



**SCOTTISHPOWER  
RENEWABLES**



## Glenravel Sports & Community Complex

4th June 2019  
2pm until 8pm

143 Glenravel Rd, Ballymena, BT43 6RA

## Loughgiel Millenium Centre

5th June 2019  
2pm until 8pm

38 Lough Road, Loughgiel, Ballymena, BT44 9JN

# Corkey Windfarm Repowering

## Public Information Days (PID)

### The case for wind energy and for repowering.

By 2040 the UK could lose up to 8GW from its current 12GW of installed onshore wind capacity. This is equivalent to 20Twh of electricity, which equates to the annual consumption of over five million UK households today. Repowering sites helps maintain, and build on the onshore wind currently on the system, supports the use of more efficient technologies and, the reuse of existing infrastructure, achieves more power with fewer wind turbines, helps reduce harmful emissions and bring investment and growth to local communities. Ultimately, repowering, ensures that cheaper electricity is supplied to consumers, whilst helping the UK meet its climate change targets up to 2050.

The use of onshore wind helps ensure energy security. Wind is a renewable form of energy, providing energy at source with no need to mine or transport fuel, it is not finite, it will not lead to fuel price uncertainty and is now the cheapest form of new large scale electricity generation.

### Why are we contacting you?

ScottishPower Renewables has been working on a proposal to re-develop the existing Corkey Windfarm which is located near the village of Corkey, Co. Antrim. We are seeking to repower the site which involves removing the existing 10 turbines and replacing them with 5 new, larger, more efficient turbines, and co-located energy storage. Since the initial PIDs held in 2017, we have been conducting extensive environmental surveys which have influenced site design. You can find out more at our second round of PIDs in June 2019. The project team will be on hand to discuss the project and answer any questions you may have about the proposals, and as ever we are keen to hear your feedback.

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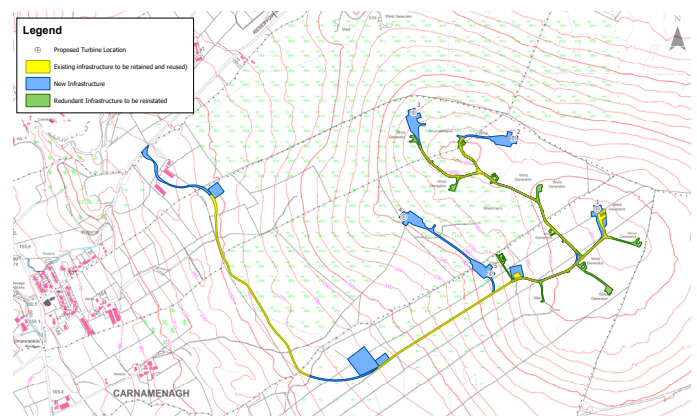
### Corkey Windfarm

ScottishPower Renewables has owned and operated the existing windfarm since 1994. The site has made an important contribution to Northern Ireland's Renewable Energy targets and low carbon objectives to date. We are seeking to secure and build on this contribution.

### Windfarm development process

We have completed our environmental assessments and have undertaken numerous detailed environmental and technical surveys. These findings will be presented alongside the application for planning consent, which will be submitted in the next few weeks to Causeway Coast and Glens Borough Council. These PIDs are intended to update you on our findings.

### Site Layout



## Corkey Windfarm Repowering Key Facts

	Existing Site	Repowered Site
Number of Turbine	10	5
Tip Height (metres)	57 m	Up to 137 m
Turbine Power (MW)	0.5 MW	Approx. 4 MW
Site Capacity (MW)	5 MW	Approx. 20 MW
Energy Storage	No	Yes

\*Final turbine choice will be made prior to construction

### ScottishPower Renewables

ScottishPower Renewables 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 in 2019 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.

ScottishPower Renewables is at the forefront of the development of the renewables industry through pioneering ideas, forward thinking and outstanding innovation. Its ambitious growth plans include expansion of its existing onshore wind portfolio, investment in new large scale solar deployment and innovative grid storage systems. The company is also delivering the Iberdrola Group's offshore windfarms in the Southern North Sea off East Anglia as part of an international pipeline of projects across Europe and the USA.

