

DOGGER BANK NEWS

East Riding Edition - Summer 2024

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DOGGER BANK
WIND FARM



equinor



Hello

In this summer 2024 edition of Dogger Bank News you'll find information on how we're progressing with building the world's largest offshore wind farm and how our community investment programme is making a difference to the lives of young people and community groups in your area.

We're also celebrating a number of very significant milestones, not least the installation of the first of our wind turbines at Dogger Bank A in October last year.

We now have clean, wind powered electricity flowing from them to our onshore convertor station site in East Riding of Yorkshire.

Work continues at this site as we make our final preparations for the second of our East Riding convertor stations to start operating in 2025.

With all of our cables now installed in East Riding, our civil engineering specialists are focusing on reinstatement works in the area at this time.

The last year has also been important for the continued rollout of our community investment programme.

It's been great to see our supply chain continuing to collaborate with us on our community investment work this year, providing valuable insight to teachers of science, technology, engineering and maths, to help bring careers to life in the classroom.

I hope you enjoy our latest newsletter and I'd like to take the opportunity to thank you for your continued understanding and patience as we build the infrastructure that will be the cornerstone of our net zero world.



Alan Borland
Senior Project Manager

Second offshore substation installed



In April we safely installed the offshore HVDC substation at Dogger Bank B, the second phase of the Dogger Bank wind farm.

The substation will receive the electricity from 95 wind turbines before converting it for onward transmission to the onshore convertor station near Beverley in East Riding of Yorkshire.

Three years of onshore opportunity

Here in East Riding our civil engineering specialists, Jones Bros, have completed installation of our onshore cables from landfall at Ulrome, near Bridlington, to our convertor station near Beverley.

Having safely installed almost 100 miles of cable since early 2020, we're carrying out reinstatement works including removal of temporary haul roads and landscaping.

Our second convertor station near Beverley is now ready to receive the energy from the Dogger Bank turbines from 2025.

Transmitted from the wind farm as direct current (DC) due to the long distances involved, the convertor stations transform the power back to alternating current (AC) for onward transmission via the Grid to homes and businesses.



Marvellous milestones

We have celebrated the installation of the first wind turbines at Dogger Bank A, the first of the three phases of the wind farm.

Preparation of the turbine components takes place at the Able Seaton Port in Hartlepool, before five sets of components are loaded out on to the 'Voltaire', Jan De Nul's giant turbine installation vessel ahead of installation in the North Sea.

It's the first time that the GE Vernova 260m Haliade-X turbines have been installed, and the often choppy North Sea waters have proved extremely challenging for our team of specialist engineers at times.

A company that's played a vital role in this critical

work is East Riding-headquartered Boston Energy, securing a contract with GE Vernova to provide mechanical and electrical commissioning and completion activities, involving 190 of its growing workforce at its peak.

Julian Cattermole, CEO of Boston Energy, said: "We're thrilled that GE Vernova have entrusted us to deliver the onshore and offshore commissioning of this truly exciting and transformative project."

"Ge Vernova have recognised that Boston Energy has a very strong track record of delivering exceptional quality on its projects as well as ensuring it delivers to budget and to the highest safety and environmental standards."



Wind turbine components at Able Seaton

Community



'Young people are natural scientists and engineers'

We have announced a £25m commitment to our key coastal communities in the north and north-east of England, developing a long-term legacy for the Dogger Bank Wind Farm.

The investment will be delivered over Dogger Bank's 35-year operational lifespan and builds on £1million already invested during the construction phase.

Our commitment will fund projects in the East Riding of Yorkshire, Redcar and Cleveland and South Tyneside to enhance STEM (science, technology, engineering and maths) education, providing young people with the skills and knowledge to fulfil their potential in a net zero world.

The East Riding programme has been developed in Partnership with the East Riding of Yorkshire Council and local skills and education stakeholders with bespoke STEM learning programmes available to all nursery and primary schools.

Hundreds of teachers have already benefitted from STEM and careers professional development which helps them bring STEM to life in classrooms.

Hornsea Nursery is one such beneficiary of the construction phase funding. Claire White, executive headteacher for Hornsea, Beverley Manor, Bridlington and Hedon nursery schools said: "Young people are natural scientists and engineers. Their inquiring minds and fearless approach to taking things apart and discovering how they work make them the perfect age to get excited about STEM.

If we foster this enthusiasm in their early years and ensure they develop a thirst for learning subjects not

typically introduced at this age, we can ignite a passion that will endure throughout their formal education and beyond.

We can help cultivate the next generation of scientists, engineers, ecologists, architects, mathematicians and more. This is the impact and legacy of the Dogger Bank funding."

