



# Progressive energy Djibouti

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.

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.

What is Djibouti's electricity demand?

Based on 2020 data, Djibouti's national electrification rate reached 42%, (1% in rural areas, 54% in urban areas).

Djibouti has vast untapped renewable energy sources, namely geothermal, solar, and wind. The peak annual demand in 2014 was about 90 MW but is expected that it will grow to about 300 MW by around 2020.

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 the first country to produce 100% green energy?

In its bid to become the first country on the continent to produce 100% green energy by 2035, Djibouti can also draw on other ambitious projects. These include the solar power project in the Grand Bara desert, for which work began in 2020.

Why did Djibouti open up electricity production to independent operators?

For the government, the aim was to open up electricity production to independent operators so as to achieve energy independence as soon as possible. It should be noted that the state-owned company *Electricité de Djibouti* retains a monopoly on the transmission and distribution of electricity. The project was developed by Red Sea Power (RSP).

According to USAID's Energy sector overview for Djibouti, Djibouti has the potential to generate more than 300MW of electrical power from renewable energy sources, and much more from other resources. Based on 2020 data, Djibouti's national electrification rate reached 42%, (1% in rural areas, 54% in urban areas).

How Djibouti will produce 100% green energy by 2035. In September 2023, Djibouti inaugurated its first



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While meeting increasing energy needs will remain a key challenge, several factors are likely to prompt a significant redefining of Djibouti's energy sector in the long term. With considerable renewable energy resources for the size of its economy, there is real potential for Djibouti to reach its goal of self-sufficiency, reducing energy ...

The government of Djibouti has signed a memorandum of understanding with developer CWP Global to move forward with a 10GW renewable energy and green hydrogen project in the small North African state.

Progressive Energy is primarily a project development and implementation company, and has extensive experience of overcoming the technical and commercial challenges associated with bringing new technologies to market.

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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

Most demand is from the city of Djibouti and it has been growing at a high of 5 per cent a year. The electricity sector in Djibouti has not seen much progress for several decades and the electrification rate is just over 50 per cent (World Bank, 2016).

Better electricity is vital for sustained progress in Djibouti. Additionally, Vision 2035 offers a framework of sustainable development that maintains the integrity of Djibouti's natural ecosystems. By harnessing energy from renewable sources, Djibouti can reduce poverty without depleting its forests or relying on imported coal or oil.

How Djibouti will produce 100% green energy by 2035. 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.



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