

Argentina wind power generation system



Overview

Argentina has the world's third-largest wind reserve, which exceeds Spain's and Denmark's, and the planet's second-largest solar reserve. In a semester marked by historic achievements, wind farms positioned themselves as the main growth engine of the Argentine renewable energy sector, surpassing all other green technologies. Their performance not only consolidated leadership in sustainable production but also strengthened national. The electricity sector in Argentina constitutes the third largest power market in Latin America. GlobalData uses proprietary data and analytics to provide a complete picture of this market in its Argentina Wind power Analysis: Market Outlook. Over the last 12 months, from July 2024 to June 2025, Argentina's electricity consumption has shown a complex mix of energy sources. Fossil energy, primarily driven by gas, comprises a slight majority, with a bit more than half at approximately 53%. 45 quads in 2022, lower than the 3. The reduction in energy consumption was curbed by a 0.5% annual decline in the country's gross domestic product per capita, adjusted for inflation, between 2012 and 2022 (Figure 2).

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Country Reports

WWEA podcast: Wind Power in Argentina: Driven by Market Forces , with Alejandro Gesino and Stefan Gsänger (Country Report) <https://wwindea/WWEA-podcast20>

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Electricity sector in Argentina

Overview
Electricity supply and demand
Transmission and distribution
Access to electricity
Service quality
Responsibilities in the Electricity Sector
Renewable energy resources
History of the electricity sector

010,00020,00030,00040,00050,0001992
199720022007201220172022
ThermicHydro...
Thermal plants fueled by natural gas (CCGT) are the leading source of electricity generation in Argentina. Argentina generates electricity using thermal power plants based on fossil fuels (60%), hydroelectric plants (36%), and nuclear plants (3%), while wind and solar power accounted for less than 1%. Installed nominal capacity in 201...

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Electricity sector in Argentina



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Argentina: Wind electricity generation

Historically, the average for Argentina from 1980 to 2023 is 1.41 billion kilowatthours. The minimum value, 0 billion kilowatthours, was reached in 1980 while the maximum of 14.33 billion kilowatthours ...



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Wind power in Argentina

Installed capacity is forecast to increase from 2024 to 2035, at which point wind power is expected to account for 17% of total installed generation capacity. Onshore wind power capacity rose ...



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Argentina Electricity Generation Mix 2025 , Low-Carbon Power Data

To increase low-carbon electricity generation, Argentina should enhance its current wind energy capabilities, as wind

is already a substantial component of its clean energy portfolio.

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Wind Generation in the Argentine Power System

Argentina is being inserted in the market of wind energy, but the problem is the lack of standards that can regulate the insertion of wind energy into the SADI. This situation makes it difficult for the ...

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Country Analysis Brief: Argentina

Argentina had 62 wind farms with a capacity of 3,744 MW of electricity in 2023. The wind farms are distributed mostly in Chubut, Buenos Aires, Santa Cruz, La Rioja, Córdoba, Neuquén, and Río Negro.

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Record first semester: wind energy drives Argentina's renewable ...

The growth of national wind generation was mainly driven by the expansion of installed infrastructure. During this semester, significant parks were



inaugurated and expanded in Córdoba,
...

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Argentina's Wind Energy Sector

Argentina, the second largest country in South America, is making significant progress in harnessing the power of the winds. With its vast plains and coastal regions, the country is ideally ...

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