



# Madrid renewable energy growth





## Overview

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With strong policy support, academic leadership, growing investor interest, and a sharp rise in renewable and digital infrastructure projects, the Community of Madrid is positioning itself not only as a national leader, but as a regional force in the clean energy . With strong policy support, academic leadership, growing investor interest, and a sharp rise in renewable and digital infrastructure projects, the Community of Madrid is positioning itself not only as a national leader, but as a regional force in the clean energy . With strong policy support, academic leadership, growing investor interest, and a sharp rise in renewable and digital infrastructure projects, the Community of Madrid is positioning itself not only as a national leader, but as a regional force in the clean energy transition. The shift is no longer. 56. 8% of all electricity generated in Spain over the last year came from natural sources such as wind, sun, or water. The Spanish electricity system added 7. 3 GW of new photovoltaic and wind power capacity, the highest increase ever recorded in a single year. This makes photovoltaic energy the. With genuine ambitions regarding the energy mix, the region aims to significantly reduce its carbon footprint by decreasing greenhouse gas emissions and continuing to develop an ecosystem conducive to clean energies. Benefiting from abundant sunshine, favorable for photovoltaic solar energy. In the Renewable Energies industry the region has important offices and headquarters of leading companies that develop business, engineering and R&D on solar and wind projects, such as Acciona, Iberdrola, Repsol, Endesa, Enagas, Moeve, Naturgy, Siemens Gamesa, Sener, Empresarios Agrupados or. In 2025, renewable energy production will exceed 149 TWh, its historical maximum, which would represent 56% of the mix.



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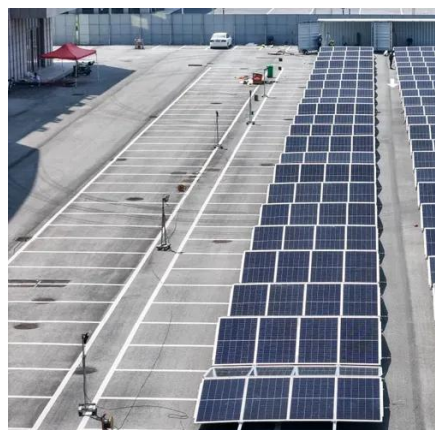


### [Total electricity generation , System reports](#)

Madrid is the autonomous community where renewable energy generation experienced the highest growth in 2024. Following a 24.6% increase compared to the previous year, it accounted for 46.3% of ...

### [Madrid's CleanTech & Green Innovation Surge: Leading the ...](#)

With strong policy support, academic leadership, growing investor interest, and a sharp rise in renewable and digital infrastructure projects, the Community of Madrid is positioning itself not ...



### [25 Top Renewable Energy Companies in Madrid · January 2026](#)

Detailed info and reviews on 25 top Renewable Energy companies and startups in Madrid in 2026. Get the latest updates on their products, jobs, funding, investors, founders and more.

### **OBS Report: The energy industry in Spain, towards sustainable**

The report proposes improving grid infrastructure to support the growth of renewables, addressing constraints associated with intermittency of sources, promoting green hydrogen and ...



## Electricity generation from renewable energies in Spain grows by ...

Electricity generation from renewable energies in Spain grows by 10.3% in 2024, reaching record levels 56.8% of all electricity generated in Spain over the last year came from natural sources such as wind, ...

## The Renewable Energy Sector in Madrid

With genuine ambitions regarding the energy mix, the region aims to significantly reduce its carbon footprint by decreasing greenhouse gas emissions and continuing to develop an ecosystem ...



## Spain , Reaping the Benefits of Renewable Energy in the Spanish ...

This study investigates how much the growing penetration of low-marginal-cost renewables contributes to lowering prices, and whether a 'merit-order effect' could limit the further ...





## Energy , madrimasd

The region is adopting ambitious policies for the energy transition, attracting national and international companies interested in participating in renewable energy, energy efficiency and technological ...



## Constraints to Energy Transition in Metropolitan Areas: Solar

This study aimed to approximate a large-scale photovoltaic energy development scenario in the Community of Madrid to highlight the energy, geographical, and material limitations inherent in ...

## Spain strengthens its renewable leadership: solar and wind drive the

In one year, Spain increased its renewable generation capacity by 19% in solar and 2.7% in wind, reaching a renewable share of 56% in the electricity mix. Regions such as Andalusia and ...





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