

Giulia Agnisola
Marine Scotland Licensing Operations Team
Marine Scotland
375 Victoria Road
Aberdeen
AB11 9DB

4 July 2018

Dear Ms Agnisola

Electricity Act 1989 (as amended)

The Electricity (Applications for Consent) Regulations 1990 (as amended)

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 (as amended)

Marine and Coastal Access Act 2009

Marine (Scotland) Act 2010

The Marine Works (Environmental Impact Assessment) Regulations 2007 (as amended)

The Marine Works (Environmental Impact Assessment) (Scotland) Regulations 2017

Application by Moray Offshore Windfarm (West) Limited for Consent to Construct and Operate a Generating Station, Moray West Offshore Wind Farm

Moray Offshore Windfarm (West) Limited is a project company of EDP Renewables which is a leading global renewable energy company which develops and builds offshore wind farms in the UK.

Moray Offshore Windfarm (West) Limited hereby submits, for the Moray West Offshore Wind Farm in the Outer Moray Firth, an application for consent under Section 36 of the Electricity Act 1989 for the construction and operation of an offshore generating station ('Section 36 consent'). An application submitted under (1) Part 4 of the Marine and Coastal Access Act 2009 for the deposit of substances and objects and the construction, alteration or improvement of works within the Scottish Offshore Region for the Moray West Offshore Wind Farm and (2) Part 4 of the Marine (Scotland) Act 2010 for deposits in the sea or under the seabed from a vessel which is loaded in Scotland or in the Scottish Marine Area is also enclosed with this letter.

The proposed offshore wind farm is situated approximately 22.5 km from the Caithness coastline, at the closest point, and lies within the Scottish Offshore Region (as defined in the Marine and Coastal Access Act 2009). The proposed Moray West Offshore Wind Farm comprises:

- Up to 85 Wind Turbine Generators, spaced no less than 1,200 downwind and 1,050 m crosswind with a maximum rotor blade diameter of 250 m, maximum blade tip height of 285 m (above HAT) and a minimum blade clearance of 22 m (above HAT);
- Up to 275 km of 33-72.5 kV inter-array cables;

- Scour protection around substructures and cable protection (if required);
- Monitoring equipment, such as metocean buoys (if required); and
- All foundations, substructures, fixtures, fittings, fixings and protections.

Power will be exported to the national electricity transmission system at Blackhillock substation. Some elements of the offshore transmission infrastructure may be located within the Moray West Offshore Wind Farm Site boundaries but will be covered by a separate Marine Licence application.

Documentation Enclosed and Application Fees

Moray Offshore Windfarm (West) Limited has been in regular correspondence with Marine Scotland Licensing Operations Team regarding the Section 36 consent and Marine Licence application for the proposed Moray West Offshore Wind Farm. The application documents submitted consist of the following:

- This letter;
- A Marine Licence application form and supporting maps and co-ordinates;
- An Environmental Impact Assessment (EIA) Report and associated maps;
- A Non-Technical Summary;
- Information to inform an appropriate assessment, in the form of a Habitats Regulations Appraisal Report;
- Safety Zones Statement; and
- USB drives containing electronic versions of the above documents.

Application fees for the sum of £60,000 for the Section 36 consent and £45,610 for the Marine Licence for the proposed Moray West Offshore Wind Farm will be submitted electronically to the Scottish Government.

Related Applications

A separate Marine Licence application has been submitted under Part 4 of the Marine (Scotland) Act 2010 and Part 4 of the Marine and Coastal Access Act 2009 for the deposit of substances and objects and the construction, alteration or improvement of works within the Scottish Marine Area and Scottish Offshore Region in relation to the Moray West Offshore Transmission Infrastructure (OfTI).

The Moray West Onshore Transmission Infrastructure (OnTI) associated with the Moray West Offshore Wind Farm and Moray West OfTI will be subject to a separate application for planning under the Town and Country Planning (Scotland) Act 1997.

Moray Offshore Windfarm (West) Limited is also a licence holder under Section 6 of the Electricity Act 1989.

Public Notices / Advertisements

We confirm that advertisements regarding the applications will be placed in the Banffshire Journal, the Press and Journal, the Scotsman newspaper and the Edinburgh Gazette on a date agreed with Marine Scotland Licensing Operations Team and again seven days later.

