



AQUIND Limited

AQUIND INTERCONNECTOR

Environmental Statement Addendum 3 – Appendix 3.1 NGESO Letter to Applicant

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations
2009 – Regulation 5(2)(a)

The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017

Document Ref: 7.8.3.1

PINS Ref.: EN020022

AQUIND Limited

AQUIND INTERCONNECTOR

**Environmental Statement Addendum 3 –
Appendix 3.1 NGENSO Letter to Applicant**

PINS REF.: EN020022

DOCUMENT: 7.8.3.1

DATE: 28 APRIL 2023

WSP

WSP House

70 Chancery Lane

London

WC2A 1AF

+44 20 7314 5000

██████████

The Company Secretary
Aquind Limited
5 Stratford Place
London
W1C 1AX

National Grid ESO
Faraday House
Gallows Hill
Warwick
CV34 6DA

08 March 2022

For the attention of Kirill Glukhovskoy

Dear Sir/Madam

Request for further information from Aquind Limited following the refusal of their requested Development Consent Order for Aquind Interconnector Connecting at Lovedean 400KV Substation from National Grid Electricity System Operator Limited

I am writing today in relation to Aquind Limited's email dated on the 22nd February requesting further information regarding the connection site at Lovedean 400KV. Please find Aquind questions and our response based on the relevant TO's supporting information.

Aquind Question 1

Please can NG ESO confirm why options to the West of Lovedean required all or nearly all the same network reinforcements as a connection at Lovedean plus additional reinforcements to either get the power to Lovedean or reinforcements to the west to Exeter substation and as far northwards as Minety.

Response - we can confirm that connections west of Lovedean (i.e. Mannington, Exeter, Chickerell, etc.) would have required the same network reinforcements as a connection at Lovedean however would also have required additional reinforcements to facilitate generation (or interconnector import) connections. This is largely because of the relatively little demand in the South West, and so power flows from generation at those sites to the West will generally flow into Lovedean anyway, causing the same effect from Lovedean onwards, as well as any works required between that connection site and Lovedean. There may also have been slightly more voltage compensation required to the west, as far as Minety, as mentioned in the CION.

Aquind Question 2

Please can NG ESO confirm their understanding of whether the cancellation of Navitus Bay as a planned connection to Mannington would mean that the need for the above referred additional reinforcements to get the power to Lovedean or reinforcements to the west to Exeter substation and as far northwards as Minety would no longer be required, or if the previously stated position remains the position when taking into account the cancellation of NB as a planned connection.

Response – we can confirm that even after the termination of Navitus Bay the additional transmission reinforcement works referred to above would still have been required in order to facilitate generation connections in the region, as they were required for Navitus Bay and Aquind has a larger effect than Navitus Bay would have. This therefore means that the previously stated position remains the same even with the cancellation of Navitus Bay.

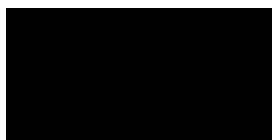
Aquind Question 3

AQUIND identified that Chickerell was taken forward for systems analysis on the basis that this was a substation at the other end of the identified search area and relatively far from the South-East network, which may have assisted with reducing overloads on the NETS as a consequence of the proposed capacity (import and export) increases. It was identified through the Feasibility Study and the CION that this was not however the case, with more overloads being identified for a connection to Chickerell than for Bramley and Lovedean. Please can NG ESO confirm their understanding of whether a connection at Mannington would have been likely to give rise to the same issues, noting its location on the 400kV transmission network relative to Chickerell.

Response – we can confirm that, as Chickerell and Mannington are adjacent to each other and on the same electrical transmission circuits, a connection at Mannington would have given rise to the same overloads and other issues as a connection at Chickerell. Therefore, if considered in the CION and Feasibility Study, this would have identified the same list of reinforcement works to address these issues. A connection at Chickerell would have also required additional reinforcement works to convert the 400 kV substation into a double busbar solution to comprise of busbar and overhead line modifications.

All communications in relation to this Offer should, in the first instance, be directed for the attention of Joseph Martin, who can be contacted by telephone on 07766775708 or by email at joseph.martin@nationalgrideso.com.

Yours faithfully,



Rebecca Yang

E&W Generation Connection Contract Manager