

RENEWABLE ENERGY: DELIVERING FOR CENTRAL SCOTLAND



Across Central Scotland, Scotland's renewable energy industry is working to harness our world-leading natural resources to generate the clean energy we need to run our lives while tackling climate change.

This factsheet shines a spotlight on just some of the renewable energy projects in Central Scotland which are building healthier communities, creating green jobs and investment and making vital progress in tackling the climate emergency.

Renewable energy facts: Central Scotland

1. 46% of the region's renewable energy capacity is onshore wind, followed by bioenergy at 43% and solar at 10%.¹
2. Scotland has 11.9GW of renewable electricity generation capacity – 145MW are in Central Scotland.
3. Every year onshore wind farms in the region contribute £354,800 of community benefit funding money which would not otherwise be available for good causes.³

Onshore wind in Central Scotland

Across Central Scotland wind farms from developer EDF Renewables are capturing our abundant wind resources to generate electricity for local communities. This includes the 13 turbine Burnhead Moss windfarm near Avonbridge in Falkirk, which can generate 26MW and power up to 15,000 homes. This wind farm is investing £14,500 a year in the community which can be spent on local priorities.¹

Research for Scottish Renewables by Fraser of Allander Institute has shown that across Scotland onshore wind supports a total of 8,780 jobs, helping to create the green skills we need for our net-zero future. The onshore wind industry also provides Scotland with an economic output of £2.4 billion.

Scottish Renewables is calling for a low-carbon assessment to be introduced into Scotland's planning system to ensure that more renewable developments can go ahead.



Community energy in Falkirk

At Lionthorn in Falkirk, energy consultancy Locogen supported Bespoke Community Development Company (Bespoke CDC) to develop a 900kW wind turbine. Bespoke CDC is a community owned and operated organisation in Falkirk which engages the community with the great outdoors for purposes of health, recreation and learning. The wind turbine project was designed to create community benefit funds to support Bespoke CDC's projects.

Commissioned in April 2021 this wind turbine will over its lifetime, help Bespoke CDC achieve its goal of providing up to £1.2million in community benefit payments which can be used to develop and maintain off-road paths and trails to provide green travel for individuals and families within the Falkirk area. The wind turbine will generate 55.4GWh of clean electricity, enough to power 715 homes and offset more than 15,000 tones of CO2.²

To encourage new and existing community energy schemes Scottish Renewables is calling for The Scottish Government to provide non-domestic tax relief and streamline all funding and support into the Community and Renewable Energy Scheme.



Locogen

1. <https://www.edf-re.uk/our-sites/burnhead-moss>
2. <https://locogen.com/wp-content/uploads/2021/12/Wind-Bespoke-CDC-Case-Study.pdf>

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