

**Adrian Clarke**

Marine Management Organisation

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**RE: Blyth Demonstrator Project\_Section 36 Variation Additional Information**

Dear Mr. Clarke,

Further to your email of 29 January 2021 requesting a tracked changed revision of the Section 36 Consent (last varied via application submitted on 17 June 2015), please find enclosed the requested document along with Figure 1 showing the extent of the Section 36 Consent (no changes to this extent requested).

Since the restructuring of the project further engineering design and optimisation of the windfarm has taken place, which has resulted in the need to change a number of the parameters originally consented. Therefore, on behalf of EDF Renewables, Natural Power has submitted the variations as detailed in the applications for both the Section 36 consent (ref MLA/2012/00122/3) and Marine Licence (L/2013/00303/8) for Phase 2/Array 4 Works to the MMO on 14 December 2020. In summary, the variations being applied for in regard to the Section 36 are as follows and the detailed changes to the Section 36 are as attached;

- Increase the stated maximum upper limit of individual turbine capacity from 8.5 to 14 MW, overall capacity to remain as 99.9 MW;

*Reason: To allow Contractors the option to install the next generation of turbines that will be available to the market. As a demonstration site it is important to include flexibility in the potential turbines that could be installed.*

- Increase the stated maximum tip height of each turbine generator from 195 m to 258 m above HAT;

*Reason: To allow Contractors the option to install the next generation of turbines that will be available to the market. As a demonstration site it is important to include flexibility in the potential turbines that could be installed.*

- Increase the stated maximum hub height of each turbine generator from 110 m to 140 m above HAT;

*Reason: To allow Contractors the option to install the next generation of turbines that will be available to the market. As a demonstration site it is important to include flexibility in the potential turbines that could be installed.*

In addition to the changes listed above, the marine licence is being amended to include floating foundations and associated moorings and anchors. The foundation type is not explicitly mentioned in the S.36 consent so no changes have been made to this document in that regard.

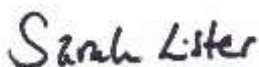
Additional documents have been produced in support of this variation application and the Marine Licence variation and have already been submitted separately to the MMO on 14 December 2020. The supporting information provides an assessment of the proposed changes against the already consented worst case scenarios and concludes in all cases

that there would be no additional likely significant environmental effects arising from the project as proposed to be varied.

Accordingly, this letter should provide the additional information requested for the variation application for the Section 36 to be compliant with the Electricity Generating Stations (Variation of Consents)(England and Wales) Regulations 2013 such that the variation applications to vary the Marine Licence (Ref: L/2013/00303/8) and the Section 36 Consent (Ref: MLA/2012/00122/3) can be published. If the MMO is in agreement with this, I would be grateful if you could let me know as soon as possible so we can serve the applications to the Council. If you could also forward on the advertising proforma template thank-you.

I would also like to provide notification to the MMO that this letter and the other variation application documentation and details have been served to Northumberland County Council on the same day of this letter (01 February 2021) and evidence of this will be forwarded to you via email, so would be grateful for a quick response.

Yours sincerely

A handwritten signature in black ink that reads 'Sarah Lister'.

Sarah Lister  
Principal Environmental Consultant

sarahl@naturalpower.com

Encl.

Section 36 Consent (MLA/2012/00122/3) previously dated 12 October 2015 with tracked updates to accommodate latest variation request.

Section 36 Consent Figure 1.

cc.

David Morris, Marine Management Organisation

Mark Hazelton, EDF Renewables

Ross Hodson, Natural Power Consultants Ltd.

