

Does Curacao have a net metering program?

In 2011, Curacao launched a net metering program for distributed wind and solar generation systems.<sup>11</sup> Residential systems smaller than 10 kilowatts (kW) and commercial systems smaller than 100 kW were eligible to participate. At the same time, large commercial customers could apply for a feed-in tariff for systems up to 1 MW in size.

What is Curacao's energy policy?

In 2009, Curacao developed an energy policy document, which sets out general guidance and governing principles for further study of energy issues.<sup>4</sup> It suggests the goal of reducing energy consumption by 40% by 2020 and encourages the investigation of combining wind power with storage to provide 100% of the island's energy needs.

Why does Curacao use wind energy?

Curacao's long history with wind energy has provided it with valuable experience in integrating variable energy resources into the electrical system while also demonstrating the value of avoiding petroleum-based electricity generation.

Does Curacao need electricity?

Like many island nations, Curacao is highly dependent on imported fossil fuels (more than 95% of the island's electricity is generated using petroleum-based fuels), leaving it vulnerable to global oil price fluctuations that directly impact the cost of electricity.

Why does Curacao face energy security issues?

Curacao faces energy security issues not only due to its reliance on imported fuels but also because of the age of its generation infrastructure. Thirty megawatts (MW) of Aqualetra's generation portfolio is beyond its expected service life and the surplus power from the RdK refinery is subject to frequent outages.

Does Curacao export oil?

\*Most of Curacao's oil imports are feedstocks for the island's large, export-focused refining operation. The net export value of petroleum products totaled 14.0% of GDP in 2012. The electric utility for Curacao is the Curacao Water and Power Company, more commonly referred to as Aqualetra.

DERs are vital in enabling the integration of clean energy sources into the electrical grid, providing electricity consumers with economical and efficient energy resources, enabling grid-dependent consumers to become active prosumers, and resolving issues related to the distribution network, such as voltage fluctuations and network capacity [2]. The rapid proliferation of DERs has ...

MET Group has purchased a 100% shareholding in Comax France, an owner, operator and developer of

combined heat and power (CHP) and battery energy storage systems (BESS). The acquisition, MET Group's first investment in French energy infrastructure, expands its flexible assets portfolio in Western Europe and addresses the increasing need of ...

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Er wordt verwacht dat er in 2024 een definitieve overeenkomst met Curaçao zal worden bereikt. Maunsell heeft op zijn beurt een overeenkomst gesloten met het lokale bedrijf Alternative Energy Facility BV voor assistentie ...

Naast het Memorandum of Understanding (MoU) dat Oryx Petroleum Limited met Refineria di Korsou (RdK) heeft getekend, is er ook een MoU met Alternative Energy Facility (AEF). Het bedrijf staat onder leiding van ...

The Critical Materials Monitor aims to improve understanding of supply chains essential for the energy transition, the transition to more sustainable energy. It offers insights into the critical ...

Aqualectra bouwt in samenwerking met W&#228;rtsil&#228;; een nieuwe energiecentrale, die tegen eind 2025 operationeel moet zijn. Aruba.nu; <https://awor.nu> ... (BESS) en een geavanceerd Energy Management System. Dit alles moet de overgang naar duurzamere energiebronnen versnellen en bijdragen aan een stabielere en milieuvriendelijkere ...

A new update of the National Integrated Energy and Climate Plan, better known as PNIEC, has recently been approved. This update represents a new boost to the decarbonisation objectives already set out in the initial formulation of the Spanish climate plan, reflecting a significant increase in the country's ambition regarding the sustainable targets to be achieved by 2030, ...

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Willemstad, Curaçao, July 1 st, 2024 - Oryx Group, through its subsidiary Oryx Midstream, has reached an agreement with Refineria di K&#242;rsou (RdK) to lease and operate the terminal at ...

The economy of Curaçao is a high income economy, as defined by the World Bank. The island has a well-developed infrastructure with strong tourism and financial services sectors. Shipping, international trade, oil refining, and other activities related to the port of Willemstad (like the Free Trade Zone) also make a significant contribution to the economy.

We offer energy price tracking and forecasting tools to assist energy suppliers and regulators in setting up their pricing policies. Enrich and optimize the electricity pricing process. We support a significant electricity supplier with a solution to optimize the pricing of its electricity offering portfolio (mass market and business market).

Therefore, P2P multi-energy trading (P2P-MET) is alternatively better for fostering renewable energy (RE) adoption and increasing the efficiency of the energy system. The proposed review paper discusses the studies considering real-time load forecasting and design system configuration. The load forecasting aware of the load demand and system ...

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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