

What is Bolivia's energy mix?

Bolivia's overall energy mix is dominated by fossil fuels, with natural gas (50%) and petroleum products (31%) supplying most of the country's energy in 2020. In 2021, Bolivia's national electricity agency ENDE announced its intention to generate up to 80% of the country's power from renewable sources by 2025.

Should Bolivia use solar energy to generate synthetic fuels?

Using Bolivia's own excellent solar resources to generate synthetic fuels in BPS-1 and BPS-2 would result in energy independence and security. Due to the lack of GHG emission costs in BPS-3 fuel costs remain for the fossil fuels used in the heat and transport sectors. Fig. 23.

What percentage of Bolivia's electricity comes from fossil fuels?

However, as of 2020, nearly two-thirds of Bolivia's electricity was still being generated from fossil fuels (65%), with an additional 29.3% coming from hydro (down from 31.7% in 2019), 2.5% from solar (up from 1.9%), 0.6% from wind, and 2.6% from other renewable sources.

What type of energy system does Bolivia use?

Similar to the country's total energy system, the power sector relies heavily on natural gas (AETN, 2016). The electricity network in Bolivia is broken into two classifications: the National Interconnected System (SIN) and the Isolated Systems (SAs).

How can Bolivia improve energy production?

Bolivia continues to make efforts to upgrade the infrastructure needed for renewable energy production. The National Interconnected System (SIN), which the government has put in place, aims to improve the nation's capacity for producing electricity by building additional power plants, transmission lines and substations.

How will Bolivia's energy transition affect fuel imports?

Increase in CAPEX suggests that during the transition, fuel imports will reduce, particularly those for fossil oil. Using Bolivia's own excellent solar resources to generate synthetic fuels in BPS-1 and BPS-2 would result in energy independence and security.

By transitioning to renewable energy, Bolivia can reduce poverty-related issues such as unemployment and unequal access to energy. Bolivia's commitment to renewable energy is a welcome step toward a more ...

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