**ELECTRICITY ACT 1989 (AS AMENDED)**

**MARINE MANAGEMENT ORGANISATION**

**CONSTRUCTION AND OPERATION OF A WIND FARM GENERATING STATION  
KNOWN AS BLYTH OFFSHORE DEMONSTRATION PROJECT.**

1. Pursuant to section 36 of the Electricity Act 1989 (as amended) and Section 12 of the Marine and Coastal Access Act (MCAA) 2009, the Marine Management Organisation (MMO) hereby consents to the construction and operation on the areas outlined in red on Figure 1 annexed here, of an offshore demonstration wind farm ("the Development") located approximately 5.7km (at its closest point) off the coast of Blyth, Northumberland. This consent is granted to the [Blyth Offshore Demonstrator Limited National Renewable Energy Centre \(Narec\)](#) its assigns and successors ("the Company").

Commented [MH1]: This is now the applicant on MCMS

2. Subject to condition 4 below, the Development shall not exceed the permitted generating capacity of 99.9 megawatt (MW) and comprise of:

- (a) Three turbine arrays with a maximum number of five wind turbine generators in each array;
- (b) Inter-array cabling [including dynamic cables](#); and
- (c) A maximum of three subsea export cables (one per array).

3. This consent is granted subject to the following conditions:

(a) The commencement of the construction of the Development shall not be later than the expiry of five years from ~~4 October 2013~~ [1 February 2021](#).

*Reason: To ensure the Development is constructed within a reasonable time period after consent is granted.*

(b) The Development shall be constructed in accordance with the details contained in the application of 9 March 2012 and subsequent addendum submitted on 3 June 2013, within the red line limits of Figure 1 and in accordance with the array configurations specified in section 3.2 of the Environmental Statement submitted on 9 March 2012, except to the extent set out in the letters of 17 June 2015 [and 1 February 2021 and variation applications of 14 December 2020](#).

*Reason: To ensure the Development is constructed as described in the application.*

(c) If a notice is issued by the Secretary of State pursuant to section 105(2) of the Energy Act 2004 (as amended) requiring a decommissioning programme to be submitted, then construction must not commence until the decommissioning plan is submitted and agreed by the Secretary of State.

*Reason: To ensure that a decommissioning programme is submitted to the Secretary of State before any construction work commences to allow removal of structures at the end of the operational life of the development.*

(d) The Company shall not commence construction of the Development until the MMO, in consultation with the Maritime and Coastguard Agency (MCA), is satisfied that the

Company has taken into account and adequately addressed all the MCA recommendations in the current Offshore Renewable Energy Installations Marine Guidance Note, 'Offshore Renewable Energy Installations (OREI) – Guidance on Navigational Practice, Safety and Emergency Response Issues' and any Annexes\* that may be appropriate to this Development.

\*Currently [MGN374](#)[MGN543](#)

*Reason: To ensure that an Active Safety Management System is agreed by the MMO taking into account MCA recommendations before any construction work commences and to ensure compliance with MCA navigation safety guidance.*

(e) The Company shall not commence construction of the Development until an updated Specific Navigation Risk Mitigation Plan (SNRMP) has been submitted and approved by the MMO, in consultation with the MCA.

(f) The Company shall not commence construction of the Development until an Emergency Response Co-operation Plan (ERCoP) has been submitted and approved by the MMO, in consultation with the MCA.

*Reason: To ensure the safe management of navigational risks specific to the development area.*

4. Except with the prior written approval of the MMO, each wind turbine generator forming part of the Development shall comply with the following parameters:

- (a) Comprise a three blade horizontal axis wind turbine (HAWT) design;
- (b) Have a generating capacity ranging between 5 and ~~8.5~~[14](#) MW;
- (c) Not exceed a maximum tip height of ~~195-258~~ metres (m) [above HAT](#);
- (d) Hub height shall be in the range of 90-~~110~~[140 m above HAT](#);
- (e) Not have a distance of less than 22m between the lowest point of the rotating blade of the wind turbine and the level of Mean High Water Springs;
- (f) MOD-accredited 200 candela omni-directional aviation lighting shall be installed on the nacelles of all perimeter turbines. The turbines shall be erected with this lighting installed and the lighting will remain operational until such times as the wind turbines are decommissioned and removed from site.

