

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.

Is Colombia a power exporter?

Colombia is a net power exporter. In 2005 the country exported 1.76 TWh of electricity to Ecuador (3.5% of total production). It imported only very small volumes of electricity from Venezuela and Ecuador (0.02 TWh each). According to the Ministry of Mines and Energy, exports are estimated to increase at 5 percent annually.

What energy projects are being implemented in Colombia?

The Inter-American Development Bank has currently one energy project under implementation in Colombia, the Porce III Hydroelectric Power Plant, owned by Empresas Públicas de Medellín and approved in October 2005. This is a US\$900 million project, of which the IDB is contributing US\$200 million.

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.

Does Colombia export electricity to Ecuador?

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Does Colombia use hydropower?

Colombia uses hydropower for most of its electricity needs. Despite being a major coal producer, Colombia uses very little coal domestically, instead exporting most of its coal production.

In Colombia, the current state of electricity consumption over the period from August 2024 to July 2025 reveals that the country relies significantly on low-carbon energy sources, with more than ...

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Colombia's US\$40 billion power supply puzzle is not just a technical or financial issue. It is a test of the



Colombia portable power supply production

country"s ability to reconcile its energy transition with economic realities.

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