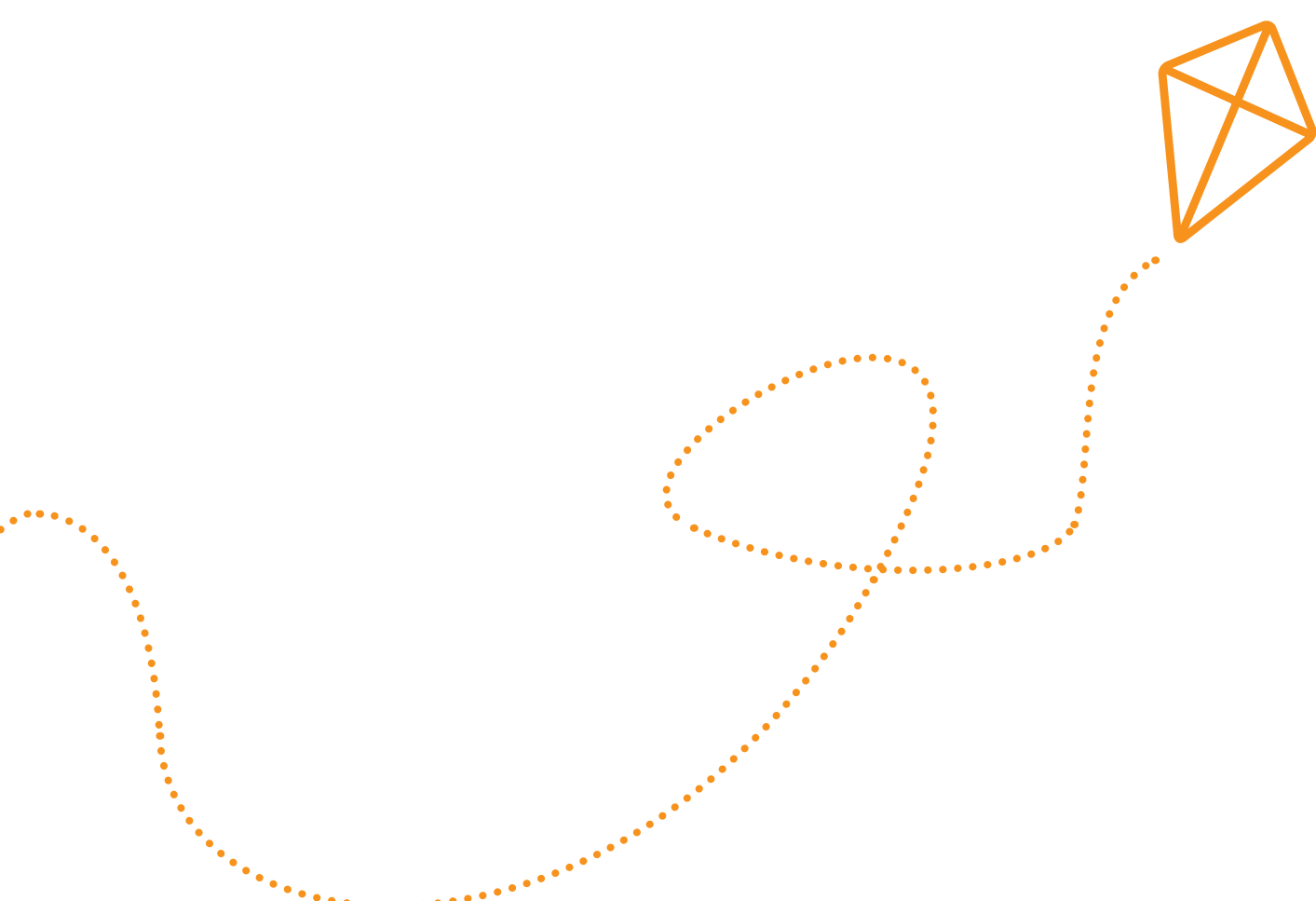


June 2019



Airvolution Clean Energy

Ackron Wind Farm Proposal



Statkraft



Welcome



We are assessing the potential for Ackron Farm to host a sustainable energy project.

Our team are here to discuss plans and to listen to your views before we consider submitting a planning application.

