

Welcome to the Community Open Day for Lochluichart Wind Farm Extension II

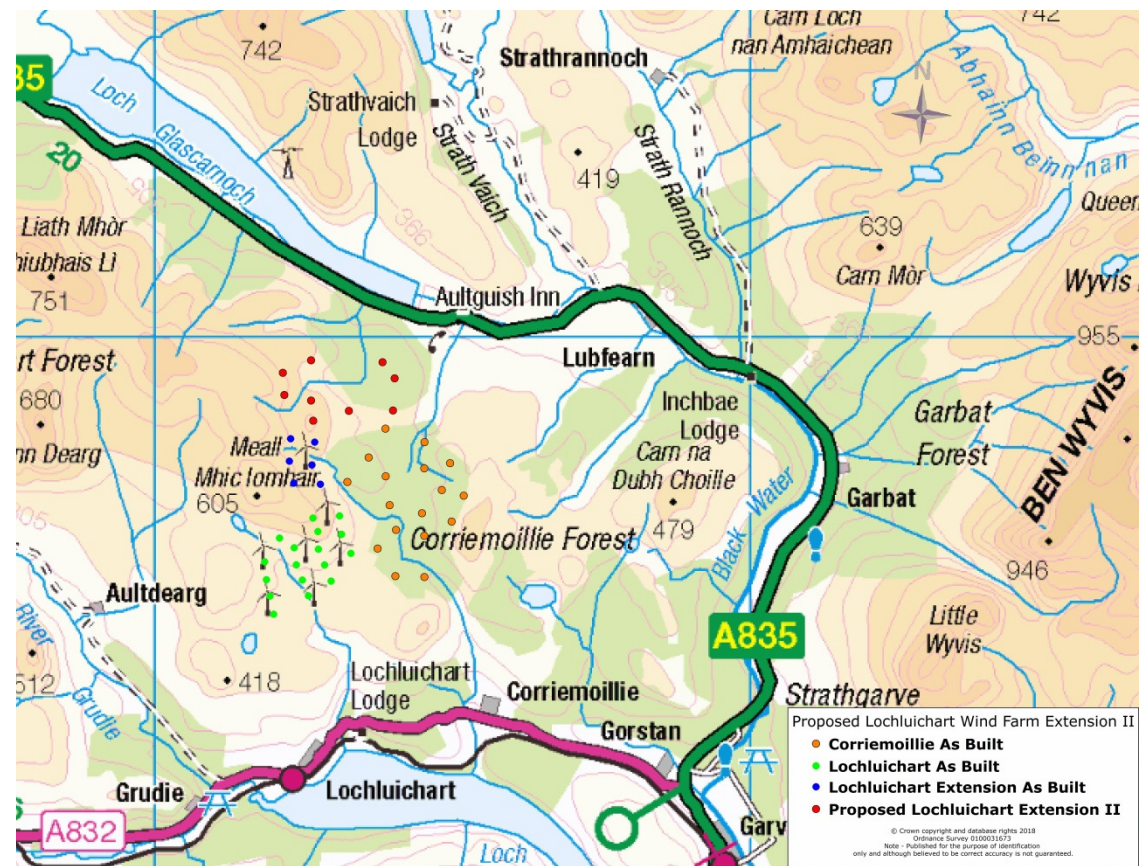
- Thank you for visiting the Community Open Day. Here you will find a selection of information boards outlining the proposal for a further extension to the operational Lochluichart Wind Farm. Please take your time to study the information and please do not hesitate to speak with any of the project team members who are here to answer your questions.
- If you would like to leave a written comment, please help yourself to a 'Voice Your Opinion' comment form, available from the reception desk.
- There are several ways to obtain further information and to contact us:
 - Our website www.lxxwindfarm.co.uk will be updated regularly to provide you with the latest information. We will publish the planning application documents including the Environmental Statement on the website once the application has been submitted.
 - Ring the freephone number **0800 980 4299**.
 - Email us at info@lxxwindfarm.co.uk
 - Write to us using **Freepost Infinergy Ltd.**

Lochluichart Wind Farm, Highland
Image for illustrative purposes only



Overview of the proposed plans

- The proposal is to develop a wind farm of up to nine turbines as an extension to the existing, operational Lochluichart and Corriemoillie Wind Farms.
- The development would be located to the north of the operational wind farms.
- The proposed turbines would have a maximum tip height of up to 150m when one of the blades is in a vertical position.
- Nine wind turbines of this size could have an installed generating capacity of up to 36 megawatts (MW). At present there are various different turbine models that suit this site. New and updated models matching the proposed dimensions will also be considered.
- Following the flooding in August last year, and in co-operation with Loch Luichart Estate, all turbines and infrastructure have been sited in a way which avoids increasing flood risk.



