

The Dominican Republic is rapidly integrating renewable energy sources into its national grid. By 2025, they aim to achieve 25% renewable energy dependence. This ambitious goal has spurred significant growth, with renewable energy contributing nearly 19% of the country's total energy demand in 2023.

Dominican Republic has adopted a law on incentives for the development of renewable energy sources, which aims to increase the diversity of energy sources, reduce dependence on imported fossil fuels and stimulate investment in renewable energy.

The Dominican Republic has a total installed capacity of 3,635 MW with peak demand of 1,800 MW.<sup>8</sup> Renewable energy generation in the Dominican Republic makes up 14% of total electricity (nearly all of which is provided by hydro-electric facilities), while the remaining 85% of electricity is generated from imported fossil fuels.<sup>8</sup> Despite recent ...

The Dominican Republic passed legislation on renewable energy in 2007 as part of its endeavors to achieve these targets. The main objective of this law is to increase the contribution of renewable energy sources in electricity generation to 25% by 2025.

The Dominican Republic (DR), with a population of 11 million people and 98% electricity coverage, has an interconnected national grid that supplied 21,170 gigawatt hours (GWh) net of electrical energy in 2023. Moderate projections estimate that annual demand will increase to around 30,000 GWh by 2030.

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4 Renewable Energy Prospects: Dominican Republic share of renewables in the power generation mix to 25% by 2025. To achieve this target, a number of policy instruments have been introduced, including tax incentives and feed-in tariffs. A rural electrification programme also supports the deployment of renewable

Accelerated deployment of renewables in the Dominican Republic would cut energy costs for consumers, create new employment opportunities, stimulate economic activity and help meet international climate commitments, in line with the Paris agreement.



# **Dominican Republic renewable energy systems**

**distributed**

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