

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.

Does EDF work with Cuba?

EDF has been working with Cuban, U.S. and international partners for more than 20 years to strengthen and expand scientific exchange and environmental cooperation. The report builds on EDF's strong history of working with Cuba on environmental issues, and EDF's commitment to creating transformational solutions to environmental problems.

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The Cuban Electricity Union (UNE) specified that an average household on the island needs around 185 kWh per month. To cover these needs, 5 solar panels of 260 watts are necessary. The importation of tax-free ...

Unlike other countries where people make a living from selling clean energy, in Cuba those who install solar panels essentially seek energy self-sufficiency, that is, to have electric power even during blackouts.

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Solar energy potential. According to many studies, Cuba receives an average solar irradiance of over 5 kW per m² per day, which is considered high and presents great potential on this archipelago with over 110,800 km² and an annual average of 330 sunny days.

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Cuban Minister of Energy Vicente de la O Levy said in a recent press conference that the government plans to install 92 solar projects to add an installed capacity of 2 GW by 2028.

But over the past 10 years, Cuba's policymakers have identified some potential pathways towards a clean and resilient energy system. For example, Cuba committed to ...

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