



# Renewables in our municipality

**Cieza / Murcia**



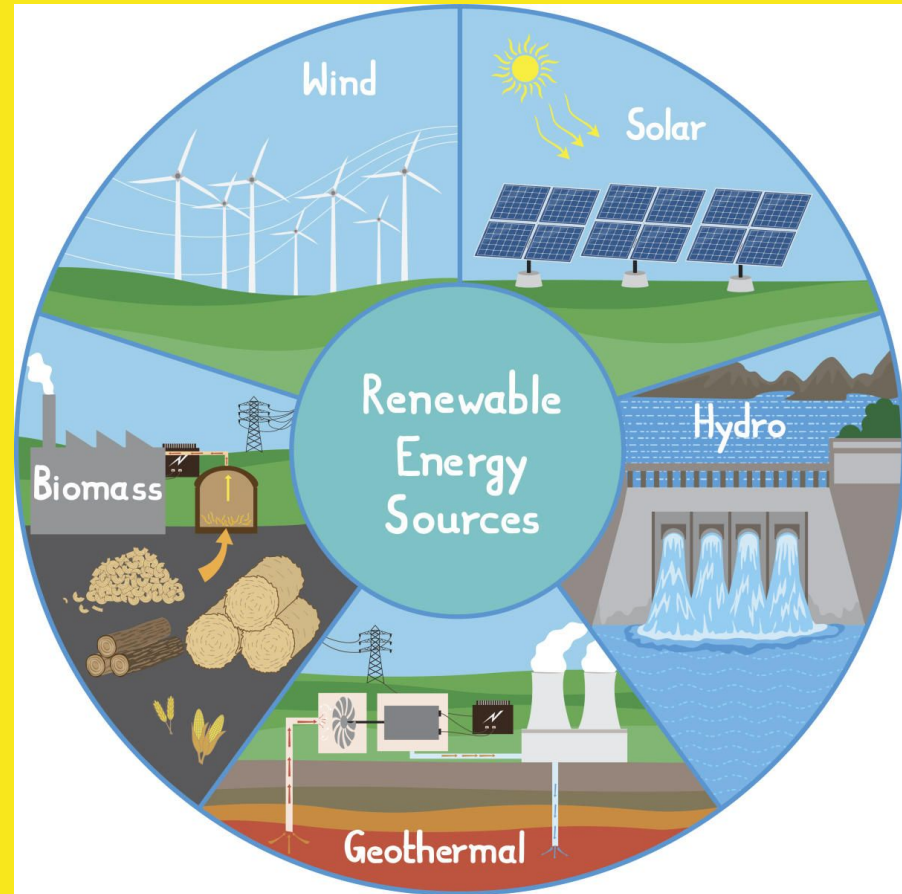


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# Renewable energy

Renewable energy sources are those energy sources based on the use of natural resources: the sun, wind, water or plant or animal biomass. They are characterized by not using fossil fuels, but natural resources capable of unlimited renewal.

