

How much electricity does Curaçao produce?

Unlike most countries in the world, Curaçao generates about 34 percent of the current electricity production through wind and solar energy. In the Netherlands, that is merely 6 percent. Engineer Richenel Bulbaai from Curaçao defended his dissertation on this subject on 11 October 2019 at the University of Twente.

How can Curaçao become sustainable in 2033?

To make Curaçao fully sustainable in 2033, the production of solar and wind energy is of great importance, as is proper energy storage. Wind turbines and solar panels play an important role in this. If traditional power generators are still necessary, then the use of biogas is a more sustainable choice.

Does Curaçao use wind and solar energy?

Since the 1980s, Curaçao has been gaining experience in applying wind and solar energy. Curaçao also distinguishes itself from the world with regard to the application of wind and solar energy. In addition, the focus is also on the use of biogas, energy storage and energy savings. Bulbaai conducted an extensive research in Curaçao.

Does Curaçao have energy-efficient air conditioning?

Bulbaai conducted an extensive research in Curaçao. He analyzed the energy use of almost 400 households, more than 300 offices, 22 hotels, and 9 supermarkets. Many offices were already taking energy-efficient measures, mostly to save on costs. But of the 22 hotels, only sixty percent had energy-efficient air conditioning.

The Government of Curaçao has asked Fugro to map the seabed of the island's surrounding waters for future development of floating offshore wind farms. The Curaçao Government's target is to realise 6GW in renewable energy capacity by 2035, which is more than the domestic need for energy, ultimately enabling the production and export of ...

The Heads of Agreement is the result of an extensive period of time during which Aqualectra researched the opportunity to fuel the production of energy in Curaçao through gas. During 2021 Aqualectra received non-binding proposals from different LNG suppliers.

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His findings indicate that Curaçao can live entirely from renewable energy in 2033. Moreover, the annual CO<sub>2</sub> emissions can be reduced by about 92 percent. Curaçao distinguishes itself from the Small Island Developing States (SIDS) with regard to the use of renewable energy sources.

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