

# Namibia modern energy pro

Do Namibians still have access to modern energy?

A 2019 report identifies that by 2030 still 36% of Namibians will still not have access to modern energy under the Business-as-Usual (BaU) (= &quot;New Policies&quot; Scenario of the International Energy Agency's World Energy Outlook 2018), while 32% will have access to the grid, 11% to a mini-grid and 22% to a SHS.

How does the government support Namibia's modern energy access goals?

Government supports Namibia's modern energy access goals through the increased use of economically viable and locally available Renewable Energy resources along with the expansion of the mini-grid roll-out that aligns with the SADC's mini-grid framework and Action Plan for Namibia.

Where does Namibia's electricity come from?

28% of Namibia's generated electricity come from fossil fuels, while 64% are from hydropower, and about 8% come from renewables. Non-electricity off-grid renewable energy projects include the small/micro wind energy installations used for water pumping, which are very common in Namibia, especially on farms.

How can Namibia be energy-secure?

The gap is made up by electricity imports. In order to be energy-secure, Namibia needs to be energy-independent, given the risks in power supply within the SADC region. This requires Namibia's bolstering its own energy generation capacity with the available domestic resources.

Can Namibia provide electricity access to the rural and sparse population?

According to the REN21-SADC Renewable Energy and Energy Efficiency Status Report (2018), the challenge in Namibia is to provide electricity access to the 79% of the rural and sparse population that does not have access by establishing feasible and maintainable off-grid solutions.

What is Namibia's energy sector goal?

The Government's energy sector goal, according to Namibia's 5th National Development Plan, is to have a sustainable mix of locally generated capacity of 755 MW by 2022 to support households and industry needs, reduce reliance on imports, and increase the national electricity access rate from 49% in 2018 to 67.5% by 2023.

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The overarching mission of Namibia's National Renewable Energy Policy is to enable access to modern, clean, environmentally sustainable, and affordable energy services for all Namibians. This Policy aims to make Renewable

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The report explores Namibia's opportunities for renewable energy and how it can support the country's development vision. The continued roll-out of solar, wind, and green hydrogen energy initiatives would not only lower energy costs in the country - which are currently the highest electricity costs in Southern Africa - but it would also ...

The Ministry of Mines and Energy says it is looking to leverage artificial intelligence (AI) and smart technologies to accelerate the country's electrification efforts. The strategic move comes in response to Namibia's vast geography and low population density, which pose challenges to achieving universal electricity access by 2040 as outlined ...

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