

From: [REDACTED]
To: [Dogger Bank South](#)
Subject: RE: Inclusion of hyperlinks [ADDGDD-LIVE.FID4596770]
Date: 24 March 2025 10:38:18
Attachments: [REDACTED]

Good morning Caroline

With regards to the hyperlink in response to BGC.1.3, this was included for general information and therefore reviewing the contents is not critical.

With regards to the hyperlink in response to BGC.1.7, please see attached an extract of the relevant information referred to. The extract comes from the Development Design Report for the North Humber to High Marham project which was published on National Grid's website in February 2025. It has been included in the response to demonstrate that the Birkhill Wood substation project is being taken forward and provide further details as to what is being proposed.

Please let me know if you require any further information or whether we need to make any further separate submissions.

Kind regards

Charlotte

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From: Dogger Bank South <DoggerBankSouth@planninginspectorate.gov.uk>
Sent: 24 March 2025 10:09
To: [REDACTED] [REDACTED]@addleshawgoddard.com>
Cc: Dogger Bank South <DoggerBankSouth@planninginspectorate.gov.uk>
Subject: Inclusion of hyperlinks
Importance: High

Good morning,

Thank you for your submissions in relation to the Dogger Bank South Offshore Wind Farm project for Deadline 3.

We note that your response to written questions includes a number of hyperlinks.

Please note the Inspectorate's guidance on the inclusion of hyperlinks is as follows:

Hyperlinks will be deactivated before they are published so will not be seen by the Examining Authority. You can include hyperlinks to documents on our website, other government websites that have a gov.uk address or other limited professional websites such as the Royal Town Planning Institute (RTPI). You must explain why this has been included in your comment and the date that you accessed it. If you want to include information from another website you can include this as a separate document (annex) with a copy of the information, but you must include details of where the information has come from and the date you accessed the information. You must also be aware of any copyright restrictions. It is better to include just the relevant section of the information (an extract) in your comment rather than include a long document. You should clearly explain the reasons why the information is relevant.

If you wish to resubmit the relevant information (for example as standalone PDF's or screen shots) please email these to DoggerBankSouth@planninginspectorate.gov.uk for the attention of the Examining Authority.

Kind regards

Caroline



Caroline Hopewell (pronouns [REDACTED])
Case Manager (please note I work part time, my usual
working days are Tuesday – Friday)
Planning Inspectorate
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7.8 Birkhill Wood Substation

Overview

- 7.8.1 The existing Creyke Beck 400kV substation does not have sufficient capacity to accommodate new customers requiring a connection to the electricity network. National Grid has therefore identified the need for a new substation close to the existing Creyke Beck substation to connect a number of new customers. The new substation will also serve as the connection point for the Project.
- 7.8.2 The proposed development would comprise a new 400kV gas insulated substation (GIS) and associated works, comprising:
- A new 400kV GIS substation (operational footprint of 2.5ha) containing:
 - 400kV GIS equipment building/switch house with attached annex to house protection and control, ancillary equipment and welfare facilities;
 - Customer protection and control rooms;
 - Gas insulated and air insulated switchgear;
 - Gantries to interface between overhead line and substation;
 - Backup generator;
 - Water tank (for emergency fire-fighting purposes);
 - Ground deployed solar array to support the substation building services power supply;
 - Foul water cess pit;
 - Lighting columns and CCTV equipment;
 - Electrified fence around the perimeter;
 - Carparking;
 - 11kV/415V Utility Distribution Equipment enclosure;
 - Ground treatment comprising loose stone and gravel substrata with hardstanding buildings and transmission assets.
 - A new vehicular access off the A1079 and approximately 1.2km of new permanent access road to serve the new and existing substation, including new culvert crossings over ditches. (Note: The vehicular access and the first 0.7km of the access road has already been consented through the Hornsea Four DCO);
 - Temporary haul road, construction compounds and laydown areas;
 - Drainage, landscaping and areas for biodiversity net gain provision;
 - Removal of the existing wind turbine southwest of the proposed Birkhill Wood substation site to facilitate the substation development.
- 7.8.3 Due to the number of developments and customers connecting in the Creyke Beck area and the given constraints, there is not an area large enough to accommodate an AIS substation. A GIS substation is therefore proposed.

- 7.8.4 Overhead line works are also proposed, including the erection of two new pylons along the existing overhead line alignment which are required to turn-in the existing 400kV 4ZR overhead line into the new substation. These works benefit from permitted development rights under Part 15 Class B (a) of the General Permitted Development Order (GPDO) 2015 (as amended) and therefore will not form part of the planning application submission.

Substation Site and Design

- 7.8.5 The substation site is located to the north-west of the existing Creyke Beck 400kV substation and approximately 3km north of the town of Cottingham. The substation site is located within a relatively flat open landscape with agricultural land making up most of the land use. The site is located approximately 1.4km east of the Yorkshire Wolds Important Landscape Area. The existing 4ZR overhead line is closely located to the north of the site, and the existing 4ZQ overhead line is located in close proximity to the south.
- 7.8.6 The substation has an operational footprint of approximately 2.5ha and comprises GIS substation equipment contained within a single switchroom building. The substation building has a slanted roof, which at its highest point measures approximately 12.8m. The switchroom building measures approximately 1,982.4m². A smaller lean-to structure adjoins the GIS switchroom, containing all control rooms and welfare facilities. This structure measures a height of approximately 4m, and has a footprint of approximately 885m². Within the substation compound lies external intermediate support structures and ancillary infrastructure.
- 7.8.7 The security perimeter for the substation site will include a physical barrier. The physical barrier will consist of a National Protective Security Authority (NPSA) rated perimeter fence, fitted with an Electric Perimeter Intruder Detection (EPID) System, up to 4m from the ground.
- 7.8.8 Exterior and interior lighting will be provided at the substation site to allow for safe movement of vehicles (using their headlights) and pedestrians, and the operation of plant and equipment. For inspection and maintenance activities at night or low levels of daylight, additional portable lighting equipment may be used in localised areas. Light pollution will be kept to a minimum via the use of directable light output. Individual Passive Infrared (PIR) motion sensor “instant on” lights will be used at each access gate to facilitate safe entry at night or low levels of daylight.
- 7.8.9 Specific security lighting will be installed at the substation site, to complement the security equipment, such as CCTV cameras. The security lighting will provide flat and even illumination under alarm conditions.

7.9 High Marnham Substation

Overview

- 7.9.1 The High Marnham substation, and associated modifications to overhead lines, will form part of a wider project to reinforce the network between South Yorkshire and the North Midlands area known as the Brinsworth to High Marnham Project. The new High Marnham substation will also connect a number of new customers playing an important role in building a more secure and resilient future energy system.