A copy of the applications, with a plan showing the area to which they relate, together with a copy of the EIA Report discussing Moray Offshore Windfarm (West) Limited's proposals in more detail and presenting an analysis of the environmental implications will be made available for public inspection at the following locations:

The Highland Council Inverness Planning Office Glenurquhart Road Inverness IV3 5NX	Moray Council Elgin Planning Office High Street Elgin IV30 1BX
The Highland Council Caithness Planning Office Caithness House Market Place Wick KW1 4AB	Aberdeenshire Council Banff Planning Office Winston House 39 Castle Street Banff AB45 1DQ
Helmsdale Library and Service Point Dunrobin Street Helmsdale KW8 6JX	Buckie Library Cluny place Buckie AB56 1HB
Golspie Service Point and Registration Office Olsen House Main Street Golspie KW10 6RA	Brora Library Gower Street Brora Highland KW9 6PD

Once the applications have been accepted by Marine Scotland Licensing Operations Team, the EIA Report and Non-Technical Summary will be published online at:
<http://www.morayoffshore.com/moray-west/document-library/>.

We look forward to hearing from you in relation to the formal acceptance of the applications. Please do not hesitate to contact Sarah Edwards (sarah.edwards@edpr.com) if we can be of any assistance.

Yours faithfully



Daniel H. Finch
Director

Marine Renewable Energy Projects in the Territorial Sea and UK Controlled Waters Adjacent to Scotland

Marine (Scotland) Act 2010

IMPORTANT: Before completing this form, please read these notes carefully.

The following numbered paragraphs correspond to the questions on the application form and are intended to assist applicants in completing the form. These explanatory notes are specific to this application and so applicants are advised to read these in conjunction with the General Guidance document. If further clarification is needed please contact Marine Scotland Licensing Operations Team (MS-LOT) on 01224 295579 or email:

MS.MarineLicensing@scotland.gsi.gov.uk

Please refer to the General Guidance for information regarding payment methods.

Explanatory Notes

2. Applicant

The person, company or organisation making the application that will be named as the licensee on any licence issued.

3. Agent

Any person, company or organisation acting under contract (or other agreement) on behalf of any party listed in the answer to question 2, and having responsibility for the control, management or physical deposit of materials anywhere below the tidal limit of the mean high water springs (MHWS) (e.g. a consultancy company submitting the application or a contractor who will be carrying out the works.)

4. Duration of Project

Provide details of the proposed commencement and completion dates of the project. The start date will not normally be backdated, except in exceptional circumstances, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action. A licence is normally valid for 1 calendar year or the duration of the project (whichever is longer). After this period, it may be necessary for licence holders to re-apply for a further licence to continue any ongoing work (i.e. the project will be reviewed to establish whether original details are being adhered to). Although Marine Scotland Licensing Operations Team (MS-LOT) will aim to write to licence holders one month before the expiry date of a licence, it is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

5. Description and Cost of the Proposed Project

- (a) This estimate should only cover work taking place below the tidal level of MHWS and should take into consideration the cost of materials, labour fees etc.
- (b) Where the project is expected to take longer than 12 consecutive months, this description must detail which elements are to be undertaken in the first 12 months, with an outline of the schedule for each further 12 month period (the method of work should be described in the answer to question 7). In the event that MS-LOT must undertake a wider consultation on your application this description may be used as a basis for informing other bodies as to the nature of the proposed work.
- (c) Best describe the type of work proposed. Where the project involves a number of elements, please complete all appropriate boxes.

6. Location of Project

Include a list of the National Grid References (NGR) or latitude and longitude co-ordinates of the boundary points of the proposed project. In some cases, (e.g. the laying of cables) it may only be practicable to supply NGR or latitude and longitude co-ordinates for the start and end points.

NGR: Should consist of two letters followed by 10 digits (e.g. TL6320031700) where the first 5 digits are the eastings (read from the south west corner of an Ordnance Survey map) and the last 5 digits are northings.

Latitude & longitude: For positions read from charts of 1:25,000 scale or smaller, the format should be, e.g. 55°55.55'N 2°22.22'W. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the datum should be explicitly marked, e.g. 55°55'44"N 2°22'11"W. For positions read from larger scale charts, e.g. 1:10,000, three decimal places of minutes should be used, e.g. 55°55.444'N 2°22.222'W.

It is important that the correct positions are included with this application, as any errors may result in the application being refused or delayed.

To supplement the information given in section 6, the following must be provided with the completed application form:

- a suitably scaled extract of an Ordnance Survey Map (1:2,500 scale but not more than 1:10,000) or Admiralty Chart which should be marked to indicate:
 - the full extent of the project in relation to the surrounding area;
 - either NGR or latitude and longitude co-ordinates defining the area of operation.
 - the level of MHWS;
 - any adjacent Special Area of Conservation (SAC), Special Protection Area (SPA), Site of Special Scientific Interest (SSSI), Ramsar or similar conservation area boundary.

