



FTMRS SOLAR

# **Solar energy on-site wind power is not allowed**





## Overview

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Are solar photovoltaic ordinances based on rules for wind?

Solar photovoltaic (PV) systems are typically not tall or loud, so the large number of ordinances that impose limits in those areas probably indicate that many jurisdictions are crafting their ordinances based on rules for wind.

Why do some states have solar ordinances?

For example, North Carolina has a large number of solar installations 24, and also has a high density of counties with solar ordinances. The correlation in wind and solar ordinances can also explain why states like Florida, which have active solar development markets but no utility-scale wind, have wind ordinances.

How many wind energy projects are on public lands?

As of March 2020, 40 wind energy projects have been approved on public lands, with a total installed capacity of 5,600 megawatts, enough to power 1 million homes. Public lands, which may be owned by the state or county, operate under their own jurisdictional review and approval processes.

How many wind and solar ordinances are there in 2022?

We identify over 1,800 ordinances for wind and more than 800 ordinances for solar in 2022. To understand the impact of ordinances on anticipated land availability, we use spatial modelling on the setbacks specified in the ordinances.



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Potential contributions of wind and solar power to China's ...

May 1, 2022 · China's goal of being carbon-neutral by 2060 requires a green electric power system dominated by renewable energy. However, the potential of wind and solar alone to ...

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US raises permitting hurdles for wind, solar projects on ...

Jul 21, 2025 · Solar and wind projects on public land in the United States will now undergo "elevated review" by US Department of Interior head Doug Burgum.

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Across America, clean energy plants are being banned faster ...

Feb 4, 2024 · Across America's power grid, there's a growing gap between what we need and what we'll allow. As the planet warms and climate disasters grow more costly, the U.S. has set ...

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WINDEXchange: Wind Projects on Public Lands

Learn more about the rule that facilitates responsible solar and wind energy development on public lands; maps that show wind energy resources on public lands and identify existing land ...

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Restrictions and Barriers to Renewable Energy in Local ...

Jul 14, 2022 · On-site energy consumption requirements: Some zoning ordinances include requirements that renewable energy systems, usually solar panels, be used exclusively for on ...

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US raises permitting hurdles for wind, solar ...

Jul 21, 2025 · Solar and wind projects on public land in the United States will now undergo "elevated review" by US Department of Interior head Doug ...

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How we tallied local bans, limits on renewable ...

Feb 5, 2024 · Green energy might technically be allowed, but building restrictions, especially those focused on wind power, make it so difficult ...

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Impact of siting ordinances on land availability for wind and solar

Aug 3, 2023 · Local zoning ordinances may impact wind and solar development in the United States. A new study finds that setbacks could reduce resource potential by up to 87% for wind ...

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How we tallied local bans, limits on renewable energy ...

Feb 5, 2024 · Green energy might technically be allowed, but building restrictions, especially those focused on wind power, make it so difficult that experts and industry representatives ...

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State and Local Permitting Restrictions on Solar Energy ...

Jul 10, 2024 · This analysis, similar to the prior one in the series on wind power, utilizes the National Renewable Energy Laboratory's (NREL) database of state and local ordinances ...

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## Solar Energy Systems and Wind Turbines by-Right

ALL Remove Code Barriers Create Incentives Fill Regulatory Gaps Solar Energy Systems and Wind Turbines by-Right Kerrigan Owens (author), Jonathan Rosenbloom & Christopher ...

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## State and Local Permitting Restrictions on ...

Jul 10, 2024 · This analysis, similar to the prior one in the series on wind power, utilizes the National Renewable Energy Laboratory's (NREL) ...

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## Site Considerations , US EPA

Oct 20, 2025 · Favorable solar sites have access to existing electrical infrastructure, southern exposure to direct sunlight, minimal shading, easy access to the physical project site, and site ...

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