

HORNSEA PROJECT ONE

OFFSHORE WIND FARM

Community Newsletter

July 2017



Welcome

Welcome to the latest community newsletter for Hornsea Project One Offshore Wind Farm.

At DONG Energy, we are focused on engaging with the communities in which we work. If you have any specific questions about Hornsea Project One, please get in touch using the contact details provided at the end of this newsletter.

Project facts

Once operational, Hornsea Project One will become the largest offshore wind farm in the world – the first to exceed 1GW in capacity.



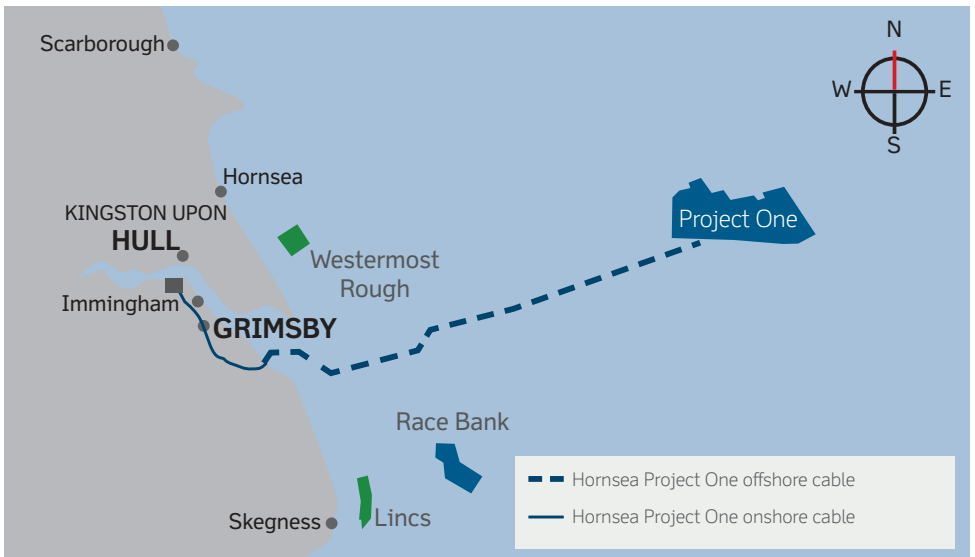
The Project will have a capacity of **1.2GW**, generated by **174** turbines.



This means that each year it will provide enough power for well over **1 million** UK homes.¹



Hornsea Project One will be located **120km** off the Yorkshire coast, in an area covering approximately 407km².



¹ Assuming a generic 42% load factor and UK annual domestic electricity consumption of 4.115MWh.

Project progress

Onshore cable works

The team are continuing to make good progress with the onshore cable installation, which started in September 2016. Enabling works are underway along the 38km route and we recently started preparing trenches, into which the cables will later be buried. The onshore cable will be installed underground to minimise disturbance to the local community.

We are very grateful to members of the local community who have contacted our Community Liaison Officer (CLO) to discuss this work. Our CLO feeds back the points raised by community members to the construction team. We would like to continue to engage with the local community in this way so your views can be heard.

Update from our Community Liaison Officer (CLO)

Below is an update from Dereth Morgan, our CLO, who continues to act as the first point of contact for members of the local community with any queries or issues regarding Hornsea Project One.

“The team are pleased with the progress that is being made with construction works for Hornsea Project One, but we are aware that you may have questions about the presence of DONG Energy in your area.

Anyone with a question or concern is encouraged to get in touch. We have had a number of good discussions with parish councils and local residents recently, and we are delighted to be getting to better know the local community.

Please don't hesitate to contact me if there is anything you would like to discuss regarding Hornsea Project One. DONG Energy is committed to engaging openly and I am here to help resolve any queries you may have.”

You can contact Dereth on **07472 617 839** or at **community@hornsea-one.co.uk**.



Landfall works

The onshore construction works are continuing to progress well, with works at landfall having now begun. As part of these works, three bores must be installed for ducts that will accommodate the offshore cables. The first two of these bores were completed in June, and the third will be installed by the end of this month.

The Hornsea Project One team have constructed a landfall bridge to facilitate their access to the intertidal area. This bridge spans the sea defence and the sand dunes within the intertidal area, which is considered to be a Site of Special Scientific Interest (SSSI).

Landfall works mark an important stage in the development of Hornsea Project One.



The landfall bridge at Horseshoe Point.

What do we mean by 'landfall'?

'Landfall' is the point where offshore and onshore infrastructure is connected. This is where the onshore cable meets the shore and is joined to the offshore cable.

Where is the landfall site?

The landfall site for Hornsea Project One is at Horseshoe Point, Marshchapel.