These drawings/plans may be copied to others as part of the MS-LOT consultation process. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

7. Method Statement

Please provide a full method statement, including details of any temporary structures/deposits that may be required below MHWS during the project, the ultimate fate of the structure and material used in its construction. Details of temporary structures will be included in any licence issued.

Proposed measures to ensure the marine environment is adequately safeguarded during the project should also be described, as should those taken to minimise any interference with other uses of the sea or foreshore.

8. Permanent (and Temporary) Deposits

- (a) Complete the appropriate box(es) to indicate all materials to be deposited below MHWS. If you propose using types of materials for which a specific box is not provided, please describe the nature of such material in the box marked "Other".
- (b) If any materials to be placed below MHWS are to be brought to the site by sea, give details of the material (e.g. clean rock, average particle size) the vessels to be used,

A chart should also be provided showing the proposed vessel route to the project site and details of any trans-shipment areas (i.e. where material may be off-loaded to smaller vessels/barges for transport inshore).

If temporary deposits are required, please provide details as with the permanent deposits above. The temporary deposit location details (NGR or Lat/Long) should be added to section 6 of the form, and the period of time the site will be used must be provided. If issuing a licence, MS-LOT will include on the document details of any area that has been approved as a temporary deposit site

9. Producer/Contractor

The person, company or organisation whose activities produce the material intended for deposit in the sea (e.g. the dredging or excavation contractor).

10. Holder

The person, company or organisation that will be in possession of the waste prior to its deposit in the sea. This will include those providing temporary storage facilities or transporting the material to the vessel for conveyance to the sea disposal site etc.

11. Agent

Any person, company or organisation acting under contract (or other agreement) on behalf of any party listed in the answer to sections 1, 9 or 10 and having responsibility for the control, management or deposit anywhere below the tidal limit of MHWS (e.g. a consultancy company submitting the application or a contractor who will be carrying out the operations).

12. Duration of Dredging/Drilling Operation

Provide details of the proposed commencement and completion dates of the operations. The start date will not normally be backdated, except in exceptional circumstances, since to commence a project for which a licence has not been obtained may constitute an offence resulting in appropriate legal action. A licence may be issued for up to 3 calendar years, although MS-LOT will aim to write to licence holders two months before the expiry date of a licence, it is the licensee's responsibility to apply for any further licences or an extension prior to the expiry of the initial licence.

13. Details of Dredging/Drilling and Disposal Vessel(s)

The name, operator and type of vessel, including the type of dredging/drilling plant (e.g. cutter-suction) should be entered. If vessel details are not available at the time of application, please indicate this on the form as these details will be required prior to licence issue.

14. Method Statement of Dredging/Drilling Operation

Provide a full method statement of the dredging/drilling operation. This should include details such as the rate of dredging/drilling, timing of the operation, order of the areas to be dredged/drilled and the precautions taken to protect both navigation and the environment.

15. Use of Explosives

Indicate whether explosives are to be used as part of the dredging operations. If yes, please indicate if a method statement has been provided with your application. If a method statement has been produced but is not available, please provide an explanation in the space provided.

16. Details of Areas to be Dredged/Drilled

This section requires data to be provided about the source area to be dredged and the type of material to be deposited.

Name of Area - An annotated chart/location plan (either at A3 or A4 format) of suitable scale (1:2,500 but no more than 1:10,000) should be provided, with each proposed dredge area marked and named. The chart/location plan should show the full extent of the project in relation to the surrounding area. These drawings/plans may be copied to others as part of MS-LOT consultation procedures. If they are subject to copyright, **it is the responsibility of the applicant to obtain necessary approvals to reproduce the documents and to submit suitably annotated copies with the application.**

Co-ordinates - Include a list of the National Grid References (NGR) or latitude and longitude co-ordinates of the boundary points for the proposed dredge areas.

- **NGR:** Should consist of two letters followed by 10 digits (e.g. TL6320031700) where the first 5 digits are the eastings (read from the south west corner of an Ordnance Survey map) and the last 5 digits are northings.
- **Latitude & longitude:** For positions read from charts of 1:25,000 scale or smaller, the format should be, e.g. 55°55.55'N 2°22.22'W. The decimal point specifies that decimals of minutes are used and the datum is stated explicitly. If seconds are used then the datum should be explicitly marked, e.g. 55°55'44"N 2°22'11"W. For positions read from larger scale charts, e.g. 1:10,000, three decimal

places of minutes should be used, e.g. 55°55.444'N 2°22.222'W.

