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Wind power expansion of Colombian communication base stations



Overview

Are Colombia's wind energy plans stalling?

(AP Photo/Ivan Valencia, File) BOGOTA, Colombia (AP) — Colombia's ambitious plans for wind energy development, especially in the resource-rich La Guajira region, are facing serious setbacks as major companies pull out and projects stall, industry experts say.

How much wind energy will Colombia generate?

The region could generate approximately 15 gigawatts of wind energy, according to Colombia's Mining and Energy Planning Unit, which could power up to an estimated 37.5 million homes annually. It's part of Colombia's just energy transition, aiming to replace fossil fuels with renewables while supporting vulnerable groups like Indigenous peoples.

How can wind and solar energy be used in Colombia?

The expected large deployment of wind and solar resources in Colombia can be used to leverage creation of local employment, gender equality and benefits to local communities and Indigenous peoples. This will require strengthened policy frameworks to avoid negative effects on these areas.

Could Colombia be a wind power leader?

CABO DE LA VELA, Colombia (AP) — Giant wind turbines tower over a cemetery sacred to Zoila Velasquez and her Indigenous Wayuu community, native to the La Guajira region in northern Colombia. This arid, wind-swept region, dotted with cacti and roaming herds of goats, holds immense potential to position Colombia as a wind and solar energy leader.

Will solar and wind power increase in Colombia in 2022?

Colombia has world-class wind and solar energy potential and recent regulatory updates have enacted a robust framework of incentives. However, as of 2022, solar and wind have an operating installed capacity of just about

1.5% of the capacity mix. The next five years could see a sharp increase in solar and wind capacity.

Did Colombia start a wind farm without a regulatory framework?

Diego Patron, manager of the Jemeiwaa Ka'I wind project, a large-scale wind farm cluster in La Guajira, acknowledged the pioneering nature of Colombia's early wind efforts, which began in a regulatory vacuum without clear institutional frameworks.

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