



# Colombia broaden energy

What is Colombia's energy matrix?

This page is part of Global Energy Monitor's Latin America Energy Portal. As of 2020, the key components of Colombia's overall energy matrix were petroleum (38%), natural gas (25%), coal (13%), and hydro (12%).

What is the main source of electricity in Colombia?

Hydropower is the main electricity source in Colombia, accounting for 67.24% of installed capacity in 2020, followed by thermal power stations (31.46%). Other minor contributors include biomass (0.85%), solar (0.34%) and wind (0.1%).

How much electricity does Colombia produce?

Colombia produced just over 69 TWh of electricity in 2020, fueled almost entirely by hydro power (71.89%) and fossil fuels (26.77%).

Should Colombia export green energy?

Petro, once a guerrilla member who has often criticised the country's private sector, is committed to reaching net zero emissions by 2050 and has said Colombia should export green energy. In 2022, 66 per cent of the country's grid was generated by hydropower, 32 per cent by fossil fuels, and 2 per cent by wind and solar.

What is Colombia's energy policy?

Since August 2022, Colombia's energy policy under President Gustavo Petro has called for increased development of renewable energy sources and reduced economic dependence on fossil fuels. The MME (Ministerio de Minas y Energía), formed in 1974, oversees Colombia's mining industry, mineral industry, and electricity sector.

Is Colombia a good country for hydroelectric power?

With high rainfall rates and a topography favorable for hydroelectric power projects, Colombia has developed hydro as its primary source of electricity, comprising two-thirds of installed capacity and electrical generation in 2020.

Colombia will announce next week a US\$40 billion investment to finance its planned transition from fossil fuels to clean energy. Energy transition is one of the key priorities of Colombia's current government, which took office two years ago.

Colombia launched the Energy Plan 2050 in 2016, which aims to diversify the country's energy resources and ensure a reliable energy supply. The Plan also aims to include wind power plants, solar PV and geothermal energy generation in the country's elec

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phasing out the coal industry, the country is increasingly dependent on gas. Amid the intensifying energy crisis, Colombia is planning to expand its production capacities but must first primarily rely on gas imports.

In early October, the Colombian government announced a 40 billion USD energy transition plan aimed at decarbonizing its energy matrix. This plan includes significant ...

Colombia is transitioning towards green energy during a period of gas crisis. The country faces an imminent lack of gas and ongoing drought is reducing its ability to generate electricity. While the state-run energy company, Ecopetrol, plans to extract gas from the Colombian Caribbean in 2029, until then the country will have to increase its ...

Colombia's National Energy Plan (PEN) 2022-2052, launched in 2023 as an updated version of the original NEP 2020-2050, lays out a pathway for integrating wind, solar and geothermal energy into the country's electricity mix. In its revised nationally determined contribution (NDC), submitted at the 2021 United Nations Climate Change

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Recorded at CERAWEEK, they discuss the future of Colombia's oil and gas sector, particularly the role shale will play, its energy transition and added renewables to its electricity sector, and the ...

The Energy Mining Planning Unit (UPME) of Colombia has released its National Energy Plan through 2050, which aims at granting electricity access to all and at cutting CO 2 ...

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