Nature of Dredge/Drill Area - provide a description of the type of area to be dredged/drilled (e.g. river bed, sea, harbour, approach channel, estuary)

17. Details of Material to be Dredged/Drilled

Information is required for each of the areas listed in the answer to section 16. The applicant should indicate the following:

A pre-dredge survey and sediment chemical analysis report will be required by MS-LOT prior to the issue of a sea disposal licence. Please contact MS-LOT for details in relation to specific projects. In addition to those samples analysed by the applicant, sediment sub-samples must be submitted to MS-LOT as check monitoring may be required.

Physical Composition of Material - indicate the approximate proportions (by volume) of the different types of dredged materials which are expected to be removed from each area.

For the purposes of this application the following descriptions should be used:

Average particle size (Based on the Wentworth Table)		
Description	Lower range	Upper range
Boulders	256 mm+	
Cobbles	64 mm	256 mm
Pebbles	4mm	64 mm
Granules	2 mm	4mm
Sand	62 microns	2mm
Silt and clay		62 microns

Depth of Material to be Removed - indicate the maximum depth (in metres) below the current seabed level, to which it is expected dredging is to be carried out.

Estimated Specific Gravity - indicate the specific gravity of the material to be disposed.

Quantity to be Dredged/Drilled per Year - the amount of material to be dredged (per year) from each area. Indicate unit of measure, either in-situ cubic metres or metric tonnes.

18. Dredged/Drilled Material: Additional Information

Contamination - information should be given regarding contamination in any of the areas to be dredged/drilled e.g. waste discharges, man-made rubbish or industrial activity in close proximity.

Type of dredger - indicate the type of dredging plant to be used within each area.

Beneficial uses – include any intended beneficial use of material (details to be provided in the BPEO).

19. Details of Dredged/Drilled Material Quality

The applicant is required to have representative sediment samples analysed at a laboratory of choice. This is liable to extend the time required to consider your application **as no licence will be issued without provision of this chemistry data**. As part of the application consideration process, an assessment will be made of the

chemical and physical characteristics of the material to be deposited at sea and its potential effects upon the marine environment.

As part of the licence conditions, you may be required to take representative samples of the dredged/drilled material during the dredging/sea disposal operations for analysis by MS-LOT. In such cases, samples should be taken at specified locations and depths and placed in containers which will be provided. The samples should then be returned to MS-LOT at the Marine Laboratory Aberdeen. This process enables the UK to fulfil its obligations under international conventions.

20. Best Practicable Environmental Option (BPEO) Assessment

Under Part 4, Section 27(2) of the Marine (Scotland) Act 2010 (there is no equivalent provision under the Marine and Coastal Access Act 2009), the Licensing Authority has an obligation to consider the availability of practical alternatives when considering applications involving disposal of material at sea. In order for Marine Scotland to thoroughly assess the available alternative options and reach a properly considered decision, all sea disposal licence applications must be supported by a detailed assessment of the alternative options - a Best Practicable Environmental Option (BPEO) assessment. This should include a statement setting out the reasons which have led to the conclusion that deposit of the materials at sea is the BPEO. **Sea disposal applications will not be considered unless they are accompanied by a BPEO assessment.** All options in the BPEO should be explored fully (as per the guidance documents) otherwise your form and BPEO are liable to be returned to you thereby delaying processing of the application.

21. Sea Disposal Site Details

Provide details of the proposed sea disposal site for the dredged material and, if necessary, any alternative sea disposal site(s) considered. In determining whether to issue a licence, MS-LOT will take into account any site nominated by the applicant. However, should this site be unsuitable, the nearest suitable disposal site for the dredged material will be identified. Should you wish to establish a new site, please provide details in a covering letter with your application and MS-LOT will contact you to discuss your proposal before your application is determined. The cost of any site investigations to identify any new sea disposal site will normally be the responsibility of the applicant.

22. Other Consents

Detail all consents required for the proposed project and indicate those that you have applied for or received. In all cases the applicant must provide the name and address of the nearest Local Planning Authority for the location of the project.

23. Statutory Consenting Powers

Please describe in the answer to this question what (if any) statutory responsibilities you (or your client) have to consent any aspect of the project.

