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Costa Rica power generation equipment container



Overview

What is Costa Rica's energy policy?

Costa Rica's energy policy aims to move from a fossil fuels based energy system towards renewable energy sources and to expand its power generation capacity, replacing old power generating stations and developing new projects.

How is electricity used in Costa Rica?

Electricity can be generated in two main ways: by harnessing the heat from burning fuels or nuclear reactions in the form of steam (thermal power) or by capturing the energy of natural forces such as the sun, wind or moving water.

Should Costa Rica expand its wind power capabilities?

To meet future electricity demands and continue its sustainable energy journey, Costa Rica could focus on expanding its wind power capabilities. The existing wind energy infrastructure already contributes a substantial portion of clean electricity, making it a viable candidate for scaling up.

What is Costa Rica's electricity mix?

Sweden Philippines Costa Rica's electricity mix includes 76% Hydropower, 11% Wind and 11% Geothermal. Low-carbon generation peaked in 2021.

Should Costa Rica invest in wind energy?

The existing wind energy infrastructure already contributes a substantial portion of clean electricity, making it a viable candidate for scaling up. By increasing investment in wind energy projects, Costa Rica can enhance its low-carbon electricity generation and maintain its commitment to sustainable development.

Is solar power a new energy source in Costa Rica?

Like wind power, solar power is another newer energy source in the country. The first solar power projects in the country were established in 1978 by just a few researchers from public universities at the Solar Power Laboratory at the National University. During 2012, Costa Rica inaugurated the Miravalles Solar Plant next to the Miravalles Volcano.

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