

How much does energy cost in Curacao?

**Energy Snapshot Curacao** This profile provides a snapshot of the energy landscape of Curacao, an autonomous member of the Kingdom of the Netherlands located off the coast of Venezuela. Curacao's utility rates are approximately \$0.26 per kilowatt-hour (kWh), below the Caribbean regional average of \$0.33/kWh.

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 Aqualectra's generation portfolio is beyond its expected service life and the surplus power from the RdK refinery is subject to frequent outages.

How many wind turbines are there in Curacao?

Curacao features two of the oldest but most productive wind energy installations in the Caribbean. The first installation, a 12-turbine, 3-MW facility, was placed in service at Tera Kora in 1993.<sup>15</sup> This was followed by an 18-turbine, 9-MW installation at Playa Kanoa in 2000.

This profile provides a snapshot of the energy landscape of Curacao, an autonomous member of the Kingdom of the Netherlands located off the coast of Venezuela. Curacao's residential utility rates are approximately \$0.35 per kilowatt-hour (kWh). Rates are calculated on usage.

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of ...

This National Energy Policy for Curaçao sets the objectives and priorities for developing Curaçao's energy sector into a sustainable energy system. This policy aims at making Curaçao's energy sector more efficient, more transparent for stakeholders and less dependent on petroleum fuel imports.????

The Regulatory Authority of Curaçao (RAC) has published the first "Curaçao Energy Report 2023". The report provides an overview of the scope and developments within the energy sector on Curaçao. More specifically, the report zooms in on the distribution of fuels for transport, domestic use and electricity generation as well as the ...

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