

How much electric power can Ethiopia generate?

Ethiopia has the potential to generate over 60,000 megawatts (MW) of electric power from hydroelectric, wind, solar, and geothermal sources. In addition, in 2022 the GOE certified the presence of seven trillion cubic feet of natural gas reserves in the Ogaden Basin.

Why is energy important for Ethiopia?

Energy is one of the most significant sectors for Ethiopia's economic growth and development and is expected to increase significantly in the medium run. Ethiopia has abundant renewable energy resources and the potential to generate over 60,000 megawatts (MW) of electric power from hydroelectric, wind, solar, and geothermal sources.

Does Ethiopia have a power shortage?

Ethiopia has the third largest energy access deficit in Sub-Saharan Africa with about half the population still without access to reliable electricity. Over the past decade, the Government of Ethiopia has made encouraging progress on its electrification program and expanded the grid network coverage to nearly 60% of towns and villages.

What is energy sector support in Ethiopia?

The focus of energy sector support in Ethiopia is aligned with Power Africa 2.0 objectives, which include advancing sustainable development through private sector led partnerships, promoting economic prosperity, and an increased focus on the enabling environment, transmission, and distribution. Technical assistance provided includes:

How much natural gas does Ethiopia have in 2022?

In 2022, Ethiopia certified the presence of seven trillion cubic feet of natural gas reserves in the Ogaden Basin. Ethiopia's current 5,200 MW of installed generation capacity reaches less than 60% of the country's population.

Can Ethiopia continue to ramp up electricity access through grid connections?

For Ethiopia to continue to ramp up electricity access through grid connections, it is essential that the electric utilities and backbone infrastructure are fit for purpose.

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Now the largest private producer of renewable energy on the continent, Infinity Power is busy expanding its wind, solar and green hydrogen projects. Its CEO, Egyptian billionaire Mohamed Ismail Mansour, talks to The Africa Report about his strategy and ambitions.

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July 16, 2022: Infinity, a leading renewable energy company, and AFC, Africa's leading infrastructure solutions provider, are to acquire Lekela Power, in a deal that will make Infinity the largest renewable energy company on the continent.

Infinity Power is Africa's largest pure play renewable energy provider focusing on utility-scale solar and on-shore wind technologies. We are a joint venture between Egypt's Infinity and Masdar (Abu Dhabi Future Energy Company), bringing together both founding companies' strong track record of developing and operating renewable energy ...

We continue to drive efforts that reduce carbon emissions, increase renewable energy sources, and develop efficient energy solutions for the entire region, in order to achieve our vision of providing clean, reliable and affordable electricity access to people in underserved communities across Africa."

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Infinity Power has completed the acquisition of the entire shareholding of Lekela Power, adding the group's 1GW of African wind energy projects. The assets are located across South Africa, Egypt and Senegal. In addition, Lekela has a 1.8 GW project pipeline in various stages of development.

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