*Reason: To ensure the final positioning of the wind turbine generators does not compromise air and maritime navigation safety.*

5. The Company shall:

- (a) During the whole of the time from the start of construction of the Development to the time when decommissioning has been fully completed, exhibit such lights, marks, sounds, signals and other aids to navigation and take such other steps for the prevention of danger to navigation as directed by Trinity House Lighthouse Service ("Trinity House");
- (b) Colour all structures in the Development as directed by Trinity House;

(c) When appropriate provide relevant information to the MCA to assist in the timely and efficient Notice to Mariners and other navigational warnings of the position and nature of the works to be promulgated to mariners in the shipping and fishing industry as well as recreational mariners;

(d) Notify the UK Hydrographic Office (UKHO), Trinity House and Defence Geographic Centre of both the progress and completion of the works and navigational marks established at regular and agreed intervals; and

(e) Provide reports on the working condition of aids to navigation as requested by Trinity House;

*Reason: To ensure the adequate navigational marking of the Development and the provision of information to mariners, UKHO, Trinity House and Defence Geographic Centre in a timely manner.*

6. Where the Development is abandoned, or suffered to fall into decay, the MMO may by notice in writing, and following consultation with the Company, require the Company at its own expense either to repair and restore the Development or any part of it, or, if appropriate, and without prejudice to any obligations upon the Company deriving from any notice served by the Secretary of State pursuant to section 105(2) of the Energy Act 2004 (as amended), to remove the Development and restore the site of the Development to a safe and proper condition, to such an extent and within such limits as may be specified in the notice.

*Reason: To provide a mechanism to allow the MMO and Secretary of State to act on his own initiative as regards the proper maintenance of the site where the Company fails to do so.*

7. In case of damage to, or destruction or decay of the Development or any part thereof, the Company shall as soon as reasonably practicable notify the MMO and Trinity House and shall lay down such buoys, exhibit such lights and take other such steps as directed from time to time by Trinity House.

*Reason: To mitigate any dangers to navigation from any restoration, repair or removal of works.*

8. The MMO may at any time, if deemed to be expedient, order a survey and examination of the Development or of the site upon which it is proposed to construct the Development, and any expenditure incurred by the MMO in any such survey and examination shall be recoverable from the Company, save that:

