



Land policy for solar power generation projects





Overview

This report provides data and analysis of the land use associated with U. 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. In a landmark accord, major solar developers, conservation groups, agricultural organizations, environmental and environmental justice groups, and tribal entities announced today their agreement to advance large-scale U. 6 GWac under construction as of August 2012 (SEIA 2012). Continued growth is anticipated owing to state renewable portfolio standards and decreasing system. elopment is large-scale solar photovoltaic (PV) plants.



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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 ...

[Utah 2020 LAND USE CONSIDERATIONS FOR LARGE-SCALE ...](#)

g prime farmland and natural areas to power production. Stormwater and vegetation management strategies can help address these issues and make large-scale solar projects a win-win.



[Permitting and Land Use , The Law of Solar Guide](#)

Explore the essential permitting and land use requirements for constructing solar energy facilities, including state and local siting authority, regulatory approvals, and potential challenges.

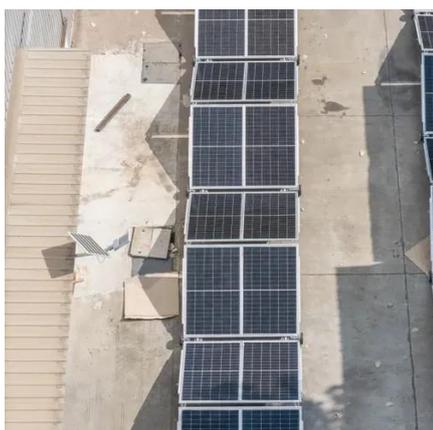
The Next Phase of Energy Development

Developing renewable energy infrastructure on federal lands can appear cumbersome and time-consuming at first glance, but it also delivers strong advantages. Most notably, the federal ...



Policies and Regulations

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



[Federal Lands and Renewable Energy: What the New DOI Order ...](#)

The U.S. 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 ...



[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 ...



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 ...



[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 ...

[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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