

What is Benin's current energy situation?

This section provides information on Benin's current energy situation with energy demand-and-supply scenarios. According to the International Renewable Energy Agency (IRENA), 41% of Benin's population currently have access to electricity.

What is the energy mix in Benin?

Energy in Benin has a diverse energy mix and takes several forms including: solar, wind, hydropower, biomass, fossil resources, and mineral resources. Out of this energy mix, about 60% of energy comes from biomass. Benin is also dependent on energy imports from Ghana and Côte d'Ivoire.

Why is Benin reliant on electricity imports?

Benin is reliant on electricity imports for a significant share of its energy supply. Reform programmes, including plans for electrification, have been put in place in the country, where only 30% of the population had access to electricity in 2017.

Is Benin a good country for energy?

With a total surface area of 114 763 km², the country is endowed with a high potential for energy resources. However, almost 59% of Benin's population currently lacks access to electricity and the country is heavily dependent on external energy importation.

Is Benin energy dependent?

In 2015, Benin was energy and electrically dependent at 41.3% and 76%, respectively, which worsened given energy imports at 1319.45 GWh in 2018 relative to 1202.15 GWh in 2017, an 8.07% increase due to a 76.80% drop in national electricity production in this period.

What is the energy consumption rate in Benin?

In Benin, there is a relatively low national energy consumption rate, which is characterized by a predominance of traditional biomass energy applications. Households and transportation operations make up the majority of the energy consumption structure by sector.

Benin is subject to power cuts and recurrent energy crises, according to Atchike et al. (2020) [9]. The electric energy sector has continually undergone several energy crises ...

With the implementation of different power projects and the construction of a 127-MW power plant in Maria Gl'Azouy, Benin's installed capacity amounted to 181.5 MW in 2020; 127 MW comes from the central power ...

Benin has amongst the lowest greenhouse gas (GHG) emissions globally, yet it remains one of the most

vulnerable countries to climate change, ranking 152 out of 181 countries for extreme ...

Benin is a coastal country located in the Gulf of Guinea in Western Africa, which is a resource rich region. Energy in Benin has a diverse energy mix and takes several forms including: solar, wind, hydropower, biomass, fossil resources, and mineral resources. Out of this energy mix, about 60% of energy comes from biomass. Benin is also dependent on energy imports from Ghana and Côte d'Ivoire. While power plants and other energy facilities were built in the 1950s and 1960s, the la...

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