Clauchrie Windfarm Economic Impact

During the lifetime of the development, Clauchrie Windfarm is expected to create opportunities for:

- haulage;
- turbine base and access track construction;
- fencing installation;
- forestry work;
- catering;
- transport;
- the supply of building materials (e.g., concrete);
- mechanical, electrical and supervisory services;
- waste management;
- site and building maintenance and cleaning;
- waste oil recycling;
- forestry work;
- snow clearing;
- cleaning;
- consumables deliveries.

"Over a 4 year period, the local windfarm projects and extensions were of great financial benefit to my cleaning business. As well as allowing me to increase the hours of my current staff, I was also able to offer employment to 4 additional staff members for the duration of the work"
Verena Graham, Verena's Cleaning Services

Construction & Operation

Construction Phase:

- Local contractors and suppliers in the local area could secure initial construction contracts worth up to £7.7 million GVA.
- Contracts worth up to £35.1 million could be available to the wider Scottish market.
- Creation of up to 116 job years of employment in Dumfries & Galloway and South Ayrshire and up to 542 in Scotland as a whole during construction.

Operational Phase:

- Positive operational impact of £0.7 million per annum GVA locally.
- Positive operational impact of over £1.1 million per annum GVA in Scotland.
- Around 9 FTE jobs in the area during operation, further FTE jobs are expected to be supported directly and indirectly elsewhere in Scotland.

Climate Change & Carbon Reduction

The UK Government announced in June 2019 that it will commit to a new plan to cut greenhouse gas emissions to 'net zero' by 2050, with Scotland's target set at 2045, to tackle climate change. A further amendment to up the Scottish Governments interim target to a 75% reduction by 2030, passed through Scottish Parliament in September 2019.

Key benefits include:

- 106,000 tonnes of CO2 avoided annually, from the wind turbines compared with a fossil fuel-mix of electricity generation.
- The development is promoted as 'in perpetuity' but for an assumed 40 year operational life of the turbines, the turbines would save over 4.24 million tonnes of CO^2 compared to a fossil fuel mix of electricity, and will repay the carbon emissions related to its construction in around 2.8 years[6].

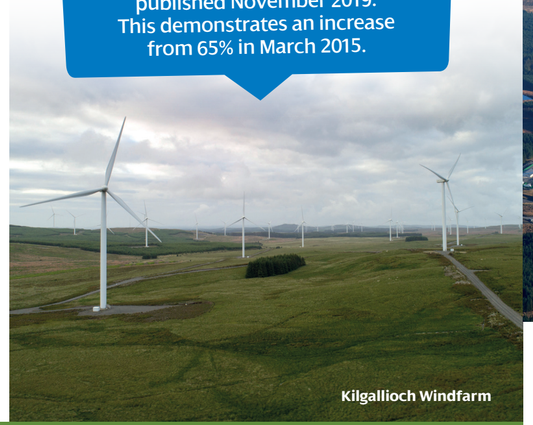
Environment

A Habitat Management Plan (HMP) is proposed as part of the Development, which will enhance the nature conservation value of the renewable energy site. The Habitat Management Area (HMA) encompasses a total area of 45 hectares of land, and will support the conservation of peatland and riparian habitat. The project would bring forward and increase broadleaf woodland by 24.9 hectares with associated environmental benefits.

Powering the Future

Onshore wind is the is the lowest-cost form of new power generation available[2].

UK Public Support for Onshore Wind has reached 78% according to the BEIS[4] Public Attitudes Tracker report published November 2019. This demonstrates an increase from 65% in March 2015.



