

Outdoor power station factory in Colombia





Overview

How much electricity does Colombia produce?

Colombia's installed electric power generation capacity currently stands at 17,771 MW, with hydro accounting for 68 percent, gas and coal-fired power plants accounting for 31 percent, and the remaining one percent from wind and solar units. The country's energy matrix is clean but highly dependent on climatic conditions to generate hydro power.

What is Colombia's energy transition process?

Colombia's energy transition process is underway. Former President Ivan Duque set a goal to increase non-conventional renewable energy installed capacity from one percent to more than 12 percent of the energy matrix by 2022.

Will Colombia build a hydrogen value chain?

With abundant natural gas reserves and the largest coal producer in Latin America, Colombia is focusing on blue hydrogen production as a base from which to start building the hydrogen value chain. In 2022, Colombia published its roadmap for offshore wind development, part of a broader plan to wean the country off hydropower and fossil fuels.

How much hydrogen will Colombia produce in 2021?

In 2021, Colombia's Ministry of Mines and Energy presented its Hydrogen Roadmap. Its stated goals were to reach between 1 and 3GW of electrolysis capacity in 2030 and produce 50 kilotonnes of blue hydrogen from new methane steam reforming plants and the capture and storage of carbon in existing facilities.



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Outdoor Substations up to 400 kV Manufacturers Colombia, Outdoor

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[List Of Power stations in Colombia](#)

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Colombia

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[Power Plants in Colombia \(Map\) , database.earth](#)

Power Plants in Colombia Colombia has 25 utility-scale power plants in operation, with a total capacity of 10924.0 MW.



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