

Hornsea Project Three Offshore Wind Farm Development

Have your say - Consultation open from 27 July 2017 to 20 September 2017

Formal Consultation period

Your opportunity to feedback on our proposed offshore wind farm. This document contains details of our proposals, our upcoming events and how to take part in this consultation.

We are proposing to develop a new offshore wind farm (Hornsea Project Three) located over 120 km off the north Norfolk coast. This will connect into Norwich Main National Grid Substation, just south of Norwich. Hornsea Project Three will be capable of generating up to 2.4 gigawatts (GW) of electricity, enough power to meet the average daily needs of well over 2 million UK homes.

Your feedback is important

This formal consultation is another opportunity for you to influence our proposal. All the feedback received during this consultation period will be considered by the Project and will help to shape the final design that we submit to the Planning Inspectorate in 2018. The feedback we receive will be summarised in the accompanying Consultation Report.

What are we asking you to comment on?

We would like you to tell us your thoughts on our proposed development, including where we intend to build it, how we intend to build it and how we are proposing to reduce any potential environmental effects where this can currently be identified.

This includes your thoughts on the;

- Overall project proposal;
- Offshore array area, located approximately 120 km from the coast (where the offshore wind turbines, array and interconnector cables, offshore substation/s and offshore accommodation platforms will be situated);
- Offshore export cable corridor, between the array area and landfall, where the export cables will be laid/buried;
- Landfall zone, located at Weybourne (where the export cables are brought ashore);
- Onshore cable corridor search area (where the export cables will be buried from the landfall routed via the onshore substation/s and connected finally to National Grid's Norwich Main substation);
- Proposed onshore HVAC booster station;
- Proposed onshore substation (HVAC substation/HVDC convertor station) near Norwich Main substation; and
- Areas identified for temporary construction compounds and potential access routes along the onshore cable route.

Get involved

There are lots of ways you can find out more about our proposal and have your say before the consultation closes on 20 September 2017.

- Visit our website (www.dongenergy.co.uk/hornseaproject3) to view all our technical documents, as well as our export cable route and onshore infrastructure using our interactive map.
- Attend one of our September community consultation events where you can meet members of the Project team. We can talk you through our proposal and answer any questions you may have (details listed at the end of this document).
- Visit one of our Community Access Points (CAP sites) where you can find the latest documents (details listed at the end of this document).
- Contact us directly via the Freephone line, email address or write to us to request printed copies of the consultation materials (fee applied for hard copies of reports), electronic copies of the technical reports or ask us questions.

This consultation

Public consultation for Hornsea Project Three commenced in 2016 and consultation will continue up to the point of consent application submission in 2018. To develop our proposal, we have considered the outputs from;

- Ongoing discussions with the local authorities, specialist groups, local representatives and community groups;
- Feedback gathered at our community consultation events (Autumn 2016, Spring 2017);
- Findings from environmental, technical and feasibility studies.

In this consultation (27 July 2017 to 20 September 2017), we are asking you to comment on the findings of initial surveys and assessments (detailed in our Preliminary Environmental Information Report (PEIR)) and for you to let us know your thoughts on the proposed Project. The proposed Project and PEIR will also be shown at the September Community Consultation events. This is your opportunity to let us know what you think and make us aware of any other factors we need to consider as we shape the final design that we will submit to the Planning Inspectorate in 2018.

Please note that certain survey work is ongoing and will continue to feed into our refinement process along with the results of this round of consultation.

Our proposal

Offshore

Up to 342 offshore wind turbines, with a tip height of up to 325 metres, their foundations and up to 19 offshore platforms will be located in the eastern portion of the former Hornsea Round 3 Zone, which has a total area of 696 km² and is located approximately 120 km northeast of the Norfolk coast and 160 km east of the Yorkshire coast.

The offshore platforms (depending on final design) will accommodate either;

- A high voltage alternating current (HVAC) transmission system consisting of up to 12 transformer substations and up to 3 accommodation platforms, or
- A high voltage direct current (HVDC) consisting of up to 12 transformer substations, up to 4 offshore HVDC converter platforms, and up to 3 accommodation platforms.

