

Submission of Projects Form – National Development Framework	
Name	Huw Smallwood
Contact details	Tegni Cymru Cyf, [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]
Date	24/02/2017
Interest in site	Developer
Details of landowner	Four sets of farming family landowners
Title of project	Derwydd Bach Wind Farm
Summary of project <p>Derwydd Bach is a wind turbine development site in North Wales. It was granted planning permission in 2011. Work has started on the site and the consent has been retained beyond the five year period. The current consent is for 10x 2.3 Mega Watts (MW) wind turbines with a blade tip height of 120.5m.</p> <p>Work did not start due to problems with the grid connection, which is currently the subject of a judicial review. Due to Government removing all forms of support for onshore wind and because the site does not have a ROC contract, or a CfD contract in its' current form it is not commercially viable.</p> <p>Tegni Cymru still have an option on the land.</p> <p>As the site is situated in TAN 8 Strategic Search Area (SSA) A, it was previously granted planning permission by Denbighshire County Council and a grid connection is available, Tegni Cymru intend to redesign the site layout and turbine type in order to extract sufficient energy to make the scheme commercially viable without any form of subsidy. This will most likely involve higher tip height than the previous turbines, in order to achieve a higher average wind speed. The company will then submit a new planning application for the revised scheme.</p>	
Location of project (Please attach location map) <p>Derwydd Bach, near Llanfihangel Glyn Myfyr.</p> <p>Grid reference SJ 02848 49631 (map attached in Appendix A)</p>	
What consents are required? <ol style="list-style-type: none"> 1- New planning permission for larger turbines that would increase energy yield, and reduce the Levelised Cost of Energy (LCOE); 2- Grid connection to the site; 3- Agreements with NRW for access and cables to the substation. 	
Consents already granted relevant to project <p>Planning was approved in 2011 for 10x turbines of 120.5m tip height with an installed capacity of</p>	

23MW.
<p>Public engagement to date</p> <p>Over a period of 11 years there have been several meetings with local communities, but more importantly, Tegni Cymru is based only 5 miles from the site, it employs local people, would involve all the landowners and families (up to 20 people) and if consented would employ more local people to assist with the running of the site.</p>
<p>Has an environmental assessment been prepared? (Yes / No)</p> <p>YES. A full EIS was prepared with the first planning application.</p> <p>The site is located in the Technical Advice Note 8 (TAN8); Strategic Area 'A'.</p>
<p>Are there any site designations or constraints affecting the site?</p> <p>NO</p>
<p>What is the delivery timescale for the project?</p> <p>Q3 2019</p>
<p>How would the project contribute to the delivery of the 7 well-being goals?</p> <p>This project will contribute to all of the seven goals set out by the Welsh Assembly, either directly or indirectly as follows:</p> <p>A prosperous Wales:</p> <p>The wind turbine site will generate deep green, very low carbon energy from the wind to the local grid. This wind farm will help Wales contribute to the UK's goal of generating 15% of the UK's energy by 2020. The site will contribute ~80GWh per annum of carbon free energy to Wales's energy generation mix (which will contribute nearly 2% of the renewable energy generated in Wales in 2015¹). This will reduce Wales's reliance on coal, and other sources of energy and will ensure 17,390 households will be powered by renewable energy.</p> <p>The project will help the Welsh Government in the fight against climate change. During the construction of the wind farm £1.5-£2m will be spent locally on the civils and electrical works. The landowners will receive rental income for 25 years plus which will have a profound effect in stabilising a somewhat volatile agricultural environment.</p> <p>Local engineers will be employed to maintain the turbines for a 25 year period adding cash into the local economy.</p> <p>There will be the chance for young apprentices to learn a new trade and be employed with decent work. All we have in the locality at the moment, is forestry, water works and farming.</p> <p>The local communities will be financially supported by the wind farm through a community fund.</p> <p>A resilient Wales:</p> <p>The wind farm will not have an effect on biodiversity and any mitigation proposals will actually enhance biodiversity. The clean carbon free output will also have an impact on climate change</p>

¹ Electricity generation and supply figures for Scotland, Wales, Northern Ireland and England, 2004 to 2015.

making Wales more resilient to such changes.

A healthier Wales:

Sustainability is key here. By generating clean energy from the wind, the reduced reliance on coal power stations will improve air quality in Wales. Furthermore, there is no residual pollution when a wind farm has reached the end of its' working life unlike nuclear and coal fired power stations. We do not have the right to leave our waste for future generations to clear up.

Younger generations can see the benefits of clean energy and can see that behavioural changes are important.

A more equal Wales:

This scheme is embedded in the community because the developer is based in the locality. There are endless benefits evolving from the project. The community fund will give the chance for local people to achieve their potential if they have a financial shortfall. Consideration will be given to young members of the community who want to fulfil their ambitions and develop personal skills through training.

Keeping young people in the community helps the resilience of the more rural areas.

A Wales of cohesive communities:

A prosperous environment is stimulating to the people who live there. Better facilities create a safer environment and become more attractive. The benefits a wind farm can bring to an area significantly outweigh the disadvantages.

Such projects are the way forward and should be supported especially when everything else appears to be on a downward trend.

A Wales of vibrant culture and thriving Welsh language:

Because this project is embedded in the community, which is predominately Welsh speaking it will automatically preserve and enhance the language and the culture of the area. A more vibrant community will lead to better facilities and a better understanding of the culture and recreational opportunities.

A globally responsible Wales:

This environmentally friendly project will contribute to the global well-being by achieving the UK's commitments to meeting the EU targets of generating 15% of the UK's energy from renewables by 2020.

The stimulation created by this new project will have a positive effect on the local economic, social, environmental and cultural well-being of the area and will inevitably make a positive contribution to global well-being.

Why is the project of national significance?

Because by working together the project will help Welsh Government to achieve its' national goals.

This site will be one of the first wind turbine sites in the UK to be built with no subsidy from Government. This is a significant step for renewables, and will only be possible if we all work

together.

Do you agree for your project and any supporting information to be made public?

(Only projects and information that can be made public will inform the development of the NDF.)

Yes.

Appendix A