24. Advertising and Consultation

- (a) Confirm whether the proposed project has been advertised, and if so how and where?
- (b) Have the public been invited to comment on the proposed project? If so to whom and what was the closing date?
- (c) Have any consultation meetings been held with the public? If so where and when?

25. Consultation with Conservation Bodies

Consenting Authorities have a duty to ensure marine projects will not have a significant adverse environmental impact, particularly upon designated conservation areas (e.g. SSSI, SAC, SPA, Ramsar sites etc). All details of

consultations with conservation bodies (e.g. SNH, JNCC) should be given, particularly where the applicant has statutory powers for consenting aspects of the project

In addition, guidance can be obtained from www.foodstandards.gov.uk/ with regards to the Shellfish Waters Directive (2006/113/EC) which has parameters set to protect the water quality in which edible shellfish are grown.

26. Designated Conservation Areas

Indicate whether the proposed project is located within or close to the boundaries of a conservation area such as a SAC, SPA, SSSI or Ramsar site (further information can be found on the SNH SiteLink webpage <http://gateway.snh.gov.uk/>).

27. Environmental Assessment

Under the Marine Works (EIA) Regulations 2007, there may be a requirement for certain projects to undergo an Environmental Impact Assessment (EIA) and produce an Environmental Statement (ES). If an EIA/ES is deemed necessary, MS-LOT cannot issue a marine Licence until the outcome of the EIA/ES has been determined. Please indicate whether any EIA has been carried out in respect of the proposed project, either under your own powers or as required by another authority. If such an assessment has been undertaken, please indicate if a copy has been provided with your application. If the statement/assessment has been completed but is not available, please provide an explanation in the space provided.

Additionally, please also give details regarding if and where a copy has been/is being made available for public inspection.

Other Considerations

Applicants should also be aware of the need to pay due regard to coastal and marine archaeological matters and attention is drawn to Historic Scotland's Operational Policy Paper HP6, "Conserving the Underwater Heritage". Please ensure that you have:

- completed **all** applicable sections of the application form;
- signed and dated the declaration;
- provided the correct relevant documents, charts, and continuation sheets (where necessary); and
- enclosed the correct payment (together with the remittance slip) or paid by means of BACS (if appropriate).

Otherwise your application may be delayed or returned to you.

Application for Marine Renewable Energy Projects in the Territorial Sea and UK Controlled Waters Adjacent to Scotland

(ML-003)

Marine (Scotland) Act 2010

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required.

Under Part 4, Section 54 of the Marine (Scotland) Act 2010 and Section 101 of the Marine and Coastal Access Act 2009 all information contained within or provided in support of this application will be placed on the Public Register. There is no national security grounds for application information not going on the Register under the 2010 Act. Under the 2009 Act, application information goes on the Register unless the Secretary of State determines that it's disclosure in the Register would be contrary to the interests of national security.

Public Register

Is there any information contained within or provided in support of this application that you consider should not be included on the Public Register on the grounds that its disclosure

- (a) would be contrary to the interests of national security; or YES ☐ NO ☐
- (b) would adversely affect the confidentiality of commercial or industrial information where such confidentiality is provided by law to protect a legitimate commercial interest? YES ☐ NO ☐

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

1. Project Title and Payment Details

Please give a brief identifiable description, including the location, of the project.

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Payment: Enclosed payment ☐ BACS ☐ **OR** Invoice ☐

2. Applicant Details

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact
(if different)

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No.

Email

3. Agent Details (if any)

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact
(if different)

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No.

Email

4. Duration of Project

Start date

Expected completion date

5. Description and Cost of the Proposed Project

(a) Estimated gross cost of the works proposed seawards of the tidal limit of MHWS

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(b) Give a detailed description of the proposed schedule of work.

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(c) Types of Work Proposed

General Marine Project (e.g. wave, tidal device, monopile turbine)

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Scientific/Marine Survey (e.g. geotechnical, geophysical, waverider):

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Moorings (e.g. private, commercial):

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Dredging/Drilling Operations

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6. Location of Project (including any temporary deposit locations)

This should include either National Grid References (NGR) or Latitude and Longitude co-ordinates defining the extent of the project.