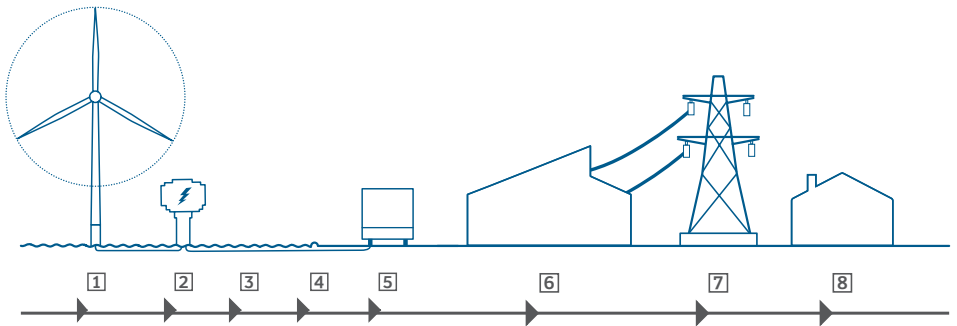
From here, the cable will run 38km to the onshore substation at North Killingholme, where power generated by the offshore wind farm will be connected to the National Grid.

What will the landfall works involve?

The construction team have begun by undertaking enabling works, to ensure the installation process can be completed in a safe and efficient manner. This has involved preparing the site through creating temporary set-down areas required for vehicles and temporary offices.

The cables will then be installed underground to minimise disruption. This will involve a trenchless installation method, whereby the cable is pulled through underground ducts.

Components of an offshore wind farm



1. **Offshore wind turbines and inter array cables**
2. **Offshore substation**
3. **Offshore export cable and landfall**
4. **Onshore export cable**
5. **DONG Energy onshore substation**
6. **Existing National Grid substation**
7. **Existing National Grid power lines**
8. **Homes**

East Coast Community Fund

DONG Energy is committed to supporting the local communities in which we work. Our offshore wind farms have the potential to benefit the whole of the UK, by helping to achieve national energy security and carbon reduction objectives. We believe that local people should get a chance to directly benefit from hosting some of the UK's largest energy infrastructure projects.

As part of this commitment, the East Coast Community Fund has been launched. This Fund is worth up to £9.3m and will support community and environmental projects in the coastal areas of Yorkshire, Lincolnshire and north Norfolk. It has been established to ensure that local communities directly benefit from our wind farms along the East Coast.

£465,000 will be available through the Fund each year for the next 20 years. £75,000 of this is ring-fenced for a skills fund, which is designed to support a range of educational and training initiatives and was launched this month.

Twenty-one highly deserving projects were announced this month as the successful recipients of a share of £195,000. The East Coast Community Fund is managed and administered on behalf of DONG Energy by independent grant-making specialists, GrantScape.


To find out more about the Fund, including how to apply, please visit www.grantscape.org.uk. You can also contact GrantScape directly by calling **01908 247634** or emailing eccf@grantscape.org.uk.

Driving a world leading supply chain

DONG Energy is committed to investing in the UK and the Humber region. We have now invested over £6 billion in the UK through the development of our offshore wind projects. In addition to this investment, our projects are demonstrating a significant positive contribution to the UK's supply chain.

Through Hornsea Project One, we are establishing a world-leading supply chain here in the UK, supporting UK businesses and the national economy.



 Hornsea Project One offshore Offshore Wind Farm

- Regional bases of our suppliers.

Hornsea Project One has established a supply chain of businesses based throughout the UK.



Significant contract signings

Recently we have celebrated a number of significant contracts, such as with SeaRoc for their SeaHub containerised offshore communication solution and SeaPlanner marine management system. Below is another recent example.

Gulf Marine Services UK

As well as becoming the world's largest offshore wind farm, Hornsea Project One will be located 120km off the Yorkshire coast, making it the furthest offshore wind farm ever built by DONG Energy. This presents new challenges that require innovative solutions. For instance, Hornsea Project One's distance from shore means that it would be very time costly for members of the offshore construction and commissioning teams to travel to and from the offshore site every day.

In response to this, DONG Energy has enlisted Aberdeen-based Gulf Marine Services UK (GMS) to provide offshore accommodation for workers. This will involve two accommodation jack-up vessels, sleeping up to 150 technicians in total. The vessels will provide accommodation and access to the various offshore sites, enabling a safe and efficient construction process.

The vessels will serve as an offshore hub, allowing technicians working on all offshore areas of the wind farm to stay on the same vessel.

This is an example of how we are building a world-class supply chain to innovatively tackle the new challenges facing the offshore wind industry.



An example of an offshore jack up vessel.

The East Coast Hub

The East Coast Hub (ECH) will be DONG Energy's Operations and Maintenance (O&M) base for the East coast of the UK, based in the Royal Docks in Grimsby.

The new facility will be an extension of the current facility which has been serving Westermost Rough since 2015. The ECH will support Westermost Rough, Race Bank, Lincs and Hornsea Project One offshore wind farms. The hub will include the Marine Helicopter Coordination Centre (MHCC) which will be capable of providing 24/7 service to offshore operations across the UK and beyond.



The proposed ECH site.

Planning consent for the building has been granted and construction is due to start later this year.

Contact us

To find out more or to ask any questions about Hornsea Project One Offshore Wind Farm:



Call the Freephone Project information line on **0800 111 4478**
(9am to 5pm, Mon-Fri, with an answer phone facility to take calls
outside of these hours)



Email the enquiries address:
HornseaProjectOne@dongenergy.co.uk



Visit the Project website: **www.hornseaprojectone.co.uk**



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