



Industry size in Brazil

16.0GW

of installed capacity

637

Wind Farms

7,738

Turbines in operation

12

States

How many energy do they generate?

55.9TWh

of wind energy were generated in 2019

9.7%

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

15.5%

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?

28.8Million

of households per month can be supplied

86.3Million

of benefited inhabitants



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

Records by area

NE 88.88%

of the energy consumed in Northeast subsystem came from wind farms, with a capacity factor of **75.12%** and generation of **8,875.49 MWmed.** (06/SEP/2019)

S 15.70%

the energy consumed in South subsystem came from wind farms, with a capacity factor of **81.78%** and generation of **1,632.65 MWmed.** (15/APR/2020)

N 7.44%

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)

SIN 17.00%

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/SEP/2019)

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

34%

is the Capacity Factor approx. global average.

42.7%

was the average Capacity Factor in Brazil in 2019.

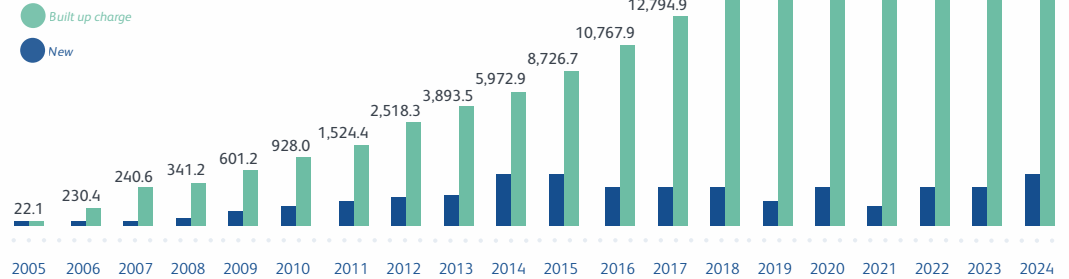
59%

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

Capacity installed and Number of Wind Farms by State

UF	Potência (MW)	Parques
RN	4,526.4	165
BA	4,175.2	167
CE	2,179.3	84
RS	1,835.9	80
PI	1,638.1	60
PE	798.4	34
MA	426.0	15
SC	238.5	14
PB	157.2	15
SE	34.5	1
RJ	28.1	1
PR	2.5	1
TT	16,040.0	637

Capacity installed Evolution in MW



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.

Contributions to wind energy in Brazil

US\$31.3 Billion
From 2011 to 2019 the investment in the sector was
2019 = US\$ 3.45 billion

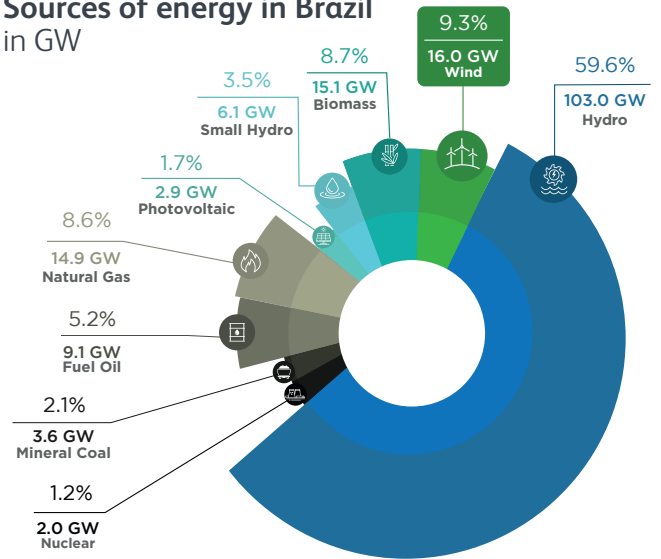
22.9 Million
tons of CO₂ avoided

For each **MW** installed
15 jobs are created.



equivalent to the emission of about 21.7 million cars.

Sources of energy in Brazil in GW



Benefits of Wind Energy for everybody and world

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

Wind parks **do not emit CO₂**

Provides training and qualifications for local labor

Enables land-owners to continue **planting their crops or growing their animals**

One of the best cost-effective energy tariffs and tax

It is renewable, it does not pollute, it contributes for Brazil to fulfill its objectives in the Climate Agreement

International comparisons GWEC

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

