use results for various solar technologies and system configurations, on both a ...

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Policies and Regulations , US EPA



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).

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Recent Developments in the Federal Multipronged Approach to ...

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).

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Solar Energy

Solar energy development projects on BLM-managed public lands are authorized as rights-of-way under Title V of the Federal Land Policy and Management Act of 1976, as amended ...

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Position Statement Solar and Wind Energy Development on ...

natural resource values, wildlife habitat, and cultural resources. Through upfront land use planning and appropriate levels of environmental review, the BLM can

ensure the responsible development of ...

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Siting Clean Energy: An Inventory of State Policies and Permitting

Solar or wind projects must meet standards to manage land use and regulate their development and construction. For example, there may be restrictions on how much land a project ...

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Land Requirements for Utility-Scale PV: An Empirical Update on ...

Yet our understanding of the land requirements of utility-scale PV plants is outdated and depends in large part on a study published nearly a decade ago, while the utility ...

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Harvesting the Sun-Twice: Agrivoltaics and Rural Land-Use

This dual land-use approach allows solar energy production to coexist with farming activities, from crop cultivation

to livestock grazing and supporting pollinator habitats.

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Land Use & Solar Development - SEIA

Like fossil fuel power plants, solar plant development requires some grading of land and clearing of vegetation. However, as utility-scale photovoltaics (PV) technology has improved over the last ...

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