A network of subsea array cables will connect the wind turbines, offshore substations, offshore converter stations and offshore accommodation platforms. Electricity generated at the offshore wind farm will be transmitted to shore by up to 6 subsea export cables within a corridor currently approximately 1.5 km of width (via either a HVAC or HVDC electrical connection) running in a south-westerly direction for approximately 145 km, from the south-western boundary of the array area to the proposed landfall at Weybourne in North Norfolk, which may connect with the offshore HVAC booster station(s) (if required) at locations within the offshore cable route.

You can view the offshore plans on our website (www.dongenergy.co.uk/hornseaproject3) or at one of the locations listed at the end of this document.



Onshore cable corridor

Onshore export cables will be buried in up to 6 trenches, running in a south / south-westerly direction from the proposed landfall area at Weybourne in north Norfolk for approximately 55 km, before connecting into the existing Norwich Main National Grid substation, located between Swardeston and Stoke Holy Cross in south Norfolk. The Project is currently consulting on a 200 m onshore cable corridor, however, this will be further refined to an 80 m cable corridor for the final application, of which 20 m will be used for temporary working areas.

Landfall

At landfall, the subsea export cables will cross underneath the beach and terminate at the onshore electrical cable transition joint bays. Up to 8 of these joint bays, located underground, will house the connections between the offshore subsea export cables and the onshore underground export cables. Along the cable route there will be jointing pits (including link boxes) which will connect the export cables to the substation.



Onshore HVAC booster station

An onshore HVAC booster station may be required, in addition to or instead of an offshore HVAC booster station, should a HVAC electrical transmission be chosen in the later Project design (this is a post-consent decision). The proposed onshore HVAC booster station option, previously referred to as Option C, now known as Little Barningham, will be connected to export cables buried underground from the landfall at Weybourne to the onshore substation, pending detailed Project design. The onshore HVAC booster station could require an area of up to 25,000 m² and could be up to 12.5 m in height.

