

Berry Burn Wind Farm Extension

November 2019

Berry Burn Wind Farm, majority owned and operated by Statkraft

This brochure is designed to bring you up to date on the progress of the proposed Berry Burn Wind Farm extension, before we make our application to the Scottish Government.

About Statkraft

Operate and majority own the existing Berry Burn Wind Farm.

The largest generator of renewable energy in Europe.

3600 employees in 16 countries, all working towards our low carbon future.

Distributed over £1.6 million to communities near operating wind farms.

In August 2019 Airvolution Clean Energy was acquired to further our ambitions of delivering more renewable energy projects across the UK.



Berry Burn Wind Farm, 29 turbines, 100m tip height



Scotland is considered to have some of the best wind energy resource in Europe

Scotland has set world-leading targets to reach net-zero emissions by 2045

About Berry Burn: The Story So Far

Located 8 miles south of Forres, the Berry Burn Wind Farm has been producing renewable energy since 2014.



The Wind Farm is operated and majority owned by Statkraft. It has 29 turbines, and in a typical year provides renewable electricity for the equivalent of over 47,000 homes.

By 2020 funding from the wind farm will exceed £1 million, supporting great local projects and initiatives from over 100 groups.

	No. of Turbines	Turbine (MW)	Total (MW)	Max Blade Tip Heights	Electricity Generation (homes equivalent)	Community Fund (per year)	Community Fund (over project life)
Berry Burn	29	2.3	66.7	100m	over 47,000 homes	Minimum £166,750	Minimum £4.16 million

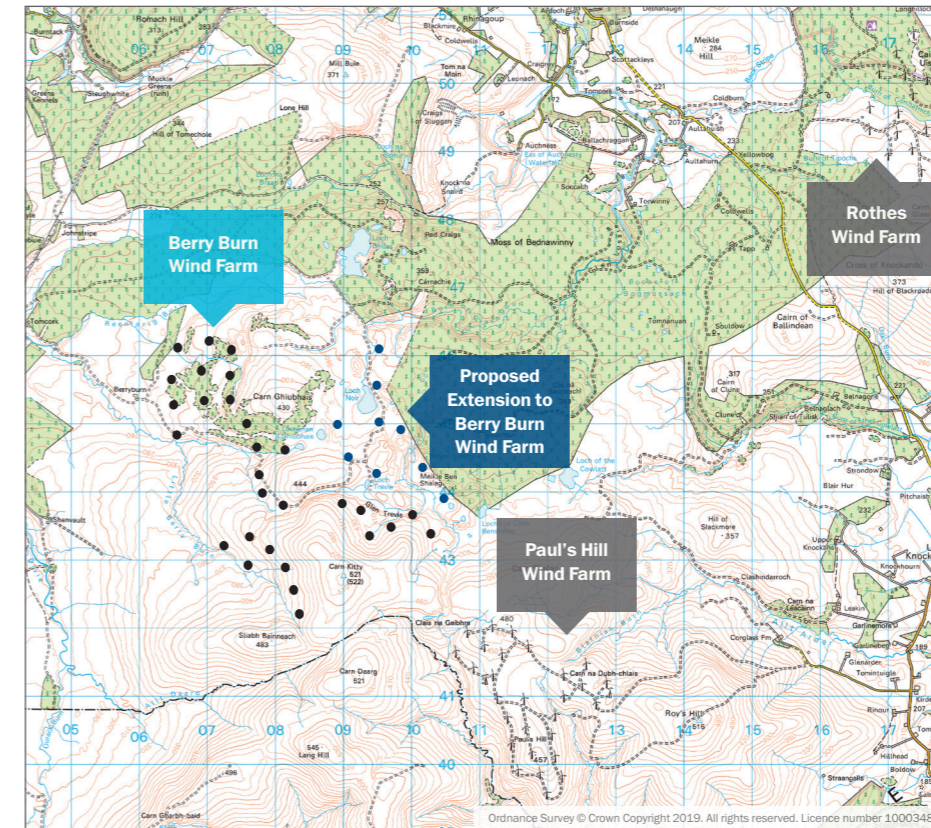
Fund information: www.berryburncommunityfund.co.uk
Project website: www.berryburnwindfarm.co.uk

A modern wind turbine will pay back all the energy used in its production within the first year

"Wind Energy" Royal Academy of Engineering, 2014

Proposed Extension

There is potential to extend the existing wind farm to the east of the site.



Key Facts

An extension of the existing site by up to **9** turbines.

A maximum blade tip height of just under **150m**

£157k Per year to the Community Fund - nearly doubling the existing amount.

	No. of Turbines	Turbine (MW)	Total (MW)	Max Blade Tip Heights	Electricity Generation (homes equivalent)	Community Fund (per year)	Community Fund (over project life)
Extension	9	3.5	31.5	149.9m	over 34,000 homes	Minimum £157,500 (31.5MW x £5,000)	Minimum £3.9 million

Information based on 9 turbines and current knowledge of site. These figures may change subject to turbines installed. Calculated using annual average domestic consumption of 3,729kWh, ees.gov.uk

In October 2019, the Berry Burn fund awarded over £41,000 to 7 community groups

Proposed Extension



Good reasons to extend the Berry Burn Wind Farm:

The **proven wind speeds** across the site make it an excellent wind farm location.

