

Hornsea Offshore Wind Farm – Project Two
ExA Second Round of Written Questions
National Grid Responses

Question to:		Question:
CL20	National Grid; Northern Power Gen	Please comment on: a) the capacity of the North Killingholme National Grid Sub-station to receive electrical power from the C.Gen Power Station and the Hornsea Project 1 and Hornsea Project 2 substations, in both HVAC and HVDC modes; b) if the technical issues of routing and connecting power cables through the restricted area to the north of the sub-station can be overcome; and c) the steps that need to be taken to ensure that this is achievable.
CL21	applicant, Hornsea Project 1, C. Gen, National Grid	Please advise on the possibility and practicability of a four-way SoCG to progress the securing of cable access routes for all relevant parties to the North Killingholme National Grid Sub-station and outline the mechanisms by which agreement will be secured on the routes and connections to the National Grid from C.Gen, Hornsea Project 1, Hornsea Project 2 and NGET.

CL20

a)

Killingholme substation has sufficient capacity to receive power from C.Gen, Hornsea 1, and Hornsea 2 based on the current contracted background.

The Applicant has referred to the content of a letter from National Grid, dated 8th October 2014. National Grid wishes to clarify that the statements in this letter are based on the contracted generation background at the time and that any future revisions to capacity requirements will require National Grid to reassess network requirements

b)

NG is committed to assisting its customers and must have regard to its commercial obligations to connect generators however it cannot compromise its position in relation to the protection of existing assets and statutory obligations to maintain those assets. For that reason NG must retain absolute discretion over cable routes through the overhead line pylons to the substation. Routing any cable through NG's overhead line pylons to the north of Killingholme substation must be as a last resort. It is not possible for NG to approve or commit to any cabling route between the overhead line pylons at this stage as it has not received sufficient information relating to detailed design of the cables and routes, requirements for maintenance of and access to cables, construction methodology, survey information and the potential depths of excavations. It is therefore not possible at this stage to assess the impacts on pylon foundations and it is unclear how this will affect the safety clearances for maintenance and safety purposes.

c)

National Grid has agreed Protective Provisions with the Applicant. On the basis that these are agreed between parties, National Grid is satisfied that the design work for the cable routes can be reviewed in due course, as for Hornsea P1 and C.Gen and an appropriate cable route for each customer agreed once this information is made available.

CL21

National Grid is satisfied that adequate Protective Provisions with Hornsea P2 will provide and outline an appropriate mechanism to secure agreement on the cable routes to Killingholme substation. National Grid has agreed similar Protective Provisions with both Hornsea P1 and C.Gen and it is understood that Protective Provisions have been agreed between those parties separately. National Grid therefore does not believe that a four way SoCG would add further value to relevant parties.