About Airvolution

- A leading independent onshore wind developer with offices in Scotland and England
- Established in 2010, and solely develop wind farms in Scotland for Statkraft to build, own and operate since 2017
- Combined experience of over 2 Gigawatts of onshore wind projects delivered across Scotland, England and Wales
- A proven track record for delivering wind farm projects across the UK, having completed 11 to date



About Statkraft

- 3600 employees in 16 countries and has operated in the UK since 2006
- The largest generators of renewable energy in Europe
- More than 350 power plants around the world
- Invested over £1.4 billion in renewable energy infrastructure in the UK
- Owns and operates four onshore wind farms and one hydropower plant in the UK



Baillie Wind Farm, Caithness.

21 turbines, 110m to blade tip.

Community Benefit Fund:
£130,000 per year

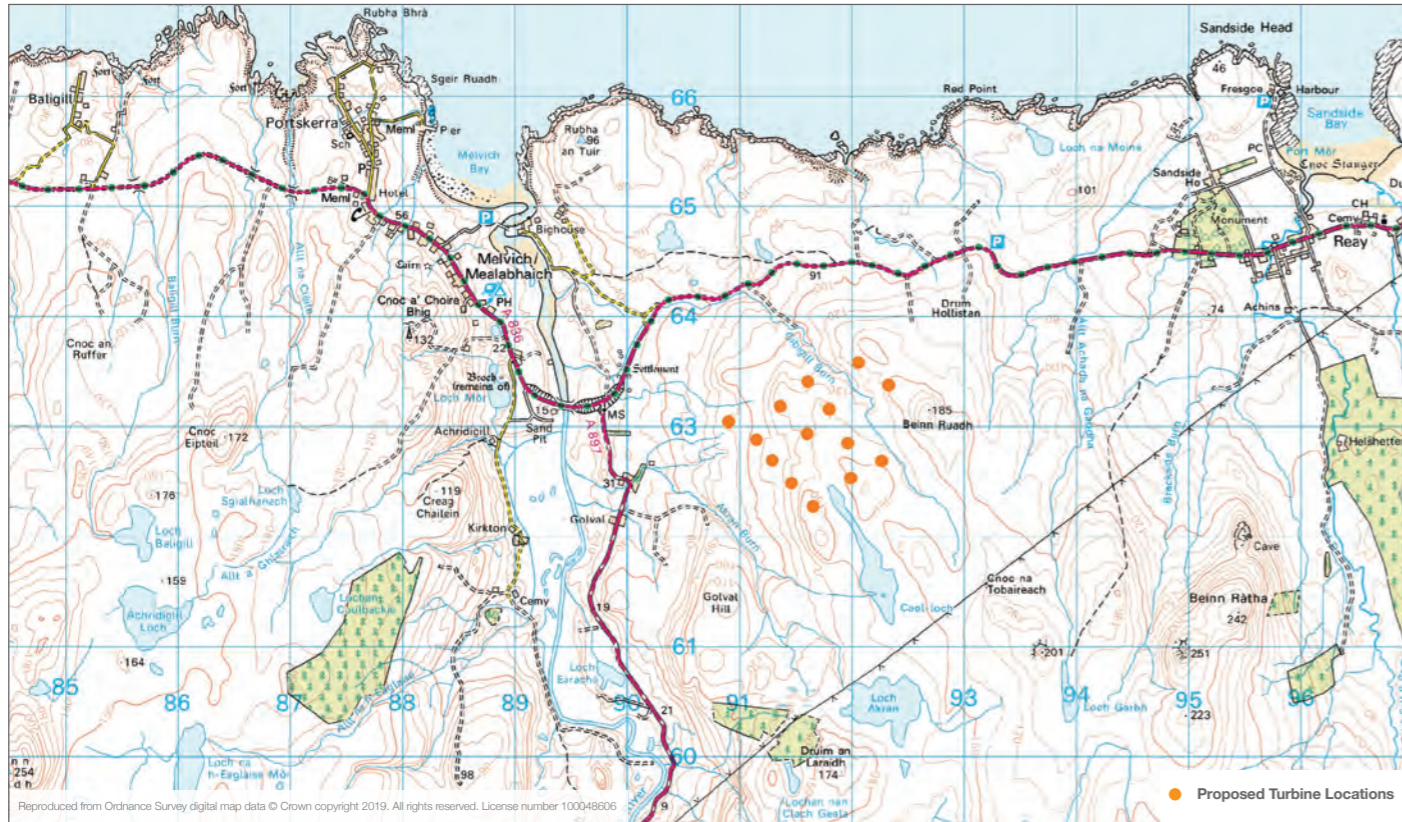
Onshore wind generated revenues of £1.4 billion in 2017 ONS

Planning consents for onshore wind farms are generally for a 25 year operating period



We believe this is a good site to assess the potential for generating clean electricity.

