Mynydd y Gaer Wind

BRIDGEND ENERGY HUB

CENIN

2021

CENIN is excited to share its plans to develop Mynydd y Gaer Wind Farm, a key part of the Bridgend Energy Hub that will supply the total power needs for 60,000 homes, sustainably.

The Hub is a transformative scheme that will combine the production of renewable energy for use in the local area, and the development of a sustainable transport hub and employment area at Junction 36 of the M4 motorway.

Renewable energy generation is now the most economical way of producing energy and will become the main source of energy for households, industry and transport.

As society comes to terms with the immense challenges that climate change brings, the need for innovative, energy secure, integrated projects that deliver vital local economic and environmental benefits has never been greater.

Wind turbines have become a common part of the landscape in South Wales and Mynydd y Gaer can help Bridgend produce more of the energy it needs locally, helping meet its obligation to reach net zero by 2030.

Mynydd y Gaer has been identified as a suitable location for wind energy by Welsh Government and, as such, is designated as a 'Pre-Assessed Area for Wind'. We are a Welsh developer that's aim is to ensure that the scheme delivers local benefit.

Planning Partner
rpsgroup.com

Communications Partner
avenue-creative.co.uk

Land Agents
Peter Morris & Jeremy Liley
Farmtrack.co.uk

Consultation and Engagement started in 2021 with local communities, community councils, politicians and the general public, and we will be continuing this with a number of community engagement events over the Summer, details of which will be sent to community councils and posted on CENIN's social media channels.

Wind turbines have increased in height over the years, to be as efficient as they possibly can be, meaning fewer turbines are required to generate the same power output. Larger wind turbines also rotate slower than smaller, more 'whizzy' turbines, and have multiple settings for noise and shadow flicker, meaning noise levels are controlled and shadow flicker can be managed fully.

We are currently in discussions with the Coity Wallia Commoners Association about how the Common could be best used and improved not just for commoners, but everyone who lives locally.

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Director and Project Lead


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FAQs

What are the benefits of having a Wind Farm?
Wales has a fantastic wind resource and there are major benefits in capturing this low carbon energy. Local generation means more money will be generated in the local community and also gives increased energy security in very unsure times.

Where will the Wind Farm be located?
The wind farm is proposed on Mynydd y Gaer Common found to the north of Heol y Cyw and to the south east of Blackmill and south of Glynogwr.

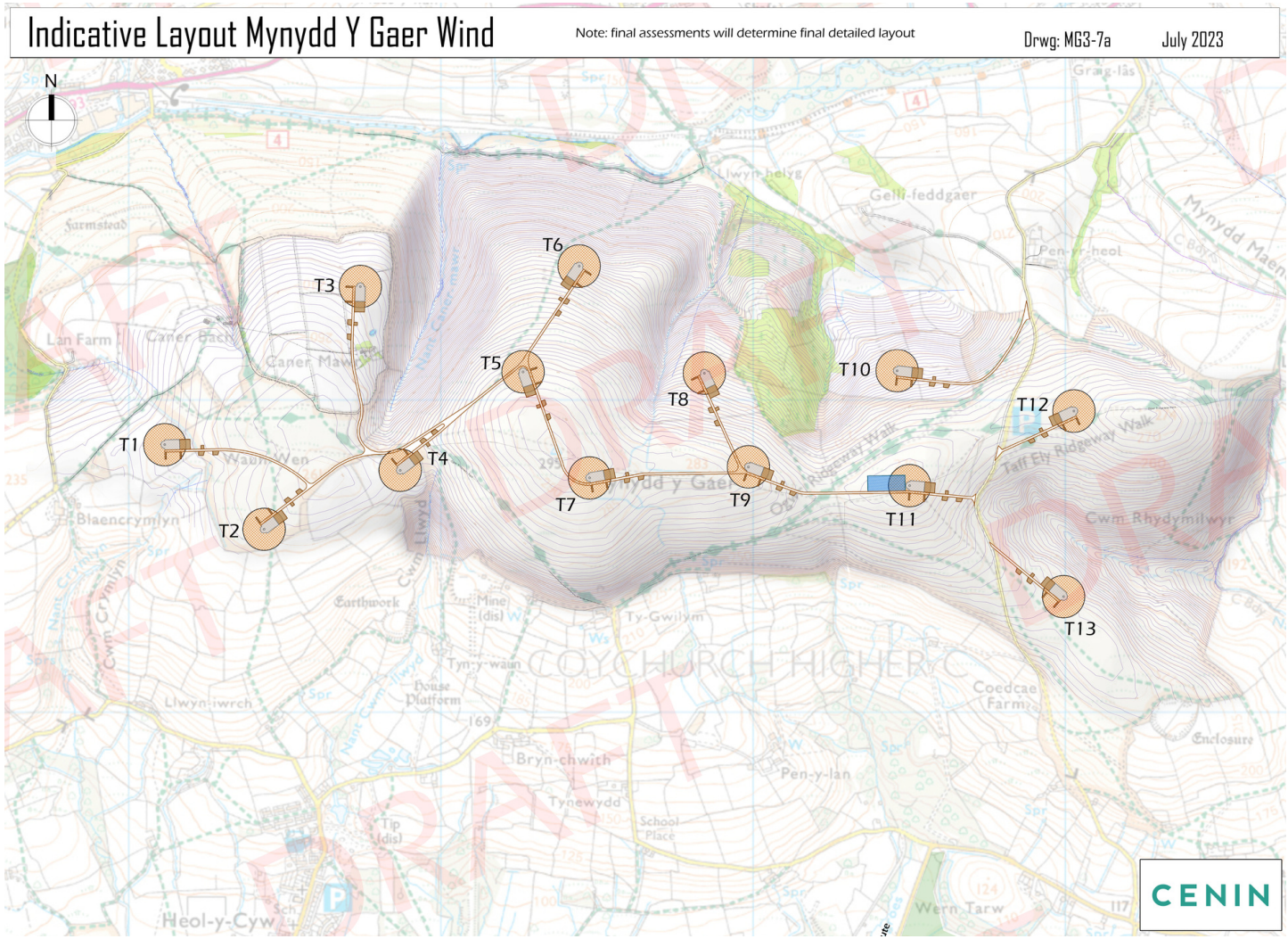
Will the project really cut carbon emissions?
Yes, the scheme will have a capacity of 60MW which, in houses for instance, is 60,000 homes.

