

# DOGGER BANK WIND FARMS

BY



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## Construction commences for Dogger Bank

***One of the UK's leading civil engineering contractors puts first spade in the ground as construction kicks off for world's largest offshore wind farm***

Construction on the world's largest offshore wind farm has taken place this week near the coastal village of Ulrome, East Riding of Yorkshire, England.

Dogger Bank Wind Farms, a joint venture between SSE Renewables and Equinor, is made up of three offshore wind farm sites in the North Sea, totalling 3.6 gigawatts (GW): Creyke Beck A (1.2GW), Creyke Beck B (1.2GW) and Teesside A (1.2GW). All three sites were successful in the UK's September 2019 Contracts for Difference (CfD) auctions.

The wind farm will make use of the world's most powerful turbine, GE's Haliade-X, and will be capable of generating enough renewable energy for over 4.5 million homes each year.

Jones Bros Civil Engineering, one of the UK's leading civil engineering contractors, headquartered in Ruthin, North Wales, has been awarded the contract to install the onshore cable infrastructure for the Creyke Beck A and Creyke Beck B sites. The works will also involve completing bulk earthworks at the onshore HVDC convertor station locations in East Riding.

The onshore infrastructure includes the installation of approximately 20 miles of electrical cables within ducts. The ducts will be installed within trenches and where required via drilling under existing infrastructure and natural obstacles.

The completed onshore cable will transport the power generated by the two offshore wind farm sites, Creyke Beck A and Creyke Beck B from the landfall point at Ulrome to the new convertor stations (one per project) in the south of Beverley. The cable route will connect to the existing National Grid substation at Creyke Beck, Cottingham.

The works contract also includes vegetation clearance, preparing access junctions and construction of a temporary access road to facilitate the main works, and installation of pre- and post-construction land drainage.

The full works are expected to take approximately two years to complete.

Steve Wilson, Managing Director of Dogger Bank Wind Farms, said: “Getting the first spade in the ground is a significant milestone on any project, but for what will be the world’s largest offshore wind farm, this is a major moment for a project that has already been over a decade in the making.

“Dogger Bank Wind Farms will play a critical role in the UK’s effort to achieve net-zero through the use of low-carbon fuel sources and we’re incredibly pleased to work with one of the UK’s leading civil engineering contractors, Jones Bros, as we commence construction and start delivering Dogger Bank.”

Garod Evans, Jones Bros Contracts Director, said: “We have worked with SSE Renewables on major schemes previously and we are delighted to be developing our partnership through working with them and now Equinor on the onshore works for Dogger Bank Wind Farms.

“There will be up to 100 Jones Bros personnel, from management to apprentices and trainees, on site at the height of the works.

“This is a really significant project to be involved with and it’s exciting for us to play a part in delivering support to what will be the world’s biggest offshore wind farm.”

Halfdan Brustad, vice president for Dogger Bank in Equinor, said: “Commencing this work is an important and exciting milestone for the successful delivery of Dogger Bank.”

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### **Notes to Editors**

#### **About Dogger Bank Wind Farms:**

- Consent was granted in 2015.
- Located in the North Sea. Creyke Beck A and B are approximately 130km from the Yorkshire Coast, with Teesside A located approximately 200km offshore.
- Water depth ranges from 20m to 35m.
- Each project will have an installed capacity of 1.2GW and will be able to power 1.5 million homes. Together, the projects can generate approximately 5% of the UK’s estimated electricity demand.
- The first project is expected to achieve first power in 2023.
- The Wind Turbine Generators (WTG) will be 12+ MW.
- The WTGs will be installed on monopile foundations.
- The transmission system will be High Voltage Direct Current (HVDC) due to long distance to grid connection point.
- The Contract for Difference is a 15-year contract which will be indexed for inflation. The strike price will be paid for every MWh generated by the wind farms during the contract. After the CfD contract ends, the projects will receive the market price for electricity.

### **About SSE Renewables**

SSE Renewables is the leading renewable energy company across the UK and Ireland, with a portfolio of around 4GW of onshore wind, offshore wind and hydro. Part of the FTSE-listed SSE plc, its strategy is to drive the transition to a zero-carbon future through the world class development, construction and operation of renewable energy assets.

SSE Renewables owns nearly 2GW of onshore wind capacity with over 1GW under development. Its 1,450MW hydro portfolio includes 300MW of pumped storage and 750MW of flexible hydro. Its offshore wind portfolio consists of 580MW across three offshore sites, two of which it operates on behalf of its joint venture partners. SSE Renewables has the largest offshore wind development pipeline in the UK and Ireland at over 7GW.

### **About Equinor**

Equinor is developing as a broad energy company, building a material position in renewable energy.

Equinor now powers more than one million European homes with renewable offshore wind from four offshore wind farms in the United Kingdom and Germany. It is also the largest supplier of natural gas to the UK, meeting one quarter of annual demand.

Equinor is building material offshore wind clusters in the UK, the US North East and in the Baltics. The company commissioned the world's first floating offshore wind farm in 2017 off the coast of Scotland and is positioned for future floating wind options in several geographies, including UK, Norway and Asia.

### **About Jones Bros Civil Engineering UK**

Established in the 1950s, Jones Bros' leadership team consists of members of the second and third generations of the founding family. It employs more than 350 people.

As well as renewable energy projects, the company is currently working on contracts in various sectors including highways, flood and marine defence, and waste management around the UK.

The company runs an award-winning apprenticeship scheme, which has produced more than 40 per cent of its current workforce, with many of its senior managers having started out as apprentices or in a trainee role. It has recruited more than 100 apprentices during the past three years.

For more information, visit <https://www.jones-bros.com>