Proposed 9-turbine extension

Electricity & CO₂ equivalent

- Combined, nine turbines with an installed capacity of 36MW would have the ability to produce enough green electricity to meet the annual demand of over 22,500 homes*
- The wind farm would replace the emissions of over 40,000 tonnes of CO₂ each year*

*Source: RenewableUK. These calculations take the variable output of wind power into consideration and are considered industry standard (the accurate figures, based on the Scottish Government carbon calculator, will be available as part of the LXX Environmental Statement).

Community Benefit

- This area has a well-established Development Trust, the Lochluichart Community Trust (LCT), and recently formed Garve & District Development Company in place to help the community become more resilient and sustainable over the long term. Thanks to the community benefit from the Lochluichart and Lochluichart Wind Farm Extension projects, as well as funds from the Corriemoillie Wind Farm, many projects have already been developed and additional funds from this new extension would allow even more good causes to be supported locally.
- Whilst a comprehensive Community Needs Assessment has already been undertaken, if you have further ideas for projects, please do let us know either at the open days, by filling in the form below or by contacting us directly.
- For example, should the funds support:
 - Skills and education?
 - Business enterprise?
 - Tourism infrastructure, eg. More electric vehicle charging points along the NC500?
 - Energy saving measures for local people?
 - Affordable housing?
- Please feel free to write any ideas that you have on how community benefit could make a positive contribution to your local community on the 'post-its' provided and stick them up on this panel. Alternatively, please complete a 'Voice Your Opinion' comment form which is available from the reception desk or just tell us while you are here.



How wind farms are changing

Wind farms are changing, and that's due to a number of different things:

- **Market support:** All forms of new renewable energy technology are given financial support by the UK Government until they reach a stage where they can be economically viable without it. Onshore wind is now a 'mature' technology, and previously used market support mechanisms have now concluded. This means that a wind farm designed today must be able to pay for itself simply through the sale of electricity and in order to do that, the most efficient design and turbines need to be utilised.
- **New turbine technology:** Turbine design is becoming more and more efficient. In order to maximise the amount of energy a turbine can generate, by capturing as much wind as possible, tower heights are increasing and the blades are getting longer. In the UK, there have been new wind farm proposals coming forward which are considering turbines of up to 175m tip height, for example, Clash Gour Wind Farm (Force9/EdF) and 200m at Rothes 3 (Fred Olsen), both in Moray.
- **New design tools:** The tools we have available to us now to assess locations in terms of the technical requirements, particularly in relation to wind resource, have improved greatly over the years. All that feeds back into the design process and helps developers design the best wind farm for the site in question.

Lochluichart Wind Farm, Highland
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This will mean that in the future, wind farm sites, whether they be new sites, extensions or the repowering of existing sites, will most likely have larger turbines to try and maximise the energy potential.

Next steps

- We are now planning to submit the planning application for **Lochluichart Wind Farm Extension II** to the Highland Council later this year as a 'Major Planning Application'.
- The Highland Council will consult with Scottish Natural Heritage and SEPA as well as a number of other statutory consultees.
- An Environmental Statement (ES) including all the results from the surveys will be submitted with the planning application. All documents will be uploaded to our website www.lxxwindfarm.co.uk under 'Downloads'.
- If you would like to receive a CD containing all the planning application documents or a hard copy of the Non-Technical Summary (NTS, a condensed version of the ES), please request this in the 'Voice your opinion' comment form available at the reception desk. The CDs and the NTS are provided free of charge for as long as stock last.
- The timeline shown below gives an indication of possible timescales should the proposal be deemed acceptable and is subject to change depending on the planning process.

