

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.

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.

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 is committed to promoting a low-carbon economy with a new National Energy Policy that states Curaçao will increase its renewable energy penetration to 50% by 2030, reduce energy consumption by 25 percent by 2040, and realize transparent and effective institutions and regulations for the sector by 2030.

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De Ministerraad van Curaçao heeft bevestigd dat het ontwikkelen van een Energiekaart een cruciaal onderdeel vormt van de bredere inspanningen om het eiland tegen 2045 volledig op duurzame energie te laten draaien.

Curaçao has a real solar market driven by savings more than environment but requires financing to make in omnipotent. The Curaçao Water and Electricity company, Aquaelecta, considers themselves a "pioneer in renewables for the Caribbean" with wind and solar projects dating back 20+ years.

Discover how the Dutch government plans to invest EUR150 million in the green energy transition for Curaçao, Aruba, and Sint Maarten. Learn about key projects, community impact, and the exciting future of renewable energy in these Caribbean islands.

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.

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There, the government of Curaçao recently signed an agreement with Blue Planet Alliance to achieve a completely fossil-free and climate-neutral energy supply by 2045. This is an important next step in the development of an energy transition roadmap towards an island running 100% on renewable energy by 2045.

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