



From Waste to Warmth

Fuel Poverty and Wasted Wind
Energy in Northern Ireland



2025 Report

www.energycloud.org/northern-ireland



EnergyCloud’s objective is to enable surplus renewable electricity – which would otherwise be wasted – to be redirected to support households experiencing fuel poverty. We believe this approach can deliver meaningful power system benefits while also providing direct social value.

To deliver this, EnergyCloud is working with a broad range of partners including SONI, NIE Networks, RenewableNI, National Energy Action, Action Renewables, the Northern Ireland Housing Executive, Radius Housing, NB Housing, Budget Energy, Click Energy, Share Energy and SSE Airtricity.



2025 Wind Energy Dispatched Down

662 million kWh*

of zero-carbon renewable electricity was
dispatched down across Northern Ireland

Estimated retail value **

£204 million

*System Operator for Northern Ireland (SONI)

** Consumer Council of Northern Ireland - Electricity and Gas Price Comparison Tables



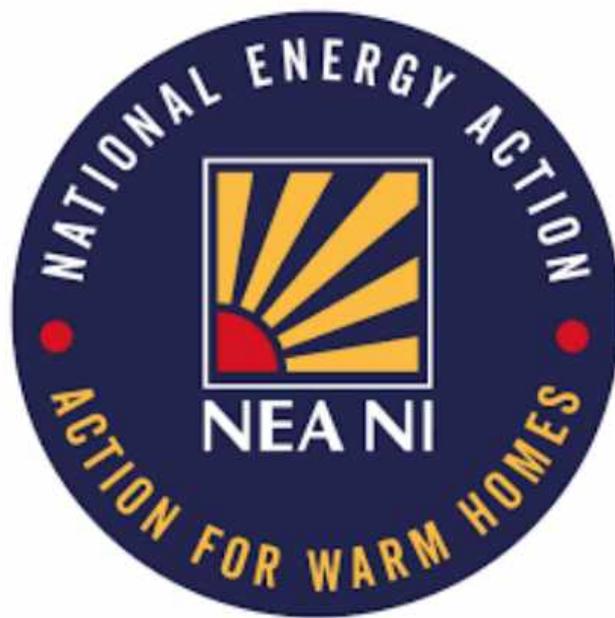
Fuel Poverty Overview

Definitions

Northern Ireland officially defines a household as being in fuel poverty if it has to spend more than 10% of its household income on energy costs (to heat and power the home) in order to maintain an adequate level of warmth.

3 drivers of fuel poverty*

- 1. Low income**
- 2. High energy costs**
- 3. Poor energy efficiency of the home**



National Energy Action: Fuel Poverty Estimate

The NEA definition of fuel poverty is that a household is in fuel poverty if it needs to spend 10% or more of its income on energy in order to maintain a satisfactory heating regime. According to the NEA, this gives a realistic picture of the scale of fuel poverty in periods of more volatile energy prices..

How many fuel-poor households in Northern Ireland?

Polling carried out by LucidTalk for National Energy Action Northern Ireland (NEA NI) between 13–16 September 2024 found that around 40% of households in Northern Ireland are living in fuel poverty. The research highlights the severity of the crisis, with 1 in 10 households reporting they have skipped meals to cope with energy costs and many others cutting back on heating and electricity use..

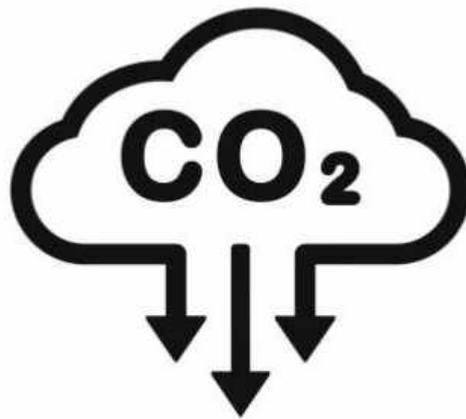
Fuel Poverty in Numbers

Northern Ireland

**40% = over 300,000
households in fuel poverty**

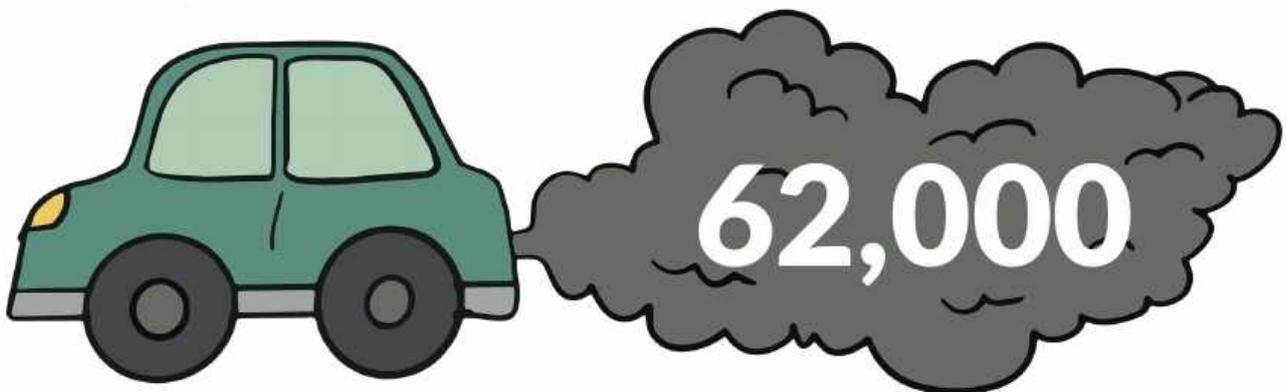


Carbon Dioxide Emissions



As well as reducing fuel poverty, wasted wind could have reduced NI carbon emissions by 113,000 tonnes

This is equivalent to...