Merlin Joseph, Executive Director of children's services in East Riding said: "Through funding from Dogger Bank Wind Farm, a tailored range of opportunities is available to all primary schools and maintained nurseries in the East Riding, aiming to connect learning in schools to the jobs and opportunities of the future.



"STEM education helps children understand the breadth of career opportunities available. It also encourages children to prepare for a net-zero world and challenge themselves to live sustainable lives.

"The collaboration between education and business is leading a cultural change so children can be trailblazers in STEM and in their careers."

Our £25million investment includes growing Dogger Bank's current scholarship programme, with 30 scholarships a year for local university students studying STEM subjects. The fund will also continue to support community projects and local organisations with grants of up to £1,000. Local organisations can now submit their applications through the Dogger Bank website.

Oliver Cass, Dogger Bank's Project Director, said: "It's been our great privilege during the last three years to work with education providers and local communities to kickstart a programme of investment that is bringing long-term benefits for communities.

"It is vitally important that developers work in partnership with local communities in order to sustainably deliver the critical green energy infrastructure that will shape our future."

Over the next three years, Dogger Bank's community fund will continue to focus on the key communities of

East Riding of Yorkshire and Redcar and Cleveland where the renewable energy from the wind farm comes ashore, and South Tyneside, which is home to the wind farm's operations and maintenance base. Once the project is fully commissioned in 2026, the community fund will continue to invest in each community, with an emphasis on the South Tyneside area, where the wind farm has a long term presence.

You can find out more information about the Dogger Bank Scholarships and community grant funding by visiting www.doggerbank.com/about/community.



Discovering your past

Archaeologists working on the East Riding cable corridor are set to unveil some of their findings at two free public events.

Specialists from AOC Archaeology Group have carried out extensive excavations along the Dogger Bank cable route in East Yorkshire since 2018, building a picture of life on the land thousands of years ago.

Iron Age and Roman artefacts were among the items unearthed between our cable landfall site at Ulrome and our convertor stations near Beverley.

Rachel Lawrence, Dogger Bank's Community Engagement Manager explained: "Our public events will be a chance for us to share more of our

significant historical findings and for our key communities to find out about the process of excavating and preserving these precious objects.

"We're also working with archaeologists on a digital exhibition and have had replicas made of some of the key artefacts to enable schoolchildren and other members of the public to deepen their understanding of the local history that's been unearthed."

The first event will take place at Rickaby Village Hall, Main Street in Ulrome from 6pm on Friday 20 September 2024.

A second event will be confirmed for another East Riding venue at a later date.

Community

Supporting local ambition

The Dogger Bank Operator Fund was set up to benefit people who live within the local authority areas in which Dogger Bank operates.

Grants of up to £1,000 are available for community initiatives in our key communities of East Riding of Yorkshire, Redcar and Cleveland and South Tyneside.

We have already invested £35,000 through the fund, providing grant support to 87 local groups and projects. Funds are distributed per the needs and demands of the local area with a focus on social, economic and environmental initiatives.

The fund is available to support the charitable activities of constituted*, not-for-profit groups working

to benefit residents in the regions noted above.

John Kerry, Treasurer of Kilham Playing Fields Association, explained how support from the Operator Fund has made a difference in his community.

"The fantastic grant award from Dogger Bank provided a mower for our grass tennis courts, thereby giving children, young people and the wider community from the village the chance to take part in and enjoy sport. This is a really valued and frequently used part of our recreational facilities."

*Constituted groups have written constitutions or governing documents that are signed as adopted by the group's members and which stipulate the group produces annual accounts.



Interested in applying?

The Operator Fund is a rolling programme. We accept applications throughout the year and grants are awarded on a monthly basis.

Visit our website to find out more about the Fund and how to apply:

www.doggerbank.com/about/community

Funding evaluation

A recent independent report which looked at our wider community investment programme between 2021 and 2023 stated that the grants available to grassroots community initiatives are straightforward to access and can have a big impact in the wind farm's key community areas.

The Dogger Bank Wind Farm partners (SSE Renewables, Equinor and Vårgrønn) have taken the constructive feedback from the report's author on board during the development of the operation phase investment. You can find out more about this on page 4.



You can read the report by scanning this QR code or [clicking here](#).

DATES FOR YOUR DIARY

Dogger Bank 'D' Public Consultation

SSE Renewables and Equinor, two of the developers behind Dogger Bank, will be holding a period of public consultation on their proposals for Dogger Bank D between 10 September and 22 October 2024.

