

PDEOZE PowerContainer

Mexico Anti-corrosion Containerized Power Generation



Overview

How will Mexico restructure its power sector in 2025?

On March 18, 2025, President Claudia Sheinbaum enacted a sweeping energy reform package that restructures Mexico's power sector in favor of state-owned companies. The package includes eight new secondary laws and amendments to three existing laws, implementing the framework laid out in Sheinbaum's October 2024 constitutional reform.

Does Mexico have a power generation expansion plan?

Share it! The Federal Electricity Commission (CFE) has approved a series of strategic investments totaling billions of dollars to modernize Mexico's power generation infrastructure. The government outlined its 2025-2030 Power Generation Expansion Plan, which includes 12 new power plants with a combined capacity of 5,840MW across nine states.

What does the new energy reform package mean for Mexico?

The package includes eight new secondary laws and amendments to three existing laws, implementing the framework laid out in Sheinbaum's October 2024 constitutional reform. These changes largely reverse the liberalization introduced in Mexico's 2014 energy reform, significantly restricting private-sector participation.

Are US and Mexico's energy sectors interconnected?

The U.S.' and Mexico's energy sectors are deeply interconnected, with significant cross-border electricity trade, extensive natural gas imports by Mexico, shared supply chains, and U.S. investments in Mexico's energy market. The contradictory stipulations in the LESE could lead to:

Will Mexico reduce gas-fired electricity generation in 2024?

This would reduce gas-fired electricity generation in Mexico by 20% from 203.8 TWh in 2024 to 163.4 TWh in 2030, even as electricity demand rises by

15%. This would reduce the need to import gas by more than 384 billion cubic feet (Bcf) compared to 2024.

How much electricity does Mexico generate from renewables?

Mexico generated 22% of its electricity from renewables in 2024, below the global average of 32% and well below the Latin American average of 62%. In October 2024, Mexican President Claudia Sheinbaum, in her inaugural address, declared that renewables would be promoted so as to reach a 45% share of electricity generation by 2030.

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Compared to other Latin American countries, Mexico is in a favorable position due to its abundance of solar and wind resources. However, countries such as Chile and Peru ...

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In this paper, we consider eight electricity generation technologies in Mexico. Five of these are powered by fossil fuels, while the other three are powered by renewable sources.

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This policy brief highlights the key policy complications within the law and their potential impact on Mexico's energy sector, U.S.-Mexico trade relations, and regional energy ...

Over half of Mexico's electricity relies on United States gas imports, risking its energy security. Achieving 45% clean generation by 2030 could cut gas imports for electricity ...

Mexico Energy Profile - Analysis and key findings. A report by the International Energy Agency.

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In the summer of 2025, Baja California, Mexico faced surging electricity demand from record heat and escalating grid constraints. National utility operators required immediate, reliable ...

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A containerized 0.5-2 Mw power plant based on Liquid Natural Gas (LNG) to supply electricity, heat and/or cooling used as redundant off-grid solution, low carbon footprint & low

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