



Mexico three energy solutions

What are Mexico's energy transition goals?

1. Introduction Following the Energy Reform of 2013 and the Energy Transition Law of 2015, Mexico set a national strategy for the decarbonisation of the electricity sector and established three clean energy transition goals: 35% of the total electricity production must come from clean energy by 2024; 37.7% by 2030; and 50% by 2050 . 1

Which energy sources can be used in Mexico?

From all the clean energy sources in the country,two have enormous potential: Solar or photovoltaic energyfor the center and north of Mexico. According to international studies,our country is located in the coordinates most favored by the sun's rays,which translates into an unparalleled natural opportunity to collect solar renewable energy.

How much solar power does Mexico need in 2024?

To meet the 35% clean energy target in 2024,Mexico needs at least 128.83 TWhor 42.56 TWh of additional clean energy generation. National solar PV capacity potential is estimated at 24,918 GW.1 This potential capacity could generate 50,196 TWh/yr or 137 times the 365 TWh estimated demand for Mexico in 2024.

How much energy will Mexico need by 2030?

Mexico will require around \$350 billionin energy capital expenditures by 2030. prioritized over cost efficiency. The key tools in this scenario are government rent and supply security. The second alternative scenario focuses on an accelerated case,showing how incremental progress in technology could enable the faster adoption of clean energy.

Can Mexico achieve its energy potential?

Mexico has a large and diversified base of resources that could offer one of the lowest energy costs in the world. The energy transition could help the country achieve its potential. Global energy systems trends have an impact on every country's domestic energy prospects--and Mexico is no exception.

How much energy does Mexico have?

In 2017,Mexico had a total installed capacity of 75.68 GW,70.5% of which corresponded to conventional energy and only 29.5% to clean energy .

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MEXICO: NORTH AMERICAN CLEAN ENERGY POWERHOUSE | 4 Mexico Has Abundant Renewable Energy Resources to Meet Its Energy Goals
o Mexico generated 86.27 TWh or 26.7% of its electricity from clean energy resources in 2021.
o To meet the 35% clean energy target in 2024, Mexico needs at least 128.83 TWh or 42.56 TWh of additional

Regardless of which option is chosen, Mexico must implement these clean energy sources for the development of the country, society and the world. Today, private and public organizations must work together to find intelligent solutions to combat climate change.

As the energy demands that will influence Mexico's energy matrix in the coming decades, they all share a single message: demand for fossil fuels will eventually peak and be replaced by demand for renewables. In our cost-efficiency scenario, Mexico's primary energy demand growth is expected to slow down, given the anticipated progress in energy efficiency

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accessible solution to advance environmental commitments outlined in Agenda 2030.

We deliver holistic sustainable and ESG (Environmental, Social and Governance) solutions that encompass from individual projects all the way to macro-projects, such as: new and existing buildings, communities, master plans, educational ...

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We benchmark Mexico and state-run energy giant Pemex in terms of emissions, emission-reduction targets and diversification strategies. We also explore the role of vehicle fleet electrification and Mexico's potential through nearshoring of this supply chain, as well as the advantages of the country's well-developed mining sector with ...

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