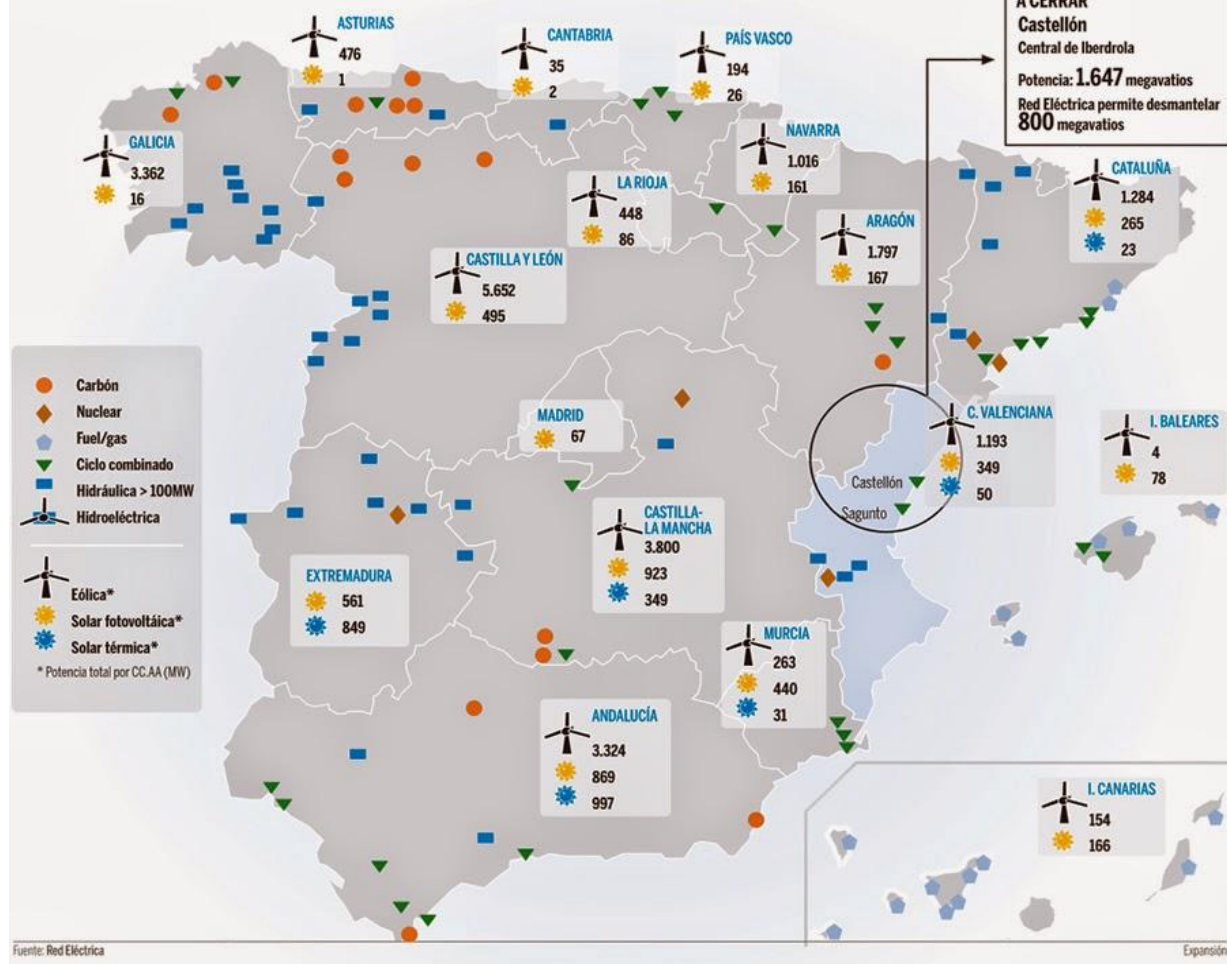
Windmills are one of the most widely used and most effective renewable energies.



# Main energy plants in Spain by regions.

Solar  
Geothermal  
Wind Power

## LAS PRINCIPALES CENTRALES ELÉCTRICAS DE ESPAÑA





# Renewables in Cieza



**In Cieza there are three main energy sources: hydraulic energy, solar energy and wind power.**



# Wind and Solar power

**In Spain:** The installed capacity of wind energy in Spain reaches 27,446 MW. In 2020, a total of 1,720 MW of wind power was installed. Spain has positioned itself in 2020 as one of the five leading European countries in installed wind power, along with Germany, the United Kingdom, France and Italy. Wind energy in Spain has contributed 21.9% of the electricity consumed in 2020, being the second technology in the mix.

**In Murcia:** Murcia is a very profitable autonomous community for photovoltaic solar energy and the installation of solar panels thanks to the amount of sun received. The Region has 5,110 photovoltaic installations, which represents 9.2%.

**In Cieza:** In Cieza, a lot of renewable energy is consumed, such as, without going any further, wind energy.

This is a very frequented type of energy but there are also other types of options such as solar energy, since new solar panels are being installed every time in all parts of this city, hydraulic energy, this is less frequented and we also have natural gas.