Onshore substation

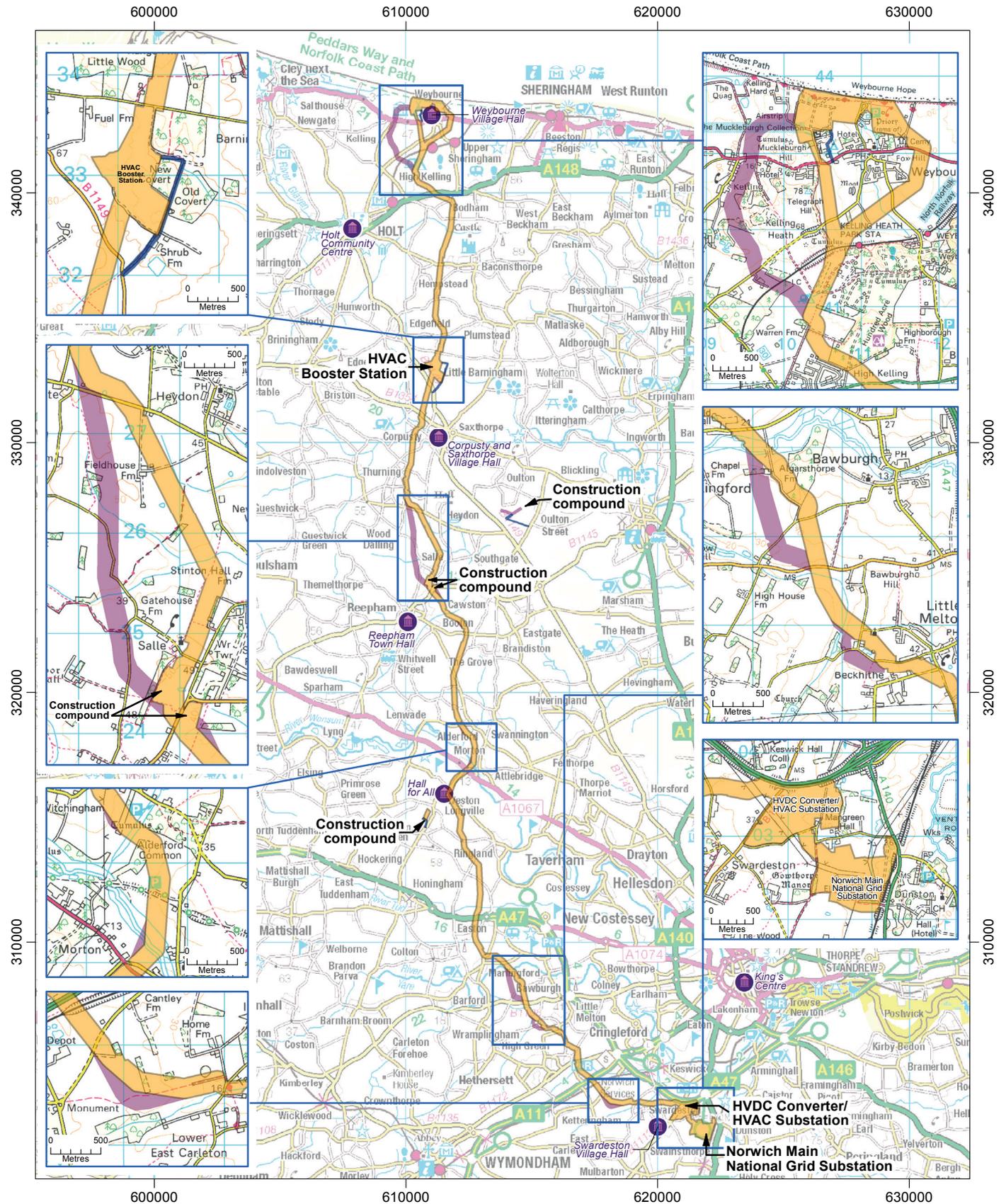
A new onshore substation (HVDC converter/HVAC substation) will be required near Norwich Main National Grid substation (also referred to as Dunston/ Mangreen). This substation will convert and connect the export cables that originated from the landfall at Weybourne to the final National Grid connection at Norwich Main. The onshore substation could require an area of up to 128,000 m² of permanent land take, which includes area for visual mitigation and could be up to 25 m in height.

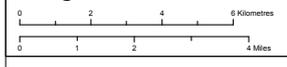
For both the onshore HVAC booster station (if required) and onshore substation, this will include;

- The construction of auxiliary equipment, support buildings, private roads and hardstanding.
- The construction of temporary haul roads and temporary access tracks, used for constructing the underground export cables connecting the underground electrical cable transition pits to the Norwich Main National Grid substation.
- Associated and/or ancillary works including: archaeological and ground investigations, drainage works; improvements to the verges, highways and private access roads; works to alter the position of apparatus, including mains, sewers, drains and cables; works affecting non-navigable rivers, streams or watercourses; landscaping and other works to mitigate any adverse effects of the construction, operation, maintenance or decommissioning of the authorised project, including but not limited to ecological monitoring and mitigation works.

Indicative visualisations of the onshore substation and onshore HVAC booster station will be available to view at our next round of community consultation events in September.

