

Which renewable resources are available in Benin?

Of all the available renewable resources in Benin, solar has the greatest potential, and is the easiest to implement for solving problems in the Republic of Benin.

Does Benin have electricity?

Electricity consumption in the Republic of Benin is highly dependent on external supplies, with 90% of the country's electricity coming from Ghana (Okanla, 2014, as cited by Kwakwa, 2018). Benin is subject to power cuts and recurrent energy crises, according to Atchike et al. (2020).

Does Benin have a good energy sector?

This paper analyzed the energy sector in the Republic of Benin, a developing country in West Africa that has many problems in meeting the needs of its population for almost all sectors over the last decade, specifically, between 2010 and 2018, in terms of production, consumption, and imports.

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.

How much electricity is produced by biomass in Benin?

Electricity production using biomass in Benin was zero, similar to other WAEMU member countries, except for the Ivory Coast and Burkina Faso, which accounted for 53.4% and 46.6% of all electricity production (114.5 GWh), using biomass in 2018, respectively.

Does Benin have a hydroelectric potential?

According to a study by Ref., Benin has considerable hydroelectric potential for developing large, medium, small, and micro-hydroelectric plants in the Borgu and Oloufoun regions, for example, with estimated generation capacities at 70 GWh and 72 GWh, respectively.

A national policy that promotes and expands government-subsidized cooking gas throughout Benin and solar energy production can reduce the enormous pressure on forest resources that are becoming increasingly scarce.

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