NORTH FALLS

Offshore Wind Farm

ABOUT NORTH FALLS OFFSHORE WIND FARM

OVERVIEW

North Falls Offshore Wind Farm is an extension to the existing 504MW Greater Gabbard Offshore Wind Farm. The project is being developed in the southern North Sea, more than 20km off the UK coast.

The site is in two parts, which together cover a total area of 150km². The project is being developed by North Falls Offshore Wind Farm Limited, a joint venture company owned equally by SSE Renewables and RWE.

Spring/Summer 2023

DESCRIPTION

North Falls offshore site is located in the southern North Sea with its closest point to land being 22.5km from the Suffolk coast, near Orford. The site is split into two areas, within which the turbines, array cables, and up to two offshore platform/substation(s) would be installed. The northern area covers close to 21km² while the larger southern area covers around 130km².

The layout of the turbines and the location and design of the offshore platform/substation(s) will be finalised post-consent. The project's transmission components will depend on the final grid connection option, whether at a feasible and practicable offshore location or onshore at the proposed new National Grid substation in Tendring, North Essex.

With an offshore grid connection, the electricity generated would be transported via subsea cables to an offshore connection owned and operated by a separate party. From there, it would run via subsea cables to a point onshore, and onwards to the national electricity transmission system – the national grid.

In case of an onshore grid connection, the electricity generated would be transmitted to shore by subsea cables to a proposed landfall on the Essex coast, near Frinton-on-Sea. From there it would be transmitted 24km by **underground cables** to a new North Falls onshore substation, and then further to a new National Grid substation.

The project's design will be refined through further environmental assessment and consultation work prior to submission of the Development Consent Order application.

PROJECT BENEFITS

An initial socio-economic benefits study to clarify the type and extent of potential opportunities for the local area was completed by North Falls in late 2022.

In terms of employment, over the lifetime of the project there will be a wide range of direct, indirect and induced local jobs, from highly skilled to more manual roles. These jobs will be with the project team itself, as well as with businesses and contractors across the supply chain. The initial socio-economic benefit study has put the total number of annual full-time equivalent (FTE)* local jobs at around 4000.

While in relation to local supply chain opportunities, the study calculated that the gross value add (GVA)** for the local area as a result of North Falls could be up to £400 million for the lifetime of the project across the supply chain.

* Annual full-time equivalent (FTE) is a unit to measure employed people in a way that makes them comparable although they may work a different number of hours per week.
** Gross value add (GVA) measures the contribution to the economy of each individual producer, industry or sector.

AT A GLANCE

150km²
TOTAL AREA OF TURBINE ARRAYS

UP TO **72**
MAXIMUM NUMBER OF TURBINES

22.5km
DISTANCE TO SHORE (CLOSEST)

2
MAXIMUM NUMBER OF OFFSHORE SUBSTATION PLATFORMS

£400
MILLION GROSS VALUE ADD FOR THE LOCAL AREA

4,000
ANNUAL FULL-TIME EQUIVALENT JOBS

24km
LENGTH OF ONSHORE CABLE ROUTE

ADDITIONAL BENEFITS

MORE THAN **£1.5bn**
POTENTIAL INVESTMENT IN UK ENERGY INFRASTRUCTURE

50GW
CONTRIBUTING TO THE UK GOVERNMENT'S AMBITIONS OF 50GW OFFSHORE WIND BY 2030

400,000
HOMES EQUIVALENT TO BE PROVIDED WITH CLEAN GREEN ENERGY

FIND OUT MORE

For more information on the project visit
www.northfallsoffshore.com

CONTACT US

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