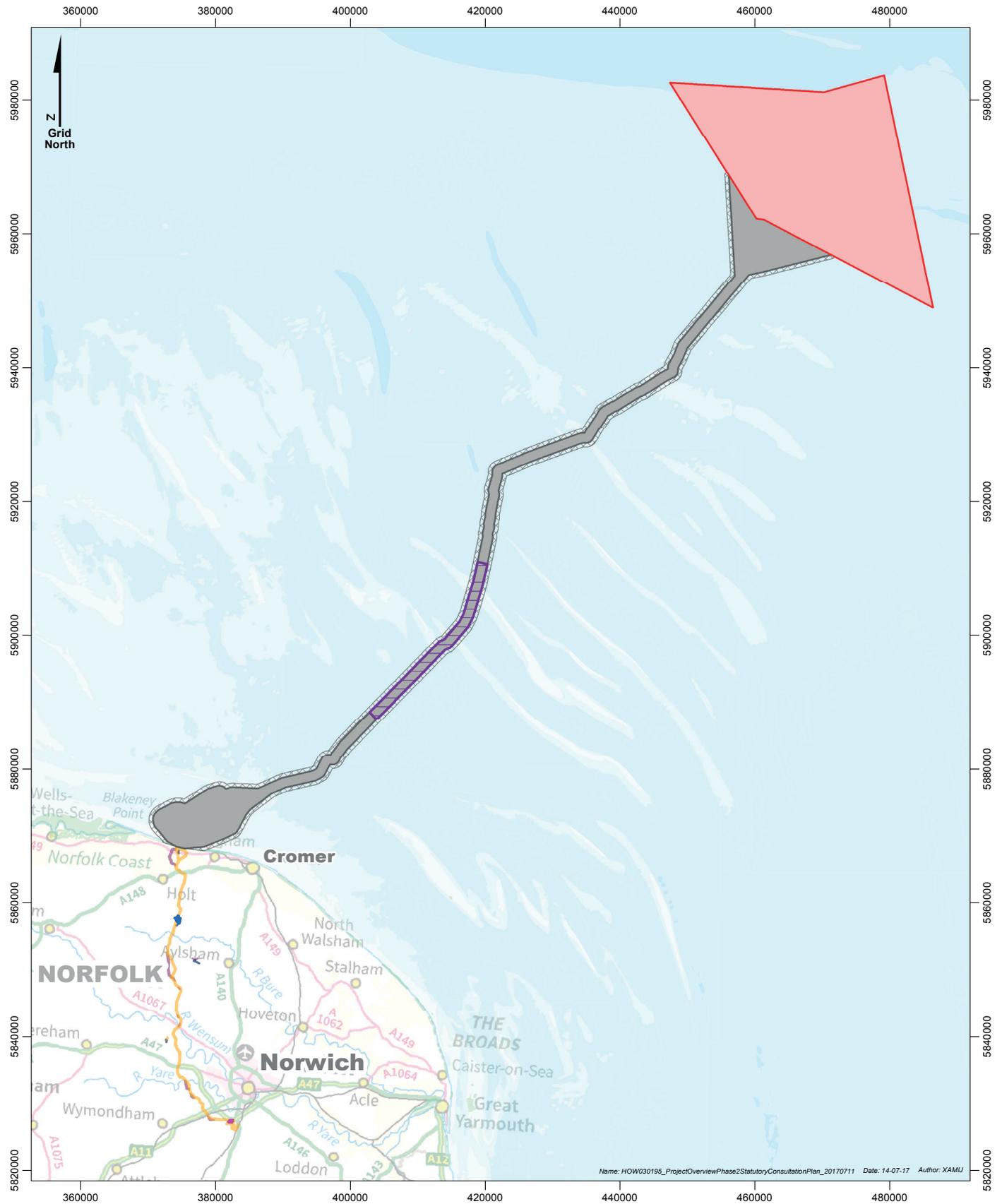
Hornsea Project Three - Onshore Statutory Consultation Plan



<ul style="list-style-type: none">  Event Venue  PEIR boundary  Alternative routes & compounds being considered  Potential access route 	<p>N Grid North</p> 	<p>Coordinate system: British National Grid Vertical reference: ODN Scale @ A4: 1:200000</p>  <p>Hornsea Project Three Phase 2 Onshore Statutory Consultation Plan</p> <p>Document no: HOW030197 Created by: XAMUJ Checked by: KIEBE Approved by: RICGR</p> 
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Name: HOW030197_Phase2StatutoryConsultationOverviewMap_20170713 Date: 14-07-17 Author: XAMUJ
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Hornsea Project Three - Project Overview Statutory Consultation Plan



Offshore

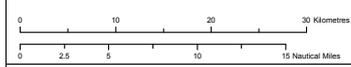
- Turbine Array Area
- Hornsea Three offshore cable corridor search area
- Temporary Working Area
- Offshore HVAC Booster Station Search Area

Onshore

- PEIR boundary
- Potential access route
- Onshore HVDC Converter/HVAC Substation
- Alternative routes being considered
- Onshore HVAC Booster Station



