



From Waste to Warmth

**Fuel Poverty and Curtailed Wind Energy Across
Germany**





What is EnergyCloud?

EnergyCloud is a not-for-profit initiative with a simple mission: Use surplus renewable energy – clean electricity that would otherwise be wasted – to support households in fuel poverty.

EnergyCloud works with grid operators, energy providers, housing providers and social institutions to redirect this energy into homes, helping reduce bills, emissions, and reliance on fossil fuels.



2024 Surplus Renewable Electricity Curtailed

9,400 million
kWh



of zero-carbon renewable
Electricity curtailed across Germany



Estimated retail value
€3.76bn



Fuel Poverty Overview

According to the Federal Statistical Office (Destatis), in 2024 around 5.3 million people (6.3 %) reported being unable to adequately heat their homes for financial reasons.

This figure was provided by the Federal Statistical Office for 2024

Fuel Poverty in Numbers

Germany

5.3 Million 

Percentage

6.3%



This is based off 2024 data



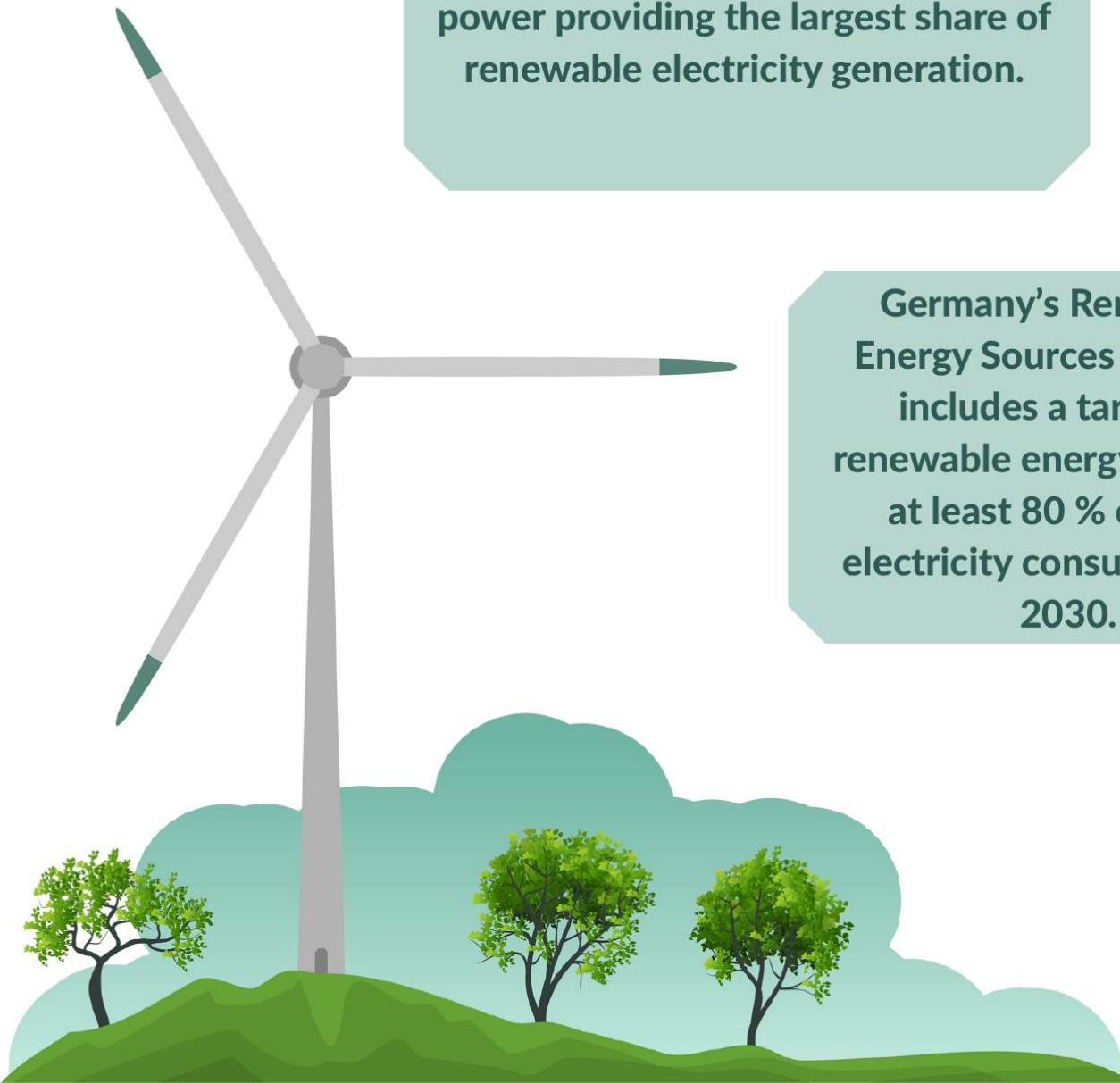


Wind Energy Overview



DID YOU KNOW?

In 2025, renewable energy sources supplied around 56 % of Germany's electricity consumption, with wind power providing the largest share of renewable electricity generation.

A large, stylized illustration of a wind turbine is positioned on the left side of the slide. The turbine has three blades, each with a green tip. It stands on a grey vertical tower. The background features green hills and several green trees. A large, light green hexagonal callout box is located on the right side of the slide, containing text about Germany's EEG target.

Germany's Renewable Energy Sources Act (EEG) includes a target for renewable energy to supply at least 80 % of gross electricity consumption by 2030.