The layout shown below is what we think is currently possible. When our studies are complete, we will consult again and present our conclusions.



Our Preliminary Assessment

Proven wind speeds on site make it an excellent location for a wind farm.

The Site is **not within** Caithness and Sutherland Peatlands SAC/Ramsar or East Hallidale SSSI.

Location facilitates **access for delivery** of turbine components.

The site is **not covered** by any statutory or nationally protected landscape-based planning designations.

The site is partially located within an area identified within the Council's Supplementary Guidance as **an area with potential for wind farm development**.

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

Local residents will want to know how our proposal would look.

As part of our studies, we will be creating images showing how the wind turbines could look from a variety of locations. These will be available to view within the planning application documents when it is submitted.

The locations of the viewpoints will be agreed with Scottish Natural Heritage and Highland Council. They will form part of a full landscape and visual assessment of our proposal.

The design process will consider the various landscape designations surrounding the site such as those associated with the nearby Flow Country and the Farbay, Strathy and Portskerra Special Landscape Area.

Please talk to a member of our team to find out more.

Key Facts

<p>Up to 14 wind turbines currently proposed</p> <p>14</p>	<p>A maximum blade tip height of just under</p> <p>150m</p>	<p>Generating over 210 GWh per year**</p> <p>210 GWh</p>
<p>Installed capacity of up to:</p> <p>49 MW</p>	<p>Per year for community funding*</p> <p>£245k</p>	<p>Equivalent to the average consumption of over</p> <p>55,000 homes**</p>

*Based on 14 x 3.5MW turbines and £5,000 per MW installed

**Based on 14 x 3.5MW turbines, best available site wind speed data and average annual household consumption of 3,781kWh (BEIS 2018)

Onshore wind currently employs 5,800 people across Scotland ONS

Environmental Impact Assessment



The Environmental Impact Assessment (EIA) is a comprehensive assessment of the potential environmental effect of a project and is legally required.

This ultimately comprises a balancing exercise as to whether the environmental benefits of a renewable energy scheme outweigh its environmental impact.



The EIA is then incorporated into an EIA Report to accompany the planning application, which will be publicly available. Statutory consultees, key stakeholders, and members of the public are able to comment upon the application before the Highland Council make a decision. Areas covered in the EIA Report will include landscape, ecology, ornithology, hydrology, geology, noise, land use, socio-economics, tourism, climate change, and carbon balance as well as the following:

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

BEIS Public Attitudes Tracker

Environmental Impact Assessment



Cultural Heritage



A survey will be undertaken this summer to inform our assessment, including visual effects. We have identified key heritage assets that will be of particular focus, such as the listed buildings in Melvich and Reay and the Scheduled Halladale Bridge hut circles. Talk to a member of our team to find out more.

Traffic & Transportation



We are very aware of the need to minimise the impact on local residents during construction and will pay careful attention to the traffic routes we propose to use. Components would likely be delivered to Scrabster Port and then along the A9 and A836 to site. Our assessment will focus on the movement of traffic along the public road network to include abnormal loads and construction related traffic.

Wildlife



Independent experts have been undertaking bird surveys on and around the site for the past 2 years with further ecological surveys to be undertaken this summer. The surveys are in accordance with Scottish Natural Heritage standards and will inform the final design. The EIA Report will include full details of these surveys and demonstrate how significant impacts on protected or notable species were avoided.

Our aim is to deliver increased improvements for wildlife on the site and show a biodiversity gain.

Peatland & Habitats



Preliminary peat probing was undertaken earlier this year and the layout presented today has avoided areas of deep peat. Peatland habitat studies are scheduled for this summer and will identify any flora associated with peaty moorland; for example, heathland and bog.

Onshore wind generates over £18m each year for Scottish communities

Local Energy Scotland

Community Benefit



We want to talk with you about how our project can bring new investment to your community. We have a track record of making sure that the economic value our projects bring are shared with local residents and businesses.