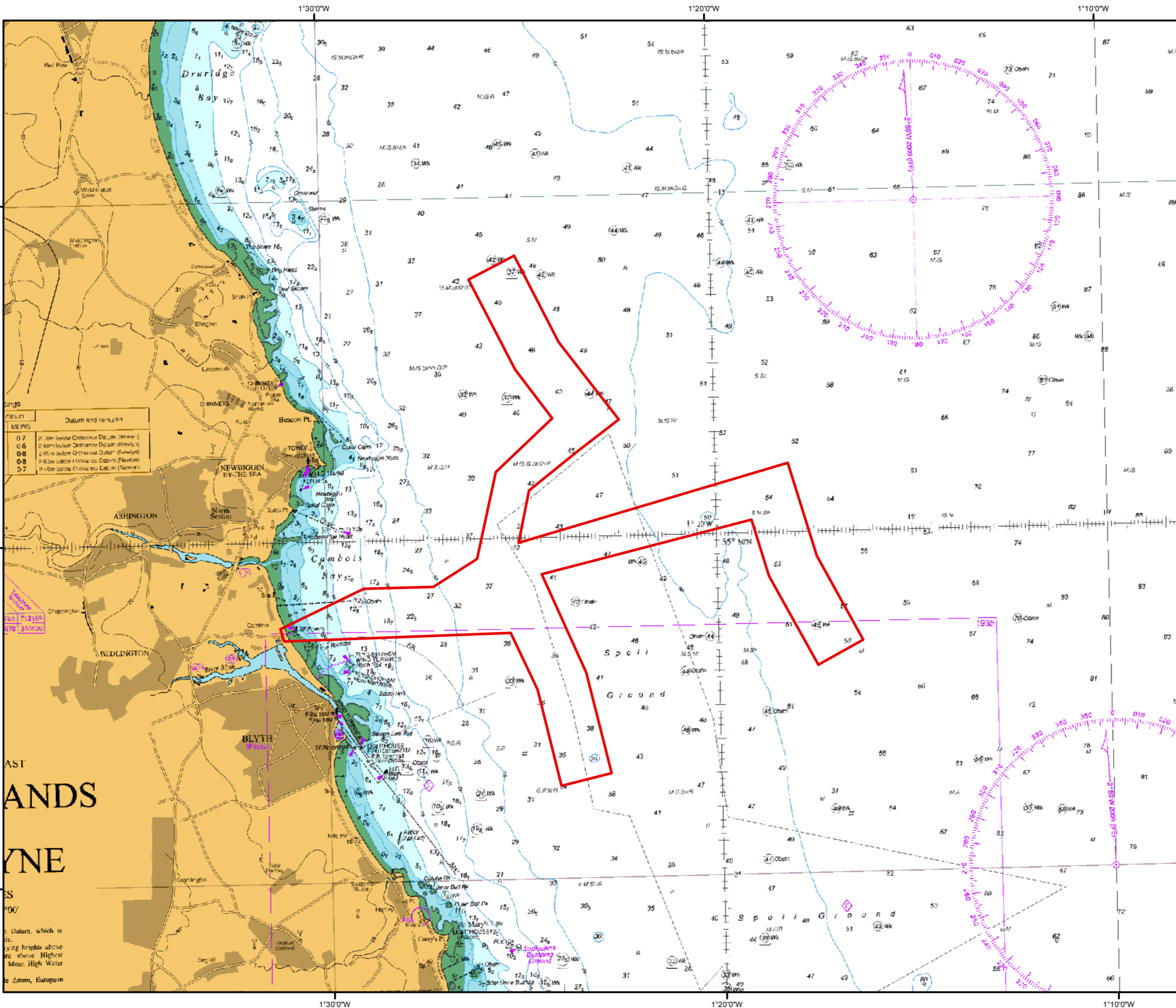
(a) Such surveys shall not be ordered more frequently than once a year, and before ordering such a survey the MMO shall consult the Company in order to establish what relevant survey information is already available and give the Company an opportunity to carry out the survey itself; and

(b) Paragraph (a) shall not apply in an emergency.

*Reason: To enable the MMO to act on its own initiative, where there are concerns about the integrity of the Development or site.*

Date: 12 October 2015

Commented [SL2]: MMO to insert decision date



Project:  
**Blyth Offshore  
 Demonstration Project**

Title:  
**Site Boundary**


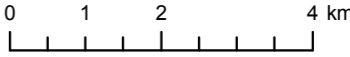

Key  
 Site boundary

Chart	Datum and remarks
0.7	2.0m below Ordnance Datum (Newlyn)
0.6	2.0m below Ordnance Datum (Newlyn)
0.8	2.0m below Ordnance Datum (Newlyn)
0.8	2.0m below Ordnance Datum (Newlyn)
0.7	2.0m below Ordnance Datum (Newlyn)

Notes:  
 a) Information on this map is directly reproduced from digital and other material from different sources. Minor discrepancies may therefore occur. Where further clarification is considered necessary, this is noted through the use of text boxes on the map itself.  
 b) For the avoidance of doubt and unless otherwise stated:  
 1. where a line recorded in the key demarcates a boundary on this plan, the boundary edge is the outside edge of the line.  
 2. this plan should be used for identification purposes only, unless specifically stated above or in accompanying documentation.  
 3. Natural Power Consultants Ltd. accepts no responsibility for the accuracy of data supplied by third parties.

**Scale @ A3: 1:100,000**  
 Coordinate System: WGS 1984 UTM Zone 30N  
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Date: 26-09-13    Prepared by: EG    Checked by: SL

Ref: 401\_005\_M\_073\_A3

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