

What is the energy source in Cuba?

[españo]o [português]Oil and natural gas provide roughly 80% of Cuba's total energy supply, with biofuels and waste accounting for most of the remaining 20%. In 2020, 95.1% of electricity generated in Cuba came from non renewable resources and the remaining 4.9% from renewable sources (3% biomass, 0.8% solar, 0.6% hydro, and 0.5% wind).

What are Cuba's energy goals?

The Cuban government intends to reduce its reliance on crude oil by more than 10% and to increase the share of renewable energies for power generation, although the energy mix will still be quite reliant on fossil fuels. See Table 2 for a breakdown of the 2030 goals and a comparison to the 2014 data.

How does the Solar Revolution work in Cuba?

These PV farms operate under a DG scheme avoiding the emissions of thousands of tons of CO₂ per year. The Cuban 'Solar Revolution' foresees the integration of renewable energy technologies and the passive use of solar energy to buildings, as well as new investments.

How much electricity will Cuba generate in 2030?

In accordance with the 2030 projections given by the Ministry of Energy and Mines, in 2030 electricity generation in Cuba will be around 30,000 GWh per year. This represents a 57% growth in electricity generation. Substantial advancement is necessary if 24% of that (7,200 GWh) is to be generated by renewable sources.

What was the energy mix in Cuba in the 1990s?

In the 1990s, Cuba's energy mix was still dominated by fossil fuels, but at the beginning of that decade, almost 11% of the electricity was generated from renewable energy carriers, basically sugar cane waste. Electricity generation was severely affected by the drop of oil imports and loss of access to spare parts for the power plants.

Why is the energy sector at a crossroads in Cuba?

Cuba's energy sector is at a crossroads. The country's mostly fossil fuel-fired energy system faces a number of longstanding and serious challenges, including breakdowns at aging power plants, decreasing fuel imports and fuel shortages, and the growing threat of climate change-related disruptions.

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Cuba has been remarkably successful at revitalising its energy sector over the last two decades, significantly increasing efficiency and reducing energy intensity and emissions. This article ...

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