

Home Energy Storage in Cote d'Ivoire





Overview

Does Côte d'Ivoire export electricity?

Côte d'Ivoire is the third largest electricity market in West Africa and has historically been a net exporter of electricity with 11.8% of its total electricity generation sold to Mali, Burkina Faso, and Ghana in 2019 (ANARE-CI, 2020).

2.1.2. Future cost assumptions Fig. 2 presents the long-term cost assumption for our analysis.

How much energy does Côte d'Ivoire consume per capita?

In the same period, annual consumption per capita went from 174 KWh to 277 KWh (AIE, 2014; ANARE-CI, 2017). However, as of 2014, per capita consumption in Côte d'Ivoire is 43% lower than the average for sub-Saharan Africa and 91% lower than the world average.

Where does electricity come from in Côte d'Ivoire?

As natural gas is the main source of electricity production in Côte d'Ivoire to date, we pay particular attention to its modeling. Its supply comes either from national gas reserves, via the West Africa Sub-Regional Gas Pipeline (WAGP), or from international gas reserves in the form of liquefied natural gas (LNG).

Does Côte d'Ivoire have a commitment to green energy?

According to its National Determined Contribution (NDC) of 2015, the share of green energy in the electricity mix is expected to reach 42% and greenhouse gas (GHG) emissions from this sector are not expected to exceed 9.2 Gt of CO₂ eq in 2030. To date, Côte d'Ivoire has not made any other quantitative commitment beyond 2030.



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TENDER FOR PUMPED STORAGE POWER STATION IN COTE D IVOIRE

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Côte d'Ivoire

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