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7. Method Statement

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8. Permanent (and Temporary) Deposits

(a) Quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS:

Type of Deposit	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Steel/Iron		Tonnes No. (if applicable)
Timber		m ³ /tonnes
Plastic/Synthetic		m ²
Concrete		m ³
Silt		m ³
Sand		m ³
Stone/Rock/Gravel		Size range (mm) Total m ³
Concrete bags/mattresses		No. Dimensions Total m ³
Cable		Length (m)

Other (please describe below):

(b) Method of delivery of material.
(see Guidance Notes)

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If necessary, please continue on a separate sheet and tick this box

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IF THE PROJECT INVOLVES DREDGING/DRILLING (AND DISPOSAL OF DREDGED MATERIALS AT SEA) THEN PLEASE COMPLETE THE FOLLOWING SECTIONS, OTHERWISE PROCEED TO SECTION 22

9. Dredging/Drilling Contractor/Producer Details

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact
(if different)

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No. Email

10. Holder

If the Holder is also the Applicant (shown at 2) tick the box and go to section 11 ☐

If the Holder is also the Producer (shown at 9) of the material tick the box and go to section 11 ☐

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact
(if different)

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No. Email

11. Agent

Title Initials Surname

Trading Title (if appropriate)

Address

Name of contact
(if different)

Position within Company
(if appropriate)

Telephone No.
(inc. dialing code)

Fax No.
(inc. dialing code)

Company Registration No.

Email

If more than one 'Agent' please continue on a separate sheet and tick the box ☐

12. Duration of Dredging/Drilling Operation

When is it proposed to begin the dredging/drilling operation?

When are dredging/drilling and disposal operations expected to be completed?

13. Details of Dredging/Drilling and Disposal Vessel(s)

	Name of Vessel and Operator	Type of Vessel
(a)		
(b)		
(c)		
(d)		

14. Method Statement for Dredging/Drilling Operation

15. Use of Explosives

Will any part of the dredging operation involve the use of explosives?

YES ☐ NO ☐

If YES,

Has a method statement regarding the use of explosives been submitted with this application?

YES ☐ NO ☐

If a method statement is not being submitted, please provide an explanation as to why.

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16. Details of Areas to be Dredged/Drilled

Dredge/Drill Areas	Name of Area to be Dredged/Drilled	Co-ordinates	Nature of Dredged/Drilled Area
A			
B			
C			
D			
E			

If necessary please continue on a separate sheet and tick this box ☐

17. Details of Material to be Dredged/Drilled

For each of the areas at rows A –E above (plus any listed separately), provide the following information:

Dredge/Drill Areas	Estimated Specific Gravity	Physical Composition of Material	Depth of Material to be Removed (metres)	Quantity to be Dredged/Drilled per Year (either in-situ m³ or metric tonnes)
A				
B				
C				
D				
E				

If necessary please continue on a separate sheet and tick this box ☐

18. Dredged/Drilled Material: Additional Information

For each of the areas at rows A – E above (plus any listed separately), provide the following information:

Dredge/Drill Areas	Type of Contamination	Type of Dredger	Beneficial Uses
A			
B			
C			
D			
E			

If necessary please continue on a separate sheet and tick this box ☐

19. Details of Dredged Material Quality

Has the dredged/drilled material been chemically analysed in the last 3 years? YES ☐ NO ☐

Can the samples be made available if required? YES ☐ NO ☐

If **NO**, when will they be available?

20. Best Practicable Environmental Option (BPEO) Assessment

Has an up to date BPEO assessment been included with your application? YES ☐ NO ☐

21. Sea Disposal Site Details

Name of Disposal Site (or Oslo Code)	Co-ordinates of Disposal Site

22. Other Consents

Provide details below of all consents you have applied for or received.

Type of Consent	(Tick appropriate box)		Reference No.	Date of Issue of Consent
	Applied for	Not Applied for		
1. Local Planning Authority (LPA) (e.g. Town and Country Planning Act)				
Name and address of LPA for Location of proposed works:				
2. Land Owner e.g. The Crown Estate				
3. Local Port or Harbour Authority e.g. local work licence				
4. Scottish Environment Protection Agency (SEPA)				
5. Others				

23. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

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24. Advertising and Consultation

Have these proposals been advertised to the public?

YES ☐ NO ☐

If **YES**, how and where?

Have the public been invited to submit comments?

YES ☐ NO ☐

If **YES**, to whom and by what closing date?

Have any consultation meetings with the public been arranged?

YES ☐ NO ☐

If **YES**, where and when are these to be held?

25. Consultation with Conservation Bodies

Provide details of any consultation with Conservations Bodies, and, if appropriate, include copies of any correspondence with your application.

26. Designated Conservation Areas

Are any parts of the proposed project located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the project from the boundary of the nearest conservation area(s)

If appropriate, are any parts of the proposed dredging and/or deposit operations located within the boundaries of a designated conservation area?