Designed to make **efficient use of existing access and tracks**, minimising impact on the community and the natural environment.

The extension is limited in scale, consisting of just **9 new wind turbines**.

The site is partially located within an area identified within the Council's Supplementary Guidance as an **area with potential for extension/repowering**.

How will the extension look?

An important part of our study work is the production of photomontages showing how the wind turbines could look from a variety of locations. These will be available to view within the application documents. The viewpoint locations have been agreed with statutory consultees, including Scottish Natural Heritage, Moray Council and the Cairngorm National Park Authority.

As developers, our challenge is to find the right balance between maximising the electricity output of a site and carefully siting and designing the proposal to relate to the existing landscape, including other wind developments.

Independent surveys consistently show over 75% of people support onshore wind

BEIS Public Attitudes Tracker

Proposed Timeline



Throughout the process Statkraft continuously engages with the local community and stakeholders about the emerging proposals.



Onshore wind generates over £19m each year for Scottish communities

Local Energy Scotland

Environmental Impact Assessment



The process of gathering environmental baseline data is vital to designing a good wind farm, including turbine locations, access roads and other infrastructure.

A key objective is to avoid negative impacts where possible, or to effectively minimise or mitigate them. A comprehensive understanding of the site environment allows us to make informed decisions.

This information is incorporated into an Environmental Impact Assessment Report (EIA-R) to accompany the application, which will be publicly available. Statutory consultees and other key stakeholders will give their comments before the Scottish Government makes a decision.

The recent wildfires that spread across much of the Moray countryside caused us to reassess the site and our plans, and further consultation with Scottish Natural Heritage has taken place.



Scotland is considered to have some of the best wind energy resource in Europe

Environmental Impact Assessment



Berry Burn Wind Farm, 29 turbines, 100m tip height

Wildlife & Habitats



Ecological surveys have been completed and have added to our extensive knowledge of the ecological value of the site and surrounding habitats. Additional surveys took place to assess the impacts of the wildfire on habitats within the site. This information is currently being reviewed and will feed into the EIA-R.

Ecological enhancements put in place from the existing wind farm have already shown habitat improvements for bird species such as hen harrier and black grouse. The extension would aim to expand on this with the primary focus being bog and heathland restoration and regeneration, specifically on those areas affected by the fire.

Detailed peat surveys across the site help inform the layout of the wind farm. A key objective is to avoid areas of deep peat and where this is not possible, to mitigate impacts.

We are currently working on how the extension can also implement fire prevention measures to minimise the risk of wildfire events in future.

Landscape and Visual Impact



Careful consideration is being given to how the Berry Burn Extension project would look, both individually and alongside other wind farm projects in the wider area - proposed, consented and operational. We have worked with Moray Council and Scottish Natural Heritage and Cairngorms National Park to agree 15 viewpoint locations, providing an indication of how the wind turbines could look. A detailed landscape and visual impact assessment is being prepared and all reports and assessments will be publicly available when an application is submitted.

"Our aim for the extension is to deliver increased improvements and show a biodiversity gain."

70% of Scotland's electricity demand was met by renewables in 2017

Scottish Government

We want to talk to you about how our project can bring new investment to your community, sharing the economic value of our projects.



We are often asked by residents near our projects if we can help deliver improved broadband. We need good broadband to operate our wind farm sites and it makes sense that we can try to share that benefit where possible.

Community Benefit Fund

A commitment to £5,000 per MW installed, as per Scottish Government best practice guidance.

Community Ownership

Progress the opportunity for local groups to have a financial interest in our project.

Local Investment

Work with local business groups such as the Chamber of Commerce to increase awareness of the opportunities in construction and operations.

Wireless Broadband

Investing in feasibility studies to identify potential for improved broadband access, and supporting communities with their initiatives.

Onshore wind is the lowest cost form of new-build electricity generation in the UK BEIS

Your comments and feedback help inform the final wind farm design.



We hope to submit an application in early 2020, when all application documents will be publicly available.

We welcome your comments and feedback using the feedback forms provided. In order for us to take your view into account before we submit an application, please comment by 14 December 2019.

Formal representations to the Scottish Government can be made after the application has been submitted.

We would like to keep you updated as our plans progress.

Please complete the feedback form provided.



berryburn-extension.co.uk



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(local call rate applies)



1 West Regent Street,
Glasgow, G2 1RW



9 new turbines at Berry Burn are estimated to generate electricity equivalent to the needs of over 34,000 homes



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www.statkraft.co.uk

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For more information about the existing
Berry Burn Wind Farm Community Fund
www.berryburncommunityfund.co.uk

For more information about the existing
Berry Burn Wind Farm and operations
www.berryburnwindfarm.co.uk



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