

What is the energy source in Cuba?

[español]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 technologies are used in Cuba?

In fact, almost all of the technologies used in Cuba are very old, especially those using fossil fuels to produce controllable energy, e.g., old thermoelectric power plants. These technologies have already been used well beyond their useful life time.

Why is the energy transition difficult in Cuba?

Because of its geopolitical situation, Cuba has more difficulty than other countries in accessing international markets, which could make the implementation of the energy transition in this country difficult. Nevertheless, the Cuban authorities can be advised to invest progressively in solar and wind energy.

What are the major energy companies in Cuba?

UNE (Unión Eléctrica) is responsible for the generation, transmission, distribution, and commercialization of electrical energy. CUPET (Unión Cuba-Petróleo) is the state-owned oil firm and Cuba's largest oil company. Other companies operating in Cuba's energy sector include Energas, Inter RAO, Zerus, Havana Energy, and Siemens.

What are alternative scenarios for electricity supply in Cuba?

The first set of alternative scenarios is designed to exploit more intensively the resources available in Cuba to supply the 28 TWh/yr of electricity demand anticipated in 2030 by the Cuban authorities. 3.1. Potential resources 3.1.1. Fossil fuels

What is energy consumption in Cuba?

2.1.1. Energy demand Energy consumption is the consequence of human activities which are connected with all the aspects of daily life through the vast use of energy, from households to industries. In Cuba, industrial processes encompass major consumers (41%), followed by the residential sector (37%) and then transport (11%) (Table 1).



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