

**29 January 2020**

Nikoleta Papanastasouli,  
Marine Scotland Licencing  
and Operations Team

Dear Nikoleta,

**Inch Cape Offshore Wind Farm Request for Variation to Offshore Consents  
Our Ref: IC01-EC-OFC-003-LET-001**

Inch Cape Offshore Limited (ICOL) would like to apply for a variation of the Section 36 consent granted to ICOL on the 17 June, 2019 (Application Reference number 048/OW/RRP-10). The purpose of the application is to increase the consented total capacity of the wind farm, which is currently limited in terms of Annex 1 of the Section 36 Consent to 'around 700 megawatts (MW)'. This application does not request a variation to any other parameters granted within the Section 36 Consent and the parameters of the WTGs and associated components have not changed from those included within the Application.

ICOL has undertaken analysis of wind turbine generator technologies that will be available for deployment within the lifetime of the Section 36 Consent. This analysis has demonstrated that the Inch Cape Offshore Wind Farm could generate up to 1000MW using turbines that are within the consented parameters.

Based on the Scottish Government's published Renewable Electricity Output Calculator, it is estimated that, depending on the fuel type displaced, 612,325 tonnes of carbon dioxide will be saved each year through by Development, is approved to generate 1000MW. In addition, it is estimated that the Development would generate enough electricity each year to meet the needs of the equivalent of 669,565 Scottish households per year. This would represent an increase of approximately 240,938 additional homes being powered using clean energy from the currently consent 700MW project, without increasing any environmental impacts or altering parameters for the infrastructure currently permitted.

**Application to Vary**

Annex 1- 'Description of the Development' of the decision notice states the following:

Inch Cape Offshore Limited is a company registered in Scotland with registration number SC373173 whose registered office is at 5<sup>th</sup> Floor, 40 Princes Street, Edinburgh, EH2 2BY with VAT number GB115073645. Inch Cape Offshore Limited is a wholly owned subsidiary of Red Rock Power Limited.

*An offshore energy generating station, located in the outer Firth of Forth, approximately 15-22km east of the Angus coastline, as shown in Figure 1 below, with a maximum generating capacity of around 700 megawatts (“MW”) comprising:*

- 1. No more than 72 three-bladed horizontal axis Wind Turbine Generators (“WTGs”), each with:
  - a) A maximum height to blade tip of 291 metres (measured from Lowest Astronomical Tide (“LAT”));*
  - b) A maximum rotor diameter of 250 metres;*
  - c) A minimum blade tip clearance of 27.4 metres (measured from LAT);*
  - d) A maximum blade width of 7.8 metres; and*
  - e) A nominal turbine spacing of 1,278 metres.**
- 2. No more than 72 substructures and foundations and ancillary equipment.*
- 3. No more than 190km of inter-array cabling;*  
*The total area within the Development site boundary is 150km<sup>2</sup>.*

It is therefore requested, that references within Annex 1 of the Section 36 consent are varied to allow for a generating capacity of up to 1000MW.

The physical parameters of the turbine proposed will remain within the permitted turbine parameters granted within the Section 36 consents, and that assessed within the Environmental Impact Assessment (EIA) and Appropriate Assessment to inform the application. Therefore the proposed variation does not result in any changes to these assessments for the consented development. As there is no significant adverse effects associated with the proposed change there is no requirement for a new EIA to be undertaken and the Section 36 consent can be varied with no further assessment required. Further information to support the variation request is provided in IC01-EC-OFC-003-RRP-RPT Offshore Consents Variation Report.

**Yours sincerely,**

**Benjamin King**  
**Offshore Consents Manager**  
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