“This contract has been invaluable to us. We have made more contacts and have secured more work because of it. We enjoyed working on the site. All our workers lived just six miles away, which meant enjoying an extra cup of tea in the morning.”

Hywel Pritchard,
Pritchard Brothers

Contracted by Airvolution to build the substation at Ysgello Farm, Anglesey



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

Community Ownership
We work with Local Energy Scotland and communities to explore different models available. Tell us your views.

Broadband Potential
We would like to work with you to see if we can unlock the potential to deliver improved broadband in the area.

Local Investment
We have a history of ensuring local businesses benefit first and foremost by making a commitment to prioritise local suppliers.

Education & Enterprise
We welcome your views on how the wind farm can directly or indirectly benefit those who are in education or training, and support local businesses.

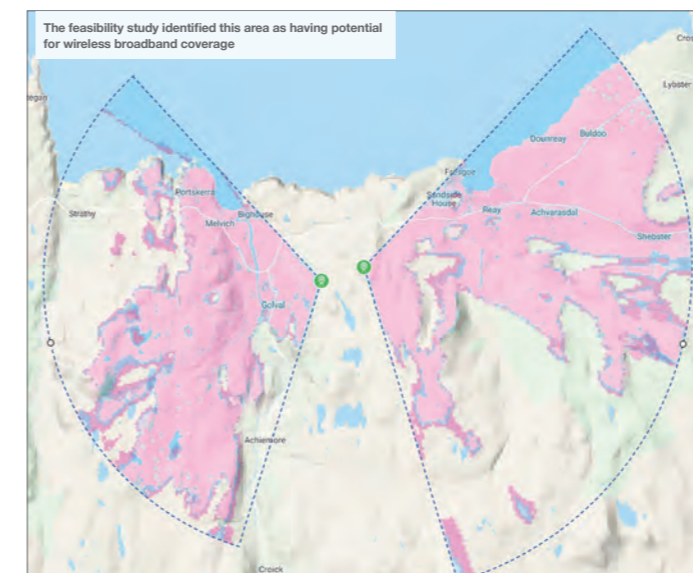
70% of Scotland's electricity demand was met by renewables in 2017 Scottish Government

Wireless Broadband Feasibility Study



We are always exploring ways in which we can provide positive benefits to local communities near our projects.

We are often asked by people if we can help deliver faster broadband or even get them connected in the first place. Access to a reliable and fast broadband connection is often an issue in rural areas. With this in mind, we have taken some initial action to investigate this.



We have commissioned an early stage Fixed Wireless Broadband Feasibility Study to explore the potential for using the infrastructure of our project at Ackron to deliver super fast broadband. Here's what we have discovered so far:

It's Feasible ✓
Further technological and in-depth engineering studies are required, but initial findings show that fixed wireless broadband could be established to provide a service to large areas of the local community.

It's Fast ⌚
Potential download speeds could be as high as 30-40Mbps, and because fixed wireless broadband can offer a synchronous service, it means upload speeds would be just as fast, unlike the 'fibre to the cabinet' service.

A Benefit 📶
Such a service, if implemented, could provide the potential for commercial and residential benefits.

Next Steps ➔
At a later stage, we would like to host a presentation with the independent supplier who carried out the feasibility study. If you would like to know more about its potential reach and capability, please talk to us.