Dogger Bank D is a proposed new offshore wind farm that will connect to the UK power grid in East Yorkshire at Birkhill Wood, a new substation being developed by National Grid, located between Beverley and Cottingham.

The consultation will be open for a six week period, with responses invited until midnight on 22 October 2024.

The Dogger Bank D team are hosting eight in-person events and an online Q&A session to introduce the proposals, meet the team and have their questions answered.

From Tuesday 10 September, all consultation materials will be available to download from www.doggerbankd.com.

Alternatively, consultation materials will be available to collect from community access points or by contacting the Dogger Bank D team directly via freephone on 0800 254 5029 or by emailing a request to contact@doggerbankd.com.

IN-PERSON PUBLIC CONSULTATION EVENTS

Tuesday 17 September	10am to 2pm	Hornsea Floral Hall, Esplanade, Hornsea, HU18 1NQ
Tuesday 17 September	3pm to 7pm	Skipsea Village Hall, Bridlington Road, Skipsea, YO25 8TJ
Wednesday 18 September	2pm to 7pm	Cottingham Civic Hall, Market Green, Cottingham, HU16 5QG
Thursday 19 September	2pm to 7pm	Leven Sports Hall, North Street, Leven, HU17 5NF
Thursday 26 September	10am to 12pm	Woodmansey Village Hall, Long Lane, Beverley, HU17 0RN
Thursday 26 September	3pm to 7pm	Bishop Burton College, York Road, Bishop Burton, HU17 8QG
Friday 27 September	2pm to 7pm	Walkington Village Hall, 21 East End, Beverley, HU17 8RX
Saturday 28 September	10am to 2pm	Beverley Memorial Hall, 73-75 Lairgate, Beverley, HU17 8HN

ONLINE Q&A SESSION

Wednesday 2 October	6pm to 7.30pm	Email contact@doggerbankd.com to register your attendance
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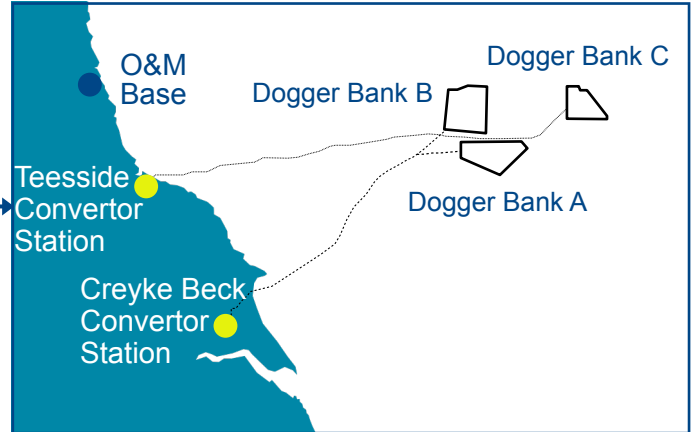


SHIPPING OUT

The 'Voltaire' specialist installation vessel is capable of carrying enough components to install up to five turbines on each sailing.

That includes up to five towers, five nacelles and fifteen turbine blades, each of which are 107m long (so longer than a football field).

We're building the world's largest offshore wind farm



Once completed in early 2027, Dogger Bank will be the world's largest offshore wind farm. Its 277 GE Haliade-X wind turbines will be capable of powering six million UK homes which is the equivalent to supplying 5% of the UK's demand.

The electricity generated will be brought ashore by subsea high voltage electricity cables and then via onshore underground cables to Converter Stations at Teesside and the East Riding of Yorkshire.

From here the electricity is sent on to the national electricity network to where it is needed.

Our long term home is at the Port of Tyne in a new purpose built net zero carbon Operations and Maintenance (O&M) base.

The state-of-the-art facilities include office and warehouse space and everything needed for the operational team to maintain and operate Dogger Bank for up to 35 years.

In addition to the buildings, the facility includes a new quay suitable for our new Service Operations Vessels which will provide transport and accommodation for the wind farm technicians.

A joint venture partnership

DOGGER BANK
WIND FARM



The Dogger Bank offshore wind farm project is a three way joint venture partnership between SSE Renewables (40%), Equinor (40%) and Vårgrønn (20%).

On behalf of the three partners, SSE Renewables is leading on the development and construction of all three phases and Equinor will operate Dogger Bank during its expected 35 year operational lifespan.

Contact. Visit. Follow



For general Dogger Bank enquiries, please email: info@doggerbank.com



For general project information and news, please visit: www.doggerbank.com



For interesting project updates and news, please follow: [@doggerbankwind](https://twitter.com/doggerbankwind)