



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 billion
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.

Fuel Poverty in Numbers

Germany

5.3 Million 

Percentage

6.3%



This is based off 2024 data





energycloud

GERMANY

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.

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