# Examples of Wind Power in Cieza

The Ascoy Mills:

They make noise but we can not feel it  
because they are far away





# Solar Power in Cieza

Cieza has a new solar plant, located in the facilities of the Community of Irrigators Pozos de Menorca and Ibiza de Cieza, which will serve to supply electricity to the entire pumping system for irrigation. In addition, it will allow savings on the bill of light by almost 32% and will prevent the emission of 325 tons of CO<sub>2</sub> per year, said the Minister of Agriculture, Antonio Luengo, during the inauguration. «The new solar plant of the Community of Irrigation Wells of Menorca and Ibiza has 2,000 modules photovoltaic of 410 Wp, which represents a total of 820 kWp of installed power. Everything this will allow an annual saving of 1,300,000 kWh"





# Examples of Solar Power facilities

**Solar farm: they don't make noise. It is the perfect source in Spain because of the weather.**

**Our region is the sunniest in Spain, with more than 300 sunny days per year.**



# Hydraulic energy

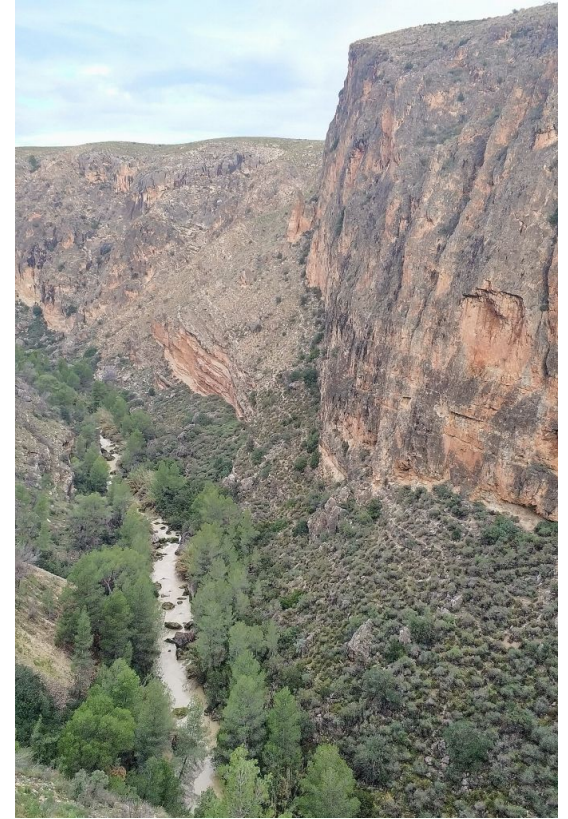
The Almadenes area is located between the municipalities of Calasparra and Cieza. The Segura River, crossing the foothills of the Sierra del Molino (825 meters) and the Palera (656 meters), takes advantage of numerous fracture lines, faults and carbonate rock dissolution processes, to create a formidable canyon about 4 kilometers long. Length and with walls almost more than 120 meters deep vertically, in some points.

The Region of Murcia has the combined cycle power plants of El Fangal, 1,200 MW, Cartagena - Gas Natural, 1,200 MW and Escombreras, 815 MW.



# Examples of hydraulic energy

Cañón de Almadenes:  
It doesn't make noise  
as the others because  
they are far away.





## ENERGÍA SOLAR



EL 64% DE LAS INSTALACIONES SON FOTOVOLTAICAS

Actualmente hay 643 instalaciones de Energías Renovables instaladas, de las cuales el 64% es de fotovoltaica

413 instalaciones

- ENERGÍA EÓLICA
- ENERGÍA SOLAR
- ENERGÍA HIDROELÉCTRICA

## ENERGÍA EÓLICA



Cuentan con 7.588 kW de potencia contratada

La provincia de Las Palmas es la que más energía eólica ha contratado

10.278 Kw de potencia instalada

## HIDROELÉCTRICA



1.150 kW de potencia contratada

Navarra es la comunidad con más potencia instalada de energía hidroeléctrica

1.395 kW de potencia instalada

- 643 instalaciones registradas
- 975 MW instalados
- Abril de 2016 fue el mes con más instalaciones registradas



## Renewables in Spain