If yes, indicate approximate distance of the operations from the boundary of the nearest conservation area(s)

27. Environmental Assessment

Has an Environmental Impact Assessment (EIA)/Environmental Statement (ES) been undertaken to support any application in respect of the project, your own statutory powers (if applicable) or any other reason?

YES ☐ NO ☐

If **YES**, is a copy of the EIA/ES included with this application?

YES ☐ NO ☐

If the EIA/ES has been undertaken but has not been included with this application, please provide an

explanation below.

Is the EIA/ES available for public inspection?

YES ☒ NO ☐

If **YES**, at what locations:

The Highland Council (Inverness and Caithness Planning Offices), Moray Council (Elgin Planning Office), Aberdeenshire Council (Banff Planning Office), Helmsdale Library and Service Point, Buckie Library, Golspie Service Point and Registration Office and Brora Library.

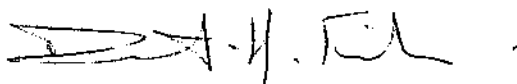
Declaration

I declare to the best of my knowledge and belief that the information given in this form and related papers is true.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

Signature



Date

4 July 2018

Name in BLOCK LETTERS

Daniel Henry Finch

Position within company
(if appropriate)

Director

Please check carefully the information you have given and that all the enclosures (including copies) have been included.

Application Check List

1. Electronic Application

- Completed application form **x 1**
- Project drawings **x 1**
- Method Statement **x 1**
- Maps/Charts **x 1**
- Additional environmental information, eg. Photographs, Environmental Impact Assessment etc (if required) **x 1**
- Payment (signed cheque or BACS details)

2. Non-electronic Application

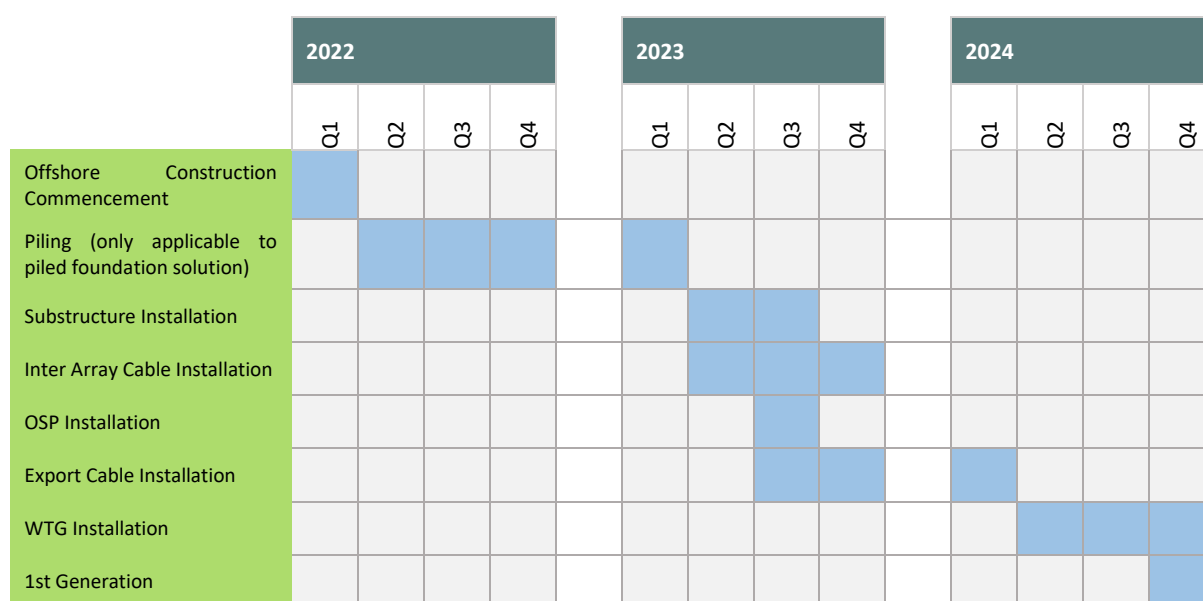
- Completed, signed application form **x 7**
- Project drawings **x 7**
- Method Statement **x 7**
- Maps/Charts **x 7**
- Additional information, eg. photographs, Environmental Impact Assessment etc (if required) **x 7 (dependent on size and relevance to consultees)**
- Payment (signed cheque or BACS details)

Moray West Offshore Wind Farm Marine Licence Application Supporting Information

Section 5 (b) Give a detailed description of the proposed schedule of work.