Kilgallioch Windfarm

December 2019

Clauchrie Windfarm

A proposal to develop a new Windfarm with generating potential of around 100MW

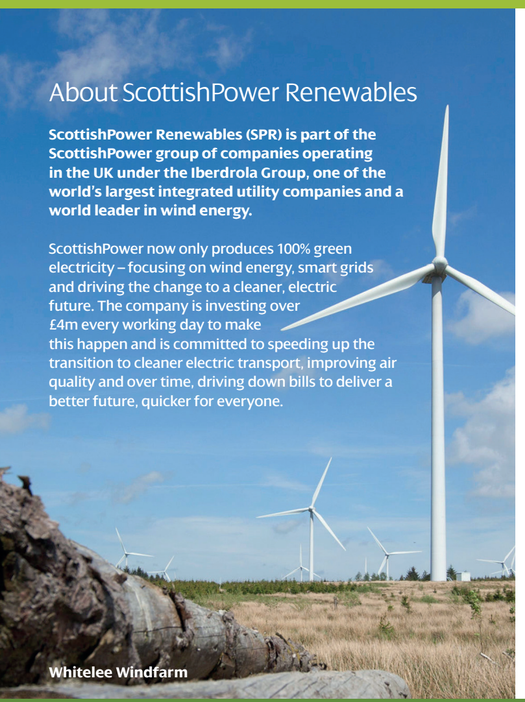
SCOTTISHPOWER RENEWABLES

Better future, quicker

About ScottishPower Renewables

ScottishPower Renewables (SPR) is part of the ScottishPower group of companies operating in the UK under the Iberdrola Group, one of the world's largest integrated utility companies and a world leader in wind energy.

ScottishPower now only produces 100% green electricity – focusing on wind energy, smart grids and driving the change to a cleaner, electric future. The company is investing over £4m every working day to make this happen and is committed to speeding up the transition to cleaner electric transport, improving air quality and over time, driving down bills to deliver a better future, quicker for everyone.

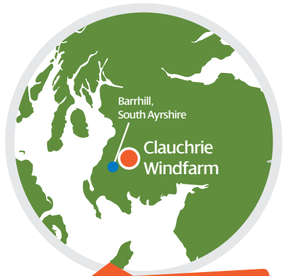


Whitelee Windfarm

Site Summary - key facts

200m tip height

18 wind turbines



Installed capacity of around **100MW**

Battery storage to provide ancillary services to National Grid

In comparrison to smaller turbines the new larger generators will produce around

4 times

the annual power output[5]

Generating enough power for around 84,000 homes[3] per annum

Economic Benefits

Community Benefit Fund and opportunity for shared ownership

Jobs supported - Meet the contractor days for local business opportunities

Training and education

Once operational the windfarm will contribute a significant sum in business rates to the economy, expected to be up to £1.2 million per annum.

In 2017 a report by BVG Associates considered economic benefits from eight onshore windfarms commissioned by SPR in South West Scotland during 2016-17. A summary of the findings showed[1]:

A total investment of £1.6 billion

66% UK content

51% Scottish content, including 16% local (south west Scotland)

Over the lifetime of the projects this estimated the economic impact as:

£297 million local value-added (1)

Benefits to the Community

SPR has a long association with South West Scotland windfarms in both South Ayrshire and Dumfries and Galloway. Community benefit funds have contributed to a wide variety of good causes in South Ayrshire, which include:

25 skills and employment projects

27 environmental projects

158 youth and education projects

Some examples are:

- Provision of winter fuel payments to households in Barrhill
- Running a bus service between Barr and Girvan
- Purchase and installation of new play park equipment in Barr and Barrhill
- Employment of a village handyman and purchase of a new mower, shed, scarifier & midge machines for Barrhill
- Purchase of a Scottish Ambulance first responders bag for Barrhill

To date, SPR has contributed over £6.3 million in community benefit funding to communities in South Ayrshire, and over £7 million toward initiatives in Dumfries and Galloway.

SCOTTISHPOWER RENEWABLES

References
(1) BVG Associates; 2017; Economic benefits from onshore windfarms
(2) BEIS; Electricity Generation Costs, 2016
(3) BEIS; Sub-National Electricity and Gas Consumption Statistics, Jan 2018 (based on average household consumption of 3781 KWh)
(4) BEIS; Department for Business, Energy & Industrial Strategy
(5) Based on comparing Clauchrie with the adjacent operational Mark Hill windfarm
(6) Scottish Government carbon calculator for windfarms V1.5.1

ScottishPower Renewables,
320 St Vincent Street, Glasgow G2 5AD
e: clauchriewindfarm@scottishpower.com
w: www.scottishpowerrenewables.com
t: 0141 614 0451

Better future, quicker

Cover image: Kilgallioch Windfarm, turbine tip heights 146.5m.
Other images: Kilgallioch Windfarm, turbine tip heights 146.5m and Whitelee Windfarm, turbine tip heights 110m.