

# Construction of large-scale energy storage projects in Mexico





## Overview

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A month after India introduced an energy storage mandate for renewable energy plants and China scrapped its own, Mexico has stepped forward with an ambitious 30% capacity requirement, alongside plans to add a further 574 MW of batteries by 2028. Will Mexico develop energy storage technologies in the next decade?

However, we expect Mexico to develop its energy storage technologies significantly over the next decade, as well as its lithium mining industry, as it increases its renewable energy capacity as part of a global green energy transition.

How can Mexico accelerate investment in energy storage?

Mexico must set a legal definition of energy storage and clear market regulations. As a late mover, Mexico can select projects with less technological uncertainty. Procurement targets accelerate the formation of a storage market in the short term. Financial incentives are necessary to accelerate investment in energy storage.

Will Mexico start energy storage RD&D projects?

The roadmap suggests developing regulations and promoting research, development and demonstration (RD&D) projects, but these proposals have not yet been adopted as a formal policy guideline. Nevertheless, Mexico is expected to start energy storage RD&D projects in the next years.

Does Mexico need a storage infrastructure?

As Mexico's generation capacity continues to increase at a pace that its transmission infrastructure cannot keep up with, the development of storage infrastructure becomes even more urgent if the Mexican electricity system is to function efficiently and reliably, agree industry experts.

Should energy storage be a priority in Mexico?



If energy storage deployment is considered a priority in the following years, Mexico could accelerate investments through a mix of storage procurement targets and financial incentives. A strong storage market can also be built over time by offering rebates, loans, investment grants, tax credits or other financial incentives.

Why is storage important in Mexico?

As such, storage is increasingly needed to inject much-needed flexible power into the grid. He noted that one of the most important obstacles standing in the way of storage development in Mexico continues to be the legal and regulatory certainty of projects.



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2MW / 5MWh  
Customizable

### Clean energy transition in Mexico: Policy recommendations for ...

Mexico should also focus on funding demonstration projects of well-proven technologies and introducing financial incentives to accelerate investments in energy storage. ...

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### Utility-Scale Battery Storage Systems: Legal Issues and Opportunities

As with any energy project, however, utility-scale battery storage projects present land use, permitting and environmental and health and safety issues, and developers need to ...

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### Mexico announces battery storage mandate for renewable energy ...

Future wind and solar energy projects in Mexico will be required to colocate battery energy storage systems equivalent to 30% of their capacity, a senior government official told ...

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### [Opportunities for Battery Storage Technologies in Mexico](#)

This report provides a high-level summary of the role that battery storage technologies can play in Mexico's transition toward higher penetrations of variable renewable energy generation.



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## **Microsoft Word**

The uses for this work include: Inform DOE-FE of range of technologies and potential R& D. Perform initial steps for scoping the work required to analyze and model the benefits that could ...

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## [Electric storage in Mexico: challenges and progress](#)

In summary, electrical energy storage in Mexico and other Latin American countries is in a phase of growth and development. The implementation of energy storage ...

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## Mexico Clean Energy Report

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Many businesses adopt energy storage, but hurdles such as transmission rates and market limitations hinder cost-effective deployment. The text emphasises the global ...

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## Mexico Energy Storage Market 2024-2030

What promising potential do alternative energy storage technologies, such as flow batteries and hydrogen storage, hold for the future in Mexico, particularly in terms of offering ...

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## [Invenergy . Innovators in renewable and clean energy](#)

August 29, 2024 - Invenergy, the leading privately-held developer, owner, and operator of sustainable energy solutions, announced completion of the El Sol Energy Storage Center (50 ...

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### [Latinvex , Mexico's Energy Transition](#)

Mexico's energy sector is undergoing a major transformation, with energy storage playing a crucial role in its future. The newly established regulatory framework sets the ...

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### [Mexico's Santa Teresa solar and storage project](#)

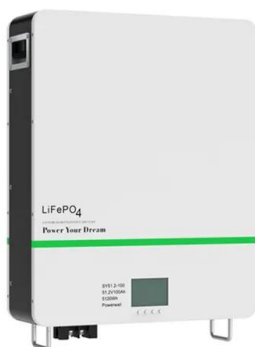
"The project not only contributes to regional grid stability via large-scale energy storage, but it also underscores our shared commitment to clean energy and economic ...

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### **Cleanview January 2025 report**

Methodology and notes (2/2) To ensure accuracy and add depth to our analysis, Cleanview's team of clean energy experts validates many projects against multiple sources, including ...

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### [Strong Fundamentals for Energy Storage in Mexico](#)

However, we expect Mexico to develop its energy storage technologies significantly over the next decade, as well as its lithium mining industry, as it increases its renewable energy capacity as ...

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