RWE

Press release

Application submitted for onshore wind farm in North Wales

- **Plans submitted for 59MW wind farm, with capacity depending on final turbine model selection.**
- **Proposed development sits on the boundary between Denbighshire and Gwynedd and consists of nine turbines.**
- **If constructed, proposed wind farm is projected to be able to generate electricity equivalent to the average needs of 52,600[(1)] typical Welsh homes annually.**

Baglan, Wales, 11 September 2025

Plans to build an up to nine-turbine wind farm on the boundary of Gwynedd and Denbighshire local authority areas have been submitted by Wales's biggest electricity generator, RWE.

The application, which has been submitted to Planning and Environment Decisions Wales (PEDW) will be considered by Welsh Ministers and includes two 200m tall turbines and seven 180m turbines.

Submission is a major milestone in the development of the Gaerwen Wind Farm and is the culmination of more than five years' work. The application includes in-depth reports and survey data covering ecology, ornithology, hydrology and noise, plus landscape and visual impacts.

Arfon Edwards, RWE's Project Manager for Gaerwen Wind Farm, said: "This submission is a significant step towards delivering the Gaerwen Wind Farm, reflecting the time and energy invested in laying out the in detail for how, if fully approved, the project would be constructed and operated.

"Projects like this are key if Wales is to meet its own energy needs through renewable generation within the next decade, particularly as demand is set to rise significantly between now and 2035. In addition, by developing a community benefit package and ensuring the region's companies can bid for work, we can help secure enduring local economic benefits."

If approved, the Gaerwen Wind Farm would next work towards a financial investment decision before entering construction and could be operational by 2030.

RWE operates three onshore and three offshore wind farms in Wales as well as five hydroelectric sites. It is developing the Pembroke Net Zero Centre and has a renewables development pipeline that includes onshore wind, solar and battery storage projects, as well as the Awel y Môr Offshore Wind Farm. RWE employs around 350 staff in Wales across all technologies.

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Editors notes

1 Energy predicted to be generated by the proposal is derived using wind speeds monitored in the local area and correlating to longer term historical weather data using meteorological models seeded with data obtained from satellite, surface based and airborne measurement systems. The equivalent homes supplied figure is based on an annual mean domestic electricity consumption of 3,125 kWh per household in Wales from the latest statistics from (Subnational Electricity Consumption, Great Britain, 2005-2022, annual mean domestic electricity consumption (kWh per household) for Wales, 2022 (https://bit.ly/3QRaYHv) Regional and local authority electricity consumption statistics (www.gov.uk). Figures are rounded. Department for Energy Security and Net Zero (Subnational Electricity Consumption, Great Britain, 2005-2022, annual mean domestic electricity consumption (kWh per household) for Wales, 2022 (https://bit.ly/3QRaYHv) Regional and local authority electricity consumption statistics (www.gov.uk). Figures are rounded.

Gaerwen Wind Farm is a Development of National Significance. Further information and planning documents are available to view by searching DNS/3276735- Gaerwen Wind Farm at https://planningcasework.service.gov.wales/
The first site assessments for the Gaerwen Wind Farm were carried out in 2020. A non-statutory consultation on early stage plans, which included public information days, took place in early 2022. This was followed in 2024 by a statutory pre-application consultation, which ran from 10 July to 4 September and included exhibitions and another invite for people from local communities to share their thoughts.

RWE

RWE is leading the way to a modern energy world. With its investment and growth strategy, RWE is contributing significantly to the success of the energy transition and the decarbonisation of the energy system. Around 20,000 employees work for the company in almost 30 countries worldwide. RWE is one of the leading companies in the field of renewable energy. RWE is investing billions of euros in expanding its generation portfolio, in particular in offshore and onshore wind, solar energy and batteries. It is perfectly complemented by its global energy trading business. Thanks to its integrated portfolio of renewables, battery storage and flexible generation, as well as its broad project pipeline of possible new builds, RWE is well positioned to address the growing global demand for electricity, particularly driven by further electrification and artificial intelligence. RWE is decarbonising its business in line with the 1.5-degree reduction pathway and will phase out coal by 2030. RWE will be net zero by 2040. Fully in line with the company's purpose - Our energy for a sustainable life.

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