

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.

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).

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.

Will Electric based heating drive the transition in Bolivia?

Heating demand in Bolivia transitions from a system dominated by natural gas and biomass to a largely electrified heating sector. Because of the low cost of renewable electricity, electric based heating will drive the transition for Bolivia's heat sector. Fig. 13.

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.

What are the heating demands in Bolivia?

Residential heating demands in Bolivia are quite low, though they do notably increase throughout the transition as access to energy services increase, except for biomass for cooking, which is phased out by the end of the transition. Heating demands are projected to increase from 52 TWh in 2015 to 205 TWh in 2050. Fig. 12.

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These simulation results suggest that a fully sustainable energy system for power, heat, transport, and desalination sectors for Bolivia by 2050 is both technically feasible and economically viable, even considering significant growth in Bolivia's energy demand.

A quarter of the electricity generated in Bolivia comes from renewables. On the other hand, 12% of the population still does not have access to electricity. The government has launched the Bolivia Electric Plan 2020-2025 to support the expansion of the el

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 ...

Montenegro also underlined that this deal placed Bolivia as a key player in the energy integration of the Southern Cone. According to YPFB, the base cost for transporting the gas will be US\$2 per ...

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Bolivia: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key ...

Future research for the Bolivian case should focus on improving the energy demand projections with econometric models; expanding the model structure to include alternative transition pathways with carbon-neutral fuels and complementary technologies; including carbon budgets and compensation with other sectors besides energy; and ...

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Over the past decade BMT have provided technical due diligence to government related to the majority of the wave energy projects executed in Australia. Of recent times, BMT has worked with the Blue Economy CRC and the University ...



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developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



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