

Policy regulations for industrial land use for energy storage projects

Do energy storage systems need zoning standards?

Consequently, zoning standards are generally not necessary for these energy storage systems. Define BESS as a land use, separate from electric generation or production but consistent with other energy infrastructure, such as substations. BESS have potential community benefits when sited with other electric grid infrastructure.

How many jurisdictions have zoning ordinances addressing battery energy storage systems?

The study identified, through a search of the Municode database, 59 jurisdictions with ordinances (zoning but also building, fire, tax, and sustainability ordinances) addressing battery energy storage systems.

Does stationary battery storage fit into zoning regulations?

However, BESS have potential applications across the rural-to-urban transect, and most communities will need to address BESS in some form. This issue of Zoning Practice explores how stationary battery storage fits into local land-use plans and zoning regulations.

What are the different types of energy storage policy?

Approximately 16 states have adopted some form of energy storage policy, which broadly fall into the following categories: procurement targets, regulatory adaption, demonstration programs, financial incentives, and consumer protections. Below we give an overview of each of these energy storage policy categories.

What is a storage policy?

All of the states with a storage policy in place have a renewable portfolio standard or a nonbinding renewable energy goal. Regulatory changes can broaden competitive access to storage such as by updating resource planning requirements or permitting storage through rate proceedings.

Does a small battery system have a land use issue?

Small BESS (residential and commercial battery systems) located within existing buildings do not present land use issues, nor health and safety issues that are materially different from other electric devices or appliances. Safety and fire issues for these systems are addressed under the NEC and NFC.

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

Local restrictions have been applied to distributed and to utility-scale projects; to wind and to solar; and include ordinances that apply blanket bans or moratoria on project construction. This ...

systems under typical zoning and land use regulations and it includes the process for compliance with the State Environmental Quality Review Act. Municipalities should review this Model Law, ...



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Importance of Zoning and Environmental Compliance in Commercial Solar Compliance with zoning regulations and environmental guidelines is essential for any commercial solar project. ...

This report provides an overview of BESS from a land use perspective and describes their implications for zoning and project permitting. It concludes with an analysis of current energy ...

Counties with "Detailed Solar Land Use Regulations" have documentation on all the policies listed in the review's search criteria, and counties with "Some Solar Land Use Regulations" have ...

Collaborative efforts between industry and government partners are essential for creating effective rules and ordinances for siting and permitting battery energy storage systems as energy ...

Instructions for Use This document is designed to inform the development of individual ordinances or state regulations to guide the development of utility-scale energy storage facilities. It may not ...

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