

# Bonaire Sint Eustatius and Saba beigood wind turbine

Are Bonaire and Sint-Eustatius honoured?

Late last week, the good news was received that the project proposals of Bonaire, Sint-Eustatius and Saba were honoured. They are the only islands in the Caribbean whose proposals made it through the selection.

Is Bonaire a sustainable island?

The Caribbean island of Bonaire has been on a pretty interesting path energy-wise since 2004, when the island's sole power plant burned to the ground. Given an opportunity to rebuild literally from the ground up, the government decided to create a plan that would lead them to 100 percent sustainable energy generation by the end...

What happened to Bonaire's power plant?

Sunlight highlights mounds of salt on Bonaire. The Caribbean island of Bonaire has been on a pretty interesting path energy-wise since 2004, when the island's sole power plant burned to the ground.

How much does energy cost in Bonaire?

This profile provides a snapshot of the energy landscape of Bonaire, a special municipality of the Kingdom of the Netherlands located on the coast of Venezuela. Bonaire's utility rates are approximately \$0.35 per kilowatt-hour (kWh), above the Caribbean regional average of \$0.33/kWh.

Does Bonaire have a utility company?

The utility company for Bonaire is Water-En Energiebedrijf Bonaire N.V. (WEB), which supplies both water and electricity to the island. WEB is a government-owned entity and is strictly a distribution utility, owning no generation of its own.

Does Bonaire have a regulated electricity sector?

In recent years, the Ministry of Economic Affairs in the Netherlands has been active in reforming the regulation of the electricity sector in Bonaire, both in terms of utility regulation and expanding generator access.<sup>13</sup>

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The result is a transformed electricity system on Bonaire. The island is now home to 12 wind turbines with a total of 11 MW of wind power capacity, which contribute up to 90 percent of the...

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Onshore wind: Potential wind power density (W/m<sup>2</sup>) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area in each of these classes compared to the global distribution of wind resources. Areas in the third class or above are considered to be a good wind resource.

Bonaire wind farm (Parque Eólico Bonaire) is an operating wind farm in Oranjestad, Bonaire, Sint Eustatius, and Saba. Project Details Table 1: Phase-level project details for Bonaire wind farm

2004, Bonaire developed a plan to serve the island with 100% renewable energy from a single hybrid generating system. The first component of the hybrid system is an 11-MW wind farm, which consists of 12 Enercon E-44 turbines with a capacity of 900 kW each.<sup>14</sup> This model of turbine was chosen because

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Once this biofuel is put into use, the wind turbines will be providing approximately 40 percent of the island's total energy needs (the island consumes 75,000 megawatt hours of electricity in a...

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Find wind turbine locations in Bonaire, Sint Eustatius and Saba through our Bonaire, Sint Eustatius and Saba wind farm map. Analyze the main characteristics of wind farms in this country, sort these by capacity, number of turbines and landscape area.



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