...taking 62,000 cars off the road for a year*

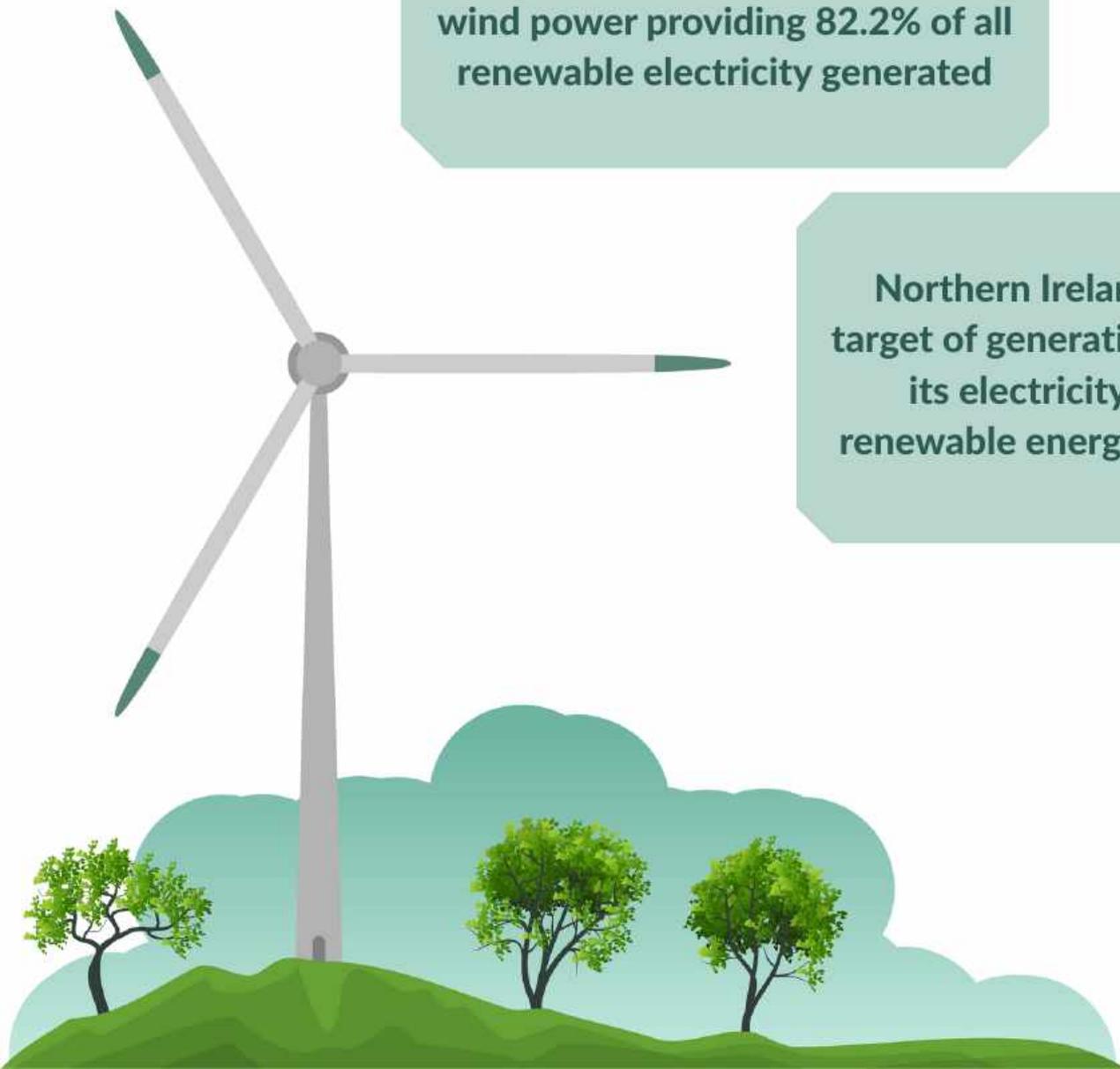
Wind Energy Overview



**DID YOU
KNOW?**

For the 12 months ending September 2025, renewable sources supplied 44.2% of Northern Ireland's total electricity consumption, with wind power providing 82.2% of all renewable electricity generated

Northern Ireland has a target of generating 80% of its electricity from renewable energy by 2030





energycloud

NORTHERN
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