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# **Bogota Power Wind and Solar Energy Storage**





## Overview

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How much energy does Colombia use?

In 2021, Colombia's total final energy consumption reached 1,319 petajoules (PJ). Fossil fuels accounted for 67% of this total, with oil being the primary energy source (49%), followed by natural gas (11%) and coal (7.1%).<sup>5</sup> Electricity, primarily sourced from hydropower, constituted the second-highest consumed energy source.

Could Panding grid availability help Colombia achieve its transition goals?

Panding grid availability could put Colombia on the fast track to achieving its transition goals. For instance, the La Guajira region, which holds the greatest potential for generating RE due to high levels of solar radiation and strong winds from the north.

What is Colombia's energy consumption in 2021?

graphical location and policy reforms that have created a strong legal framework for businesses.<sup>4</sup> In 2021, Colombia's total final energy consumption reached 1,319 petajoules (PJ). Fossil fuels accounted for 67% of this total, with oil being the primary energy source (49%), followed by natural gas (11%) and coal (7.1%).<sup>5</sup> Electricity, primarily

How much money does Colombia still need to invest?

le 3), it is estimated that Colombia will still need to unlock up to \$122 billion in investments. Following a thorough analysis of the country's context and needs for it to close the financing gaps, the working group identified key policy aspects and non-policy



## Bogota Power Wind and Solar Energy Storage



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Colombia Solar helps families turn sunlight into clean, affordable electricity, cutting energy bills by up to 80%. Credit: Colombia Solar / Ministry of Mines and Energy In Colombia, a growing movement is ...

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View of a hybrid power park with solar panels and wind turbines in Sabugal, Portugal, January 12, 2023. REUTERS/Pedro Nunes/File Photo  
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conditions to generate hydro power. Colombia's Mining and Energy Planning Unit (UPME) has conducted three renewable energy auctions and has awarded a total of nine wind and 16 solar ...

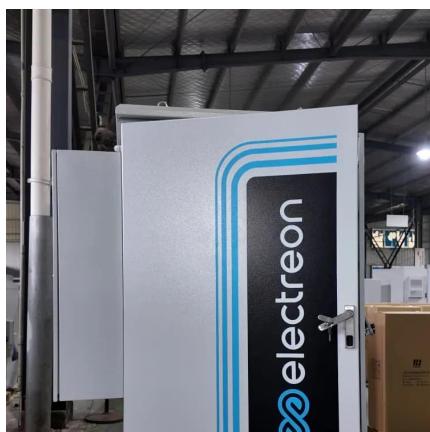
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As Colombia's capital aims to reduce carbon emissions by 50% by 2030, energy storage has become critical. The city's mountainous terrain ...

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Considering electrification as an alternative promotes the deployment of technologies that use renewable sources, such as wind energy in coastal and offshore areas. ...

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Why Colombia Can't Afford to Miss This Energy Storage Revolution You've probably heard about solar panels and wind turbines, but what happens when the sun isn't shining or the wind stops ...

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