

Djibouti save energy systems

How many people in Djibouti have access to electricity?

In Djibouti, 42% of the population has access to electricity. The government's Vision 2035 establishes goals to promote renewable energy source use for electricity generation and to pursue fuel-switching measures from fossil to renewables.

How can Djibouti achieve its energy goals?

Djibouti's substantial potential for geothermal electricity generation, along with its rising capacity to produce energy from wind and solar power plants, should help the country reach its goals in coming years. In addition to the growing need for generation capacity, the expansion of renewable energy is key for Djibouti to diversify its economy.

How does electricity supply work in Djibouti?

Electricity supply services are provided through the vertically integrated utility Electricit  de Djibouti (EDD). A small amount of additional energy is generated by a solar plant (300 kW capacity). Djibouti has wind and geothermal generation potential and is actively studying these options. [citation needed]

Will Djibouti become the first African country to meet 100% electricity demand?

The authorities have announced plans to transform Djibouti into the first African country to fulfil 100% of its electricity demand from clean energy sources by the close of the plan in 2035. The Ministry of Energy and Natural Resources formulates policies for the sector and regulates the electricity market.

Will Djibouti be self-sufficient in energy production in 2035?

In December 2023, the Republic of Djibouti signed up to the African Green Hydrogen Alliance. The country's formidable prospects in terms of renewable energy means that Slim Feriani can look to the future with confidence. "The objective for 2035 is to be self-sufficient in energy production," he says. "We should get there before then.

How much electricity does Djibouti produce in 2021?

Djibouti produced 654,062 MWh of electricity in 2021, according to figures from the Central Bank of Djibouti, representing a 4.3% increase relative to 2020. Improving domestic energy production will require the government to direct private investment towards electricity generation.

Djibouti's Vision 2035 aims to achieve universal electricity access and power the nation with 100% renewable energy. Already, it sources approximately 65% of its electricity from Ethiopia (mainly hydroelectricity; renewable) via an intertie, reducing its reliance on imported fossil fuels.

3 ???#0183; To address the persistent energy access gap in Djibouti's rural areas, Electricit  de Djibouti (EDD) should prioritize the strategic deployment of renewable energy-powered mini ...

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Enhance Energy Autonomy: The activity will contribute to Djibouti's larger goal of producing 100 percent of its own energy through renewable sources by 2035. The waste-to-energy plant will ...

In September 2023, Djibouti inaugurated its first wind farm in the north of the country. Add solar farms, geothermal power and biomass plants, and Djibouti hopes to become the first country on the continent to supply its population with 100% renewable energy.

renewable energy in different countries and areas. The IRENA statistics team would welcome comments and feedback on its structure and content, which can be sent to

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Djibouti's energy and digital sectors are essential for its economic diversification. The Second Djibouti-Ethiopia Power System Interconnection Project is helping Djibouti increase its reliance on renewable energy.

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The project focuses on diversifying energy production in Djibouti's ports, improving energy efficiency, and introducing quayside connection systems for ships. These initiatives aim to ...

Due to geographic proximity, and Ethiopia"s significant natural resources, Djibouti is likely to continue to rely on its neighbour to develop its energy sector, meet its immediate electricity needs, and expand its regional position as an energy trading platform in the short and medium term.

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