

Where does Aruba get its electricity from?

Aruba currently gets 15.4% of its electricity from renewable sources. The island has sufficient renewable energy resource potential, with excellent technical potential for ocean, wind, and solar renewable energy generation.

How much energy does Aruba consume annually?

Aruba has an annual consumption of 990 gigawatt-hours (GWh). Currently, about 13% of its generation comes from a 30-MW wind project and 0.9% comes from waste-to-energy (WTE) biogas. An additional renewable capacity of 34 MW is planned or in progress. Aruba's installed generation capacity is 230 megawatts (MW) with an average load of 100 MW.

How many MW will Aruba's biogas plant use?

Aruba's biogas plant is hoping to add 3 MW to 6 MW of capacity with a goal of using 70% of household waste. Production data for a 3.5-MW airport solar project are not yet available, and an additional 6 MW of solar capacity is planned for the residential and commercial sectors.

Does Aruba have a goal of sustainability?

If demand for cheap and unsustainable accommodations and ATV tours continues to increase, it may keep Aruba's goal of sustainability out of reach. Sure, new laws limiting development and protecting the environment could help. But ultimately, it's not just the Aruban travel industry that has to want sustainability.

Is Aruba a sustainable island?

Aruba's tourism industry is leading the island's sustainability efforts with initiatives that range from aggressive conservation to renewable energy.

Can Aruba become the most sustainable destination in the Caribbean?

But if you put it all together, a picture emerges of Aruba aspiring to become the most sustainable destination in the Caribbean. And only one thing can stop it from meeting that goal. This is part three in a series about sustainable tourism in Central America and the Caribbean.

Aruba is blessed with an abundance of sunshine, and the island is taking advantage of this natural resource by investing in solar power. The government has committed to increasing the renewable energy share of electricity generation to 10 percent by 2020, and they are already well on their way towards achieving this goal.

Solar 17.6% Wind 0.2% Energy Storage Aruba U.S. Department of Energy Energy Snapshot Population Size 105,845 Total Area Size 180 Sq. Kilometers Total GDP \$2.7 Billion Gross National Income (GNI) Per Capita \$23,630 Share of GDP Spent on Imports 75.2% Fuel Imports 15% Urban Population Percentage 43.4%

Population and Economy Installed Capacity 287 ...

This project brings WEB Aruba closer to their goal of completing all solar energy projects that are part of the Aruba Renewable Energy Strategy (ARES) and portfolio. Francis Ras, Division Manager Technical Affairs of WEB Aruba explained that WEB Aruba's mission is to reach an average of 5% solar energy penetration.

The island of Aruba is preparing for what will be one of the largest solar parks constructed to date in the Caribbean, according to the C.E.O - C.O.O of WEB Aruba N.V., Mr. Luis Oduber. WEB Aruba N.V. and Spanish company, ISOTRON have partnered up to make this project a reality and officially marked the beginning of the solar park during the ...

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