Coordinate system: ETRS 1989 UTM Zone 31N
Scale @ A4: 1:750000



Hornsea Project Three Phase 2 - Project Overview Statutory Consultation Plan

Name: HOW030195_ProjectOverviewPhase2StatutoryConsultationPlan_20170711 Date: 14-07-17 Author: XAMUJ
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Landowners and occupiers

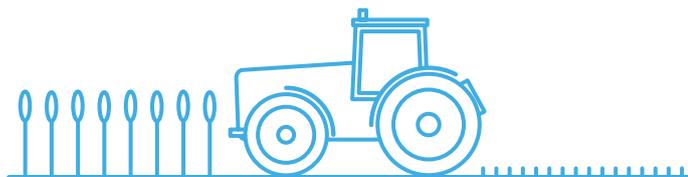
We have been engaging with individual landowners and occupiers along the proposed route to secure access for surveys and to seek their feedback on our proposal. All landowners and occupiers will be contacted formally at the start of the consultation with details of where to find more information and how to respond.

For landowner specific questions, please contact our Land Agents, Dalcour Maclaren:

Email: HornseaProjectThree@dalcourmaclaren.com

Dedicated phone line: **0333 2413 455**

Alternatively, come to one of our community consultation events, where representatives from our site & land rights team will be on hand to speak directly with you.



Technical documents

The findings from all the environmental assessments we have carried out to develop our proposal are detailed in our PEIR, which can be viewed on our website. This is a technical report which provides details of the project proposal and explains what effects we believe our proposals would have on the environment. It also provides some details in terms of how we plan to minimise these effects where appropriate.

You can view the full report, including detailed plans on our website, at our community consultation events and at the locations listed at the end of this document.

Responding to this consultation

Have your say on our proposed development. You can respond to this consultation

- **By email:**
HornseaProjectThree@dongenergy.co.uk
- **By post:**
Hornsea Project Three Offshore Wind Farm, DONG Energy, 5 Howick Place, London, SW1P 1WG
- **By completing a feedback form at our events or online via the Project webpage.**

The deadline for responding to this consultation is 20 September 2017.

Please note that responses and other representations may be made public.

Venue	Date	Event Time
Swardeston Village Hall, The Common, Swardeston Common, NR14 8DX	Monday 4th September	3pm - 7pm
King's Centre, King Street, Norwich, NR1 1PH	Tuesday 5th September	4pm - 7:30pm
Corpusty and Saxthorpe Village Hall, Heydon Road, Corpusty, NR11 6QQ	Wednesday 6th September	4pm - 8pm
Weybourne Village Hall, Beach Lane, Weybourne, NR25 7AH	Thursday 7th September	3:30pm - 7:30pm
Reepham Town Hall, Church Street, Reepham, NR10 4JW	Friday 8th September	3:30pm - 7:30pm
Hall for All, Church Street, Weston Longville, NR9 5JU	Tuesday 12th September	4pm - 7:30pm
Holt Community Centre, Kerridge Way, Holt, NR25 6DN	Wednesday 13th September	4pm - 7:30pm

Next steps

After the consultation closes on 20 September 2017, we will review all the feedback we have received and will incorporate your comments where possible into the final design which we will submit to the Planning Inspectorate in 2018.

A Consultation Report will be produced and submitted as part of our application. This report will provide a summary of the responses received and will explain how we have taken feedback into account in developing our final proposal.

What happens after we submit our application?

After submitting our application, the Planning Inspectorate has 28 days to accept the application and decide if it can proceed to the examination stage.



If the application is accepted, people wishing to be involved in the examination will be invited to register their interest with the Planning Inspectorate*.



Anyone who has registered their interest will be invited to submit their views on our proposals in writing and may be asked to speak at one of the public hearings that are held.



The Planning Inspectorate will hold an examination. Once the examination is finished, the Planning Inspectorate then has three months to make a recommendation to the Secretary of State for Business, Energy and Industrial Strategy. The Secretary of State then has a further three months to make a final decision on whether to grant consent.



If approved, construction of Hornsea Project Three could start in 2021, and it could begin producing electricity as early as 2025.