Do wind turbines produce noise?
The noise produced by wind turbines is carefully assessed throughout the planning process to make sure the scheme is suitable for the local area. Modern turbines have multiple different noise settings, meaning noise can be fully controlled.

What is shadow flicker?
Shadow flicker is the flickering effect caused when rotating wind turbine blades periodically cast shadows through constrained openings, such as the windows of neighbouring properties. The effects of shadow flicker on affected areas are seriously assessed throughout the planning process. There are multiple settings on the turbines that can prevent the shadow casting near your property, including a shutdown scheme at certain hours.

Will the Common still be accessible?
Mynydd y Gaer will remain open and accessible to all including the commoners' graziers.

How often are the turbines serviced?
Once constructed, work on the turbines is minimal – they are usually serviced every six months.



What are the effects on the landscape?
As wind turbine technology advances, we believe this results in having less of an impact on the landscape. For example, a modern turbine now has a the capacity to produce 5MW of power, a vast increase on the output of smaller turbines (approx. 500kW each). This would mean that in order to build a 25MW wind farm, you would need five large wind turbines or 50 smaller turbines. As a conscientious developer we take the view that less, but ultimately larger turbines, fit better in the landscape and are more visually pleasing.

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Do you have a question about Mynydd y Gaer Wind that isn't answered here? Take a look at the FAQs section on our website or e-mail us nextgeneration@bridgendenergyhub.co.uk

Planning Timeline

Summer 2023
Engagement with local community

Autumn 2023
Pre Application Consultation

Late 2023
Submission to PEDW

Mid 2025
Decision

2027/28
Build

CENIN aims to expand the use of the power locally, maximising the benefits of the scheme for local people and businesses not just for the 50 year lifespan of the project, but for generations to come.

We will help to maintain over 1,000 hectares of common land in collaboration with the Commoners Association, whilst supporting local groups and organisations in and around the local community.

This is all part of the commitment we make to the communities in which we work, with all of our projects aiming to...

- Provide local energy generation creating economic benefit for the foreseeable future
- Provide annual educational visits for local schools and community groups to visit our sites, to explain how we help deliver the electric economy
- Offer all Year 6s from schools in the local area to visit our Parc Stormy HQ each year, for the life of the project – for free!
- Maintain access to the countryside for wellbeing, exercise and active travel
- Support local clubs and associations in the area
- Help create the 'Wales we want' for our future generations.

You can find more about our commitment to local communities by visiting our website or by contacting a member of the CENIN team.

BRIDGEND ENERGY HUB

Mynydd y Gaer Wind

Ty'n y Waun Solar

J36 Transport Hub

Ti'r Isha Employment Zone

CENIN

Find out more or Contact Us:

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All information correct as of July 2023