

Who is responsible for alternative energy in Bolivia?

This brief benefited from valuable comments by the following reviewer: Raúl Villarroel Barrientos, Responsible for Alternative Energy, Ministry for Hydrocarbons and Energy, Bolivia. This publication and the material featured herein are provided "as is", for informational purposes.

What are the policy guidelines for the energy sector in Bolivia?

The Bolivian government has established the following policy guidelines for the energy sector: energy sovereignty, energy security, energy universalization, energy efficiency, industrialization, energy integration, and strengthening of the energy sector (MHE, 2014).

What are the potential development scenarios for the Bolivian energy system?

This study presents a general overview of the Bolivian energy system and an array of potential development scenarios based on a mix of management and goal-based measures. In a BAU scenario the energy demands would double in each sector in a period of 20 years, between 2020 and 2040.

Can solar PV reduce energy poverty in Bolivia?

These efficiency savings can be estimated to about 22%, 14%, and 26% for BPS-1, BPS-2, and BPS-3, respectively. Furthermore, large-scale development of solar PV, particularly in off-grid communities, can serve to reduce energy poverty in Bolivia (Sovacool, 2012).

Does Bolivia have a long-term energy plan?

As previously mentioned, the Bolivian government does not provide any long-term energy planning study, however, the UNFCCC (2015b) states that RE will compose 81% of electricity generation by 2030. Bolivia's scenario for 2027 according to MHE (2009) states that biomass sources will comprise 8% of total final energy demand.

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).

Bolivia is moving forward with its objective of reducing poverty and achieving universal access to electricity by 2025. Between 2014 and 2019, 4,300 households were connected to the power grid, providing electricity to ...

Total energy consumption in 2020 in Bolivia was of 43 kboe, of which shares were 24.2% for Diesel (DS), 22.0% for NG, 29.4% for gasoline and other fuels / Heavy Fuels (HF), 12.4% for ...

Moreover, Bolivia has a total of 11 renewable energy projects, each focused on either solar, hydroelectric or wind power. Efforts to Advance Renewable Energy. Despite the country's efforts, natural gas still makes up ...

The Altiplano plateau in western Bolivia has some of the world's highest and most consistent levels of solar radiation, creating a high potential for solar photovoltaic power in the region, but structural challenges may prevent ...

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The Dawn of a Solar Giant: Bolivia's Untapped Solar Potential. In the global race towards renewable energy leadership, Bolivia is emerging as a formidable contender, outpacing giants ...

A quarter of the electricity generated in Bolivia comes from renewables although 12% of the population still does not have access to electricity, according to the IEA. The government has launched the Bolivia ...

In Bolivia, the right to access to energy, as well as the development of renewable sources of energy, is a constitutional mandate; however, the regulatory development and the ...

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