With over 40 operational windfarms, ScottishPower Renewables manages all its sites through its world leading Control Centre at Whitelee Windfarm, near Glasgow in Scotland.

### ScottishPower Renewables and Northern Ireland

ScottishPower Renewables has a long-standing foundation in Northern Ireland, operating five onshore windfarms which include Corkey, Rigged Hill, Elliots Hill, Wolf Bog and Callagheen.

West of Duddon Sands, operational as of 2014, is an offshore windfarm development in the East Irish Sea consisting of 108 turbines. This enabled construction of the £50 million bespoke facility at Belfast Harbour which began in early 2012 and supported up to 300 jobs in the process.

## Powering your community

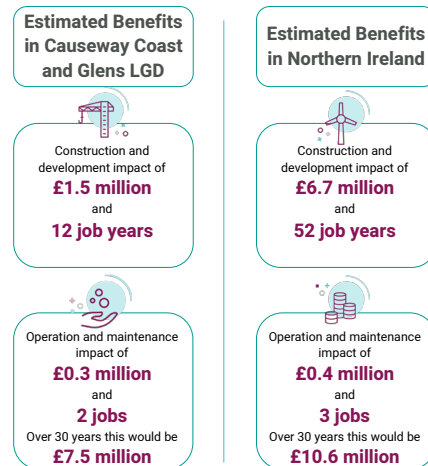
SPR is committed to being a responsible developer and operator of renewable energy and we strive to be good neighbours in all areas of our work. We encourage as many people as possible to get involved in and to learn more about our projects, maximising the local economic and social benefits our developments can create. We are keen to discuss a community benefit package, tailored to meet the needs of the surrounding community, and which has the capability to support the areas long term development ambitions, please come along so we can discuss any ideas you might have.

**Do you know?** The existing site is an established high performing site, operating for over 20 years, with a planning consent that allows the site to continue to operate in perpetuity.

**Do you know?** As well as repowering the existing site with new turbines, ScottishPower Renewables plans to invest in energy storage technology on this site. The benefits of energy storage are:

- Helping to stabilise the grid network by providing grid services which involves storing the renewable energy generated by the wind turbines and releasing that energy quickly, when it is needed;
- Enabling grid systems to be more efficient, resilient and cleaner than ever before;
- Maintaining availability during emergencies such as storms and equipment failures.

**Do you know?** ScottishPower Renewables has employed and continues to employ the services of numerous local people who are contributing to the upkeep and maintenance of the existing site. BIGGAR Economics has undertaken a socio-economic assessment of the proposed repowering of Corkey Windfarm, and the economic impacts of the project are illustrated below:



**Do you know?** ScottishPower Renewables operational windfarms have to date contributed more than £30 million of support towards community initiatives across the UK with the preferred approach to empower local communities to determine how the fund is used to the greatest benefit locally. This has resulted in a wide range of initiatives being delivered; from improving local amenities including town halls, cinemas and local youth clubs, to supporting work experience places, educational workshops and much more.

**Do you know?** That over 1/3 of Northern Ireland's electricity comes from wind. In 2019, Baringa Associates published a report that considers the benefits of wind energy, such as reduced wholesale electricity prices, reduced fuel imports and help avoiding EU non-compliance fines more than offset the costs (which include support, network upgrades and grid constraint costs). It was found that between 2000 and 2020 onshore wind energy reduced consumer costs by £135 million, equating to a net benefit of £4 per person per year in Northern Ireland.

## Contact Us

### Write to us:

Corkey Windfarm Repowering Project Team, ScottishPower Renewables, ScottishPower House, 9th Floor, 320 St Vincent Street, Glasgow, G2 5AB

**Email us:** corkeywindfarmrepower@scottishpower.com

**Visit our website:** www.scottishpowerrenewables.com

**Twitter -** @SPRenewables