

# Off the grid storage Cuba

What happened to Cuba's electricity grid?

(Reuters) - Cuba's national grid collapsed on last Friday, leaving the entire population of 10 million people without electricity and underscoring the precarious state of the Communist-run country's infrastructure and economy. Restoration of service is under way but long-term challenges will remain.

Does the US have a role in Cuba's grid collapse?

The United States denies any role in the recent grid collapse. U.S. sanctions, however, do complicate financing of fuel purchases and spare parts for Cuba. They also scare off many oil tankers, forcing Cuba and Venezuela to depend on their own obsolete fleet for transportation. But Cuba's government has also acknowledged its own shortfalls.

Why did the grid collapse?

Cuba's electrical grid and oil-fired power plants are obsolete and crumbling, constructed decades ago and scarcely maintained. And because Cuba produces very little fossil fuel of its own - with limited refining capacity - it depends almost entirely on imports to assure adequate generation.

What happened to Cuba's power plant?

The situation came to a head on Friday, when Cuba's largest power plant malfunctioned, joining several smaller plants already offline. Foul weather had also stalled the arrival of fuel from tanker ships offshore, starving the island's power plants. The combination prompted the entire grid to collapse.

How will Cuba's relationship with other countries impact the energy transition?

Cuba's relationships with other countries will be key to realizing the energy transition. Since 2000, Venezuela has been Cuba's primary source of imported oil. However, political and economic troubles in Venezuela caused oil exports to Cuba to fall by about half, resulting in Cuba increasingly seeking oil imports from Mexico and Russia.

Does Cuba rely on fossil fuels?

Cuba's power system is currently heavily reliant on fossil fuels. In 2022, fossil fuels accounted for about 95% of electricity generation, and about 48% of the fossil fuels used were imported, putting the country at high risk of price shocks and supply shortages.

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In recent development, Deltro has started working towards providing a total of 300MW of Energy Storage in Cuba. The first installment of the 300 Megawatts will be a total of 50MW divided evenly between the provinces ...

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