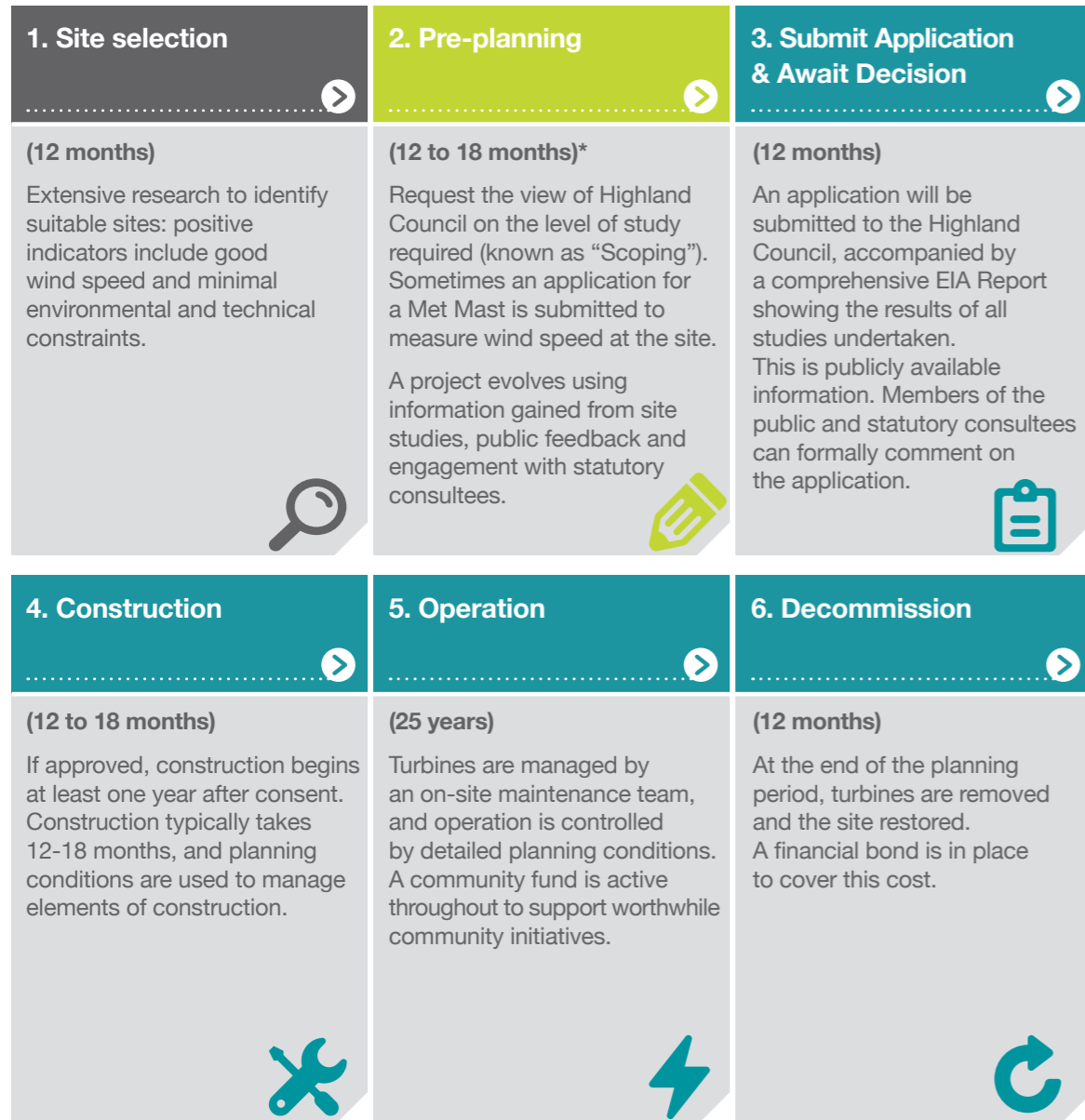


How it could work:
A mast around 20m high on the site transmits to a small dish (15cm) on a house. The feasibility study shows the coverage potential by placing two masts at each end of the site.

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

Proposed Timeline

Throughout the process, Airvolution and Statkraft will continuously engage with the local community and stakeholders about the emerging proposals.



* We have just started this phase
Please note, these dates are indicative and provide a guide

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

Next Steps

We welcome your comments and would be grateful if you would fill out one of the feedback forms provided.



Our plans are at an early stage. Your comments and feedback can help to inform and shape our approach to a final proposal.

When our studies are complete, we will consult again and present our conclusions.

We could submit a planning application later this year or early 2020, and the full suite of application documents would be publicly available at that time.

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

Contact Us:

<p>info@airvolutionenergy.com</p>	<p>Project website: www.ackron-windfarm.co.uk</p>	<p>01463 714403 (local call rate applies)</p>
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14 new turbines at Ackron Farm are estimated to generate electricity equivalent to the needs of over 55,000 homes



Airvolution Clean Energy Limited

London Office

3 Waterhouse Square,
138-142 Holborn,
London, EC1N 2SW

Glasgow Office

1 West Regent Street
Glasgow
G2 1RW

info@airvolutionenergy.com

www.airvolutionenergy.com



Statkraft UK

41 Moorgate
London EC2R 6PP
United Kingdom

www.statkraft.co.uk



www.ackron-windfarm.co.uk



Project hotline: 01463 714403
(Monday to Fridays, 9am to 5pm)