*Please note that this is separate to the "Register Your Interest" form on the Hornsea Project Three website. This will be managed by The Planning Inspectorate via their website as part of the formal section 42 consultation process (<https://infrastructure.planninginspectorate.gov.uk/projects/eastern/hornsea-project-three-offshore-wind-farm/>).

Our events – come and meet the team

Come to one of our community consultation events, where you can view the latest plans and speak directly with members of the Project team.

View our documents

Documents, plans and maps showing the nature and location of Hornsea Project Three, including the Preliminary Environmental Information Report (with a non-technical summary) can be accessed free of charge during Phase 2 Consultation, from 27 July 2017 until 20 September 2017, at the places and times set out below:

Consultation collection point	Opening times
North Norfolk District Council, Council Offices, Holt Road, Cromer, Norfolk, NR27 9EN	Mon, Tues and Thurs: 8:30am-5pm, Wed: 10am-5pm, Fri: 8:30am-4:30pm
Broadland District Council, 1 Yarmouth Road, Thorpe St Andrew, Norwich, NR7 ODU	Mon-Fri: 8:30am-5pm
South Norfolk District Council, South Norfolk House, Cygnet Court, Long Stratton, Norwich, NR15 2XE	Mon-Fri: 8:15am-5pm
Broads Authority, Yare House, 62-64 Thorpe Road, Norwich, NR1 1RY	Mon-Fri: 9am-5pm
Breckland District Council, Elizabeth House, Walpole Loke, Dereham, NR19 1EE	Mon-Thurs: 8am-6pm
Great Yarmouth Borough Council, Town Hall, Hall Plain, Great Yarmouth, NR30 2QF	Mon-Fri: 9am-5pm
Norwich City Council, City Hall, St Peters Street, Norwich, NR2 1NH	Mon-Fri: 8am-5pm, Customer Centre: Mon, Tues, Thurs and Fri: 8:45am-5pm, Wed: 1pm-5pm
Norfolk County Council, County Hall, Martineau Lane, Norwich, Norfolk, NR1 2DH	Mon-Fri 9am-5pm
Holt Library, 9 Church Street, Holt, NR25 6BB	Mon-Wed: 9.30am-1pm, Fri: 9.30am-6pm, Sat: 9.30am-1pm
Reepham Library, Bircham Institute, Market Place, Norwich, NR10 4JJ	Mon: 2pm-7pm, Wed: 9.30am-1pm & 2pm-5pm, Fri: 10am-1pm & 2pm-5pm, Sat: 9.30am-12.30pm.
Hethersett Library, Queens Road, Hethersett, Norwich, NR9 3DB	Mon: 8am-5pm, Wed: 8am-5pm, Thurs: 8am-7pm, Fri: 8am-5pm, Sat: 8am-1pm.
Poringland Library, Overtons Way, Poringland, Norwich, NR14 7WB	Mon: 9am-1pm & 2pm-5pm, Tues: 9am-1pm, Wed: 2pm-5pm, Thurs 2pm-8pm, Fri: 9am-1pm & 2pm-5pm, Sat: 9am-1pm
Taverham Library, 9 Sandy Lane, Taverham, Norwich, NR8 6JR	Mon: 9am-5pm, Tues: 2pm-5pm, Wed: 9am-1pm, Thurs: 2pm-7.30pm, Fri: 2pm-5pm, Sat: 9.30am-1pm
Norfolk and Norwich Millennium Library, The Forum, Millennium Plain, Norwich, NR2 1AW*	Mon-Fri: 10am-7pm, Sat: 9am-5pm

*A printed copy of the Preliminary Environmental Information Report is available at this single location.



Project contact details

 **Visit our website:**
www.dongenergy.co.uk/hornseaproject3

 **Send us an email:**
contact@hornsea-project-three.co.uk

 **Call our Freephone information line:**
0800 0288 466

 **Send us a letter:**
Hornsea Project Three Offshore
Wind Farm,
c/o Emily Woolfenden,
DONG Energy Power (UK) Ltd,
5 Howick Place, Victoria,
London, SW1P 1WG

Should you require this document in large print, audio or Braille then please call **0800 111 4478**.

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