

INFOWIND BRAZIL

Update • 19 2021 - Feb, 11

Industry size in Brazil

18G\

of installed capacity

695 Wind Farms

8,300

Turbines in operation

States

How many energy do they generate?

of wind energy were generated in 2019

9.7%

of every generation injected into the National Interconnected System in the period.

5.5%

growth in relation to the year previous. It is worth mentioning that, in the same period, the generation of all sources in the National Interconnected System grew 1.5%

What represents this generation?

28.8 Million

of households per month can be supplied

86.3 Million

of benefited inhabitants



*Considering auctions already carried out and contracts signed in the free market





Generates income and improves life for landowners with lease for placement of towers



It is renewable, it does not pollute, it contributes for Brazil to fulfill its objectives



in the Climate Agreement Wind parks



Provides training and qualifications for local labor

Enables land-owners to

growing their animals

continue planting or

One of the best

cost-effective

energy tariffs

The installation of wind farms contributes to increase in the Gross Domestic Product (GDP) and the Municipal Human Development Index (MHDI), as identified by a study by GO Associados.

Through a comparison between a group of municipalities that have wind farms and another that does not, it was possible to conclude that in the municipalities where there are wind farms: to identify that in the municipalities that received their installation:



Wind energy occupies little land, allowing the continuation of the creation of animals or plantations. Considering the space chosen for a wind farm, the turbines occupy about 8% of the area, and can reach about 6%.

Capacity installed and Number of Wind Farms by State





Future data in the chart above comes from contracts already confirmed in auctions and transactions completed in the free market. New auctions will add further capacity in coming years.

Records by area

94.40%

of the energy consumed in Northeast subsystem came from wind farms, with a capacity factor of 71.14% and generation of 9,255.73 MWmed. (06/AUG/2020)



of the energy consumed in North subsystem came from wind farms, with a capacity factor of 95.73% and generation of 407.82 MWmed. (21/DEC/2019)



the energy consumed in South subsystem came from wind farms, with a capacity factor of 85.41% and generation of 1,705.09 MWmed. (25/MAY/2020)



of the energy consumed in National Interconnected System came from wind farms, with a capacity factor of 75.52% and generation of 10,677.60 MWmed. (06/09/2019)

International comparisons GWEC

Brazil is ranked 7th in the World Ranking of wind energy installed capacity In 2012, Brazil was ranked 15th



Did you know?

80% of Brazilian wind farms are in the Northeast, a region that has one of the best winds in the world for producing wind energy.

The favorable winds for producing wind energy are more constant, have a stable speed and do not change direction frequently.

Favorable winds in Brazil



is the Capacity Factor approx. global average.



was the average Capacity Factor in Brazil in 2019.



was the largest average monthly Capacity Factor that wind energy in Brazil achieved during the "Wind Harvest" period in 2019."