A high-level indicative construction programme is presented in the figure below. The programme illustrates the likely duration of the major installation elements, and how they may relate to one another if built out in a single construction campaign. It covers installation of the major components (including offshore transmission (OfTI) works which will be licenced under a separate Marine Licence application) and does not include elements such as preliminary site preparation and commissioning of the wind farm post-construction. Offshore construction is currently planned to commence in 2022 and complete in 2024. First generation is currently predicted to occur in 2024 and the Wind Farm is currently predicted to be fully commissioned in 2025.

Timing of construction works will be subject to Moray West receiving a Contract for Difference through a competitive process and actual works durations will be dependent on a number of factors including, component and vessel availability, weather and final construction strategy. Construction is intended to take place 24 hours per day, 365 days per year, subject to weather conditions, until construction is complete.



The sequence of activities associated with the installation of the Wind Farm and OfTI are likely to be as follows, with various activities set out below being undertaken concurrently:

- Detailed pre-construction site investigations – some of these may be subject to separate licence applications;
- Onshore manufacture of components;
- Seabed preparation works;
- Transport to site and installation of foundations (monopiles, pin-piles, suction caissons and GBSSs);
- Transport to site and installation of substructures (TPs and jacket structures) on pre-installed foundation structures;
- Transport to site and installation of inter-array cables;

- Transport to site and installation of OSPs;
- Transport to site and installation of export cables;
- Transport to site and installation of wind turbine generators; and
- System testing and commissioning.

Section 5(c) Types of Work Proposed

General Marine Project (e.g. wave, tidal device, monopile turbine)

Offshore Wind Farm (with the capacity to generate approximately 850 MW) comprised of:

- Up to 85 Wind Turbine Generators, spaced no less than 1,200 downwind and 1,050 m crosswind with a maximum rotor blade diameter of 250 m, maximum blade tip height of 285 m (above HAT) and a minimum blade clearance of 22 m (above HAT);
- Up to 275 km of 33-72.5 kV inter-array cables;
- Scour protection around substructures and cable protection (if required);
- Monitoring equipment, such as metocean buoys (if required); and
- All foundations, substructures, fixtures, fittings, fixings and protections.

Section 8 (a) Quantity of permanent (and temporary, where applicable) materials to be deposited below MHWS:

Type of Deposit	Nature of Deposit (P = Permanent, T = Temporary)	Deposit Quantity
Steel/Iron	P	Approximately 400,000 tonnes for the steel substructures/turbine towers/etc.
Timber	N/A	0 m ³ /tonnes
Plastic/Synthetic	P	Approximately 5,000 Tonnes (total weight)
Concrete	P	Approximately 1,700,000 Tonnes for the steel substructures/turbine towers/etc. (total weight)
Silt	N/A	0 m ³
Sand	P	5,000,000 m ³
Stone/Rock/Gravel	P	Size range (mm): 15 – 200 Total m ³ : Approximately 4,100,000 m ³ for the steel substructures/turbine towers/etc. Also, up to 150,000 m ³ for protection of cables.

Concrete bags/mattresses	P	<p>No.: Approximately 4,000</p> <p>Maximum Dimensions: 6 m x 3 m x 1.5 m per concrete bag/mattress</p> <p>Total m³: Up to 108,000 m³ for protection of cables.</p>
Cable	P	319,000

Other (please describe below): N/A

Section 24 Advertising and Consultation

Have these proposals been advertised to the public? **YES**

If YES, how and where?

Public exhibitions were advertised in local papers and held following publication of the Scoping Report in 2016. The Public Exhibitions were held at:
Helmsdale 2 August Community Centre 12pm-8pm
Wick 3 August MacKays Hotel 12pm-8pm
Buckie 10 August Marine Hotel 12pm-8pm
Fraserburgh 11 August Leisure Centre 12pm-7pm

The adverts were placed in:

1. Caithness/Sutherland: Caithness Courier (27th July 2016) and John O Groats and Northern Times – (29th July 2016)
2. Moray/Aberdeenshire: Fraserburgh Herald (4th August) and the Banffshire Advertiser and Banffshire Journal (2nd August).

Please also see enclosed EIAR, each topic chapter has a record of consultations relevant to that topic and a short summary of consultations is provided in Chapter 5 - EIA Methodology. Public Notice to be placed in local newspapers for 2 week period, in The Scotsman for a 2 week period, and in the Edinburgh Gazette for a 2 week period. The EIAR will be publicly available at several locations (Section 27 below).

Have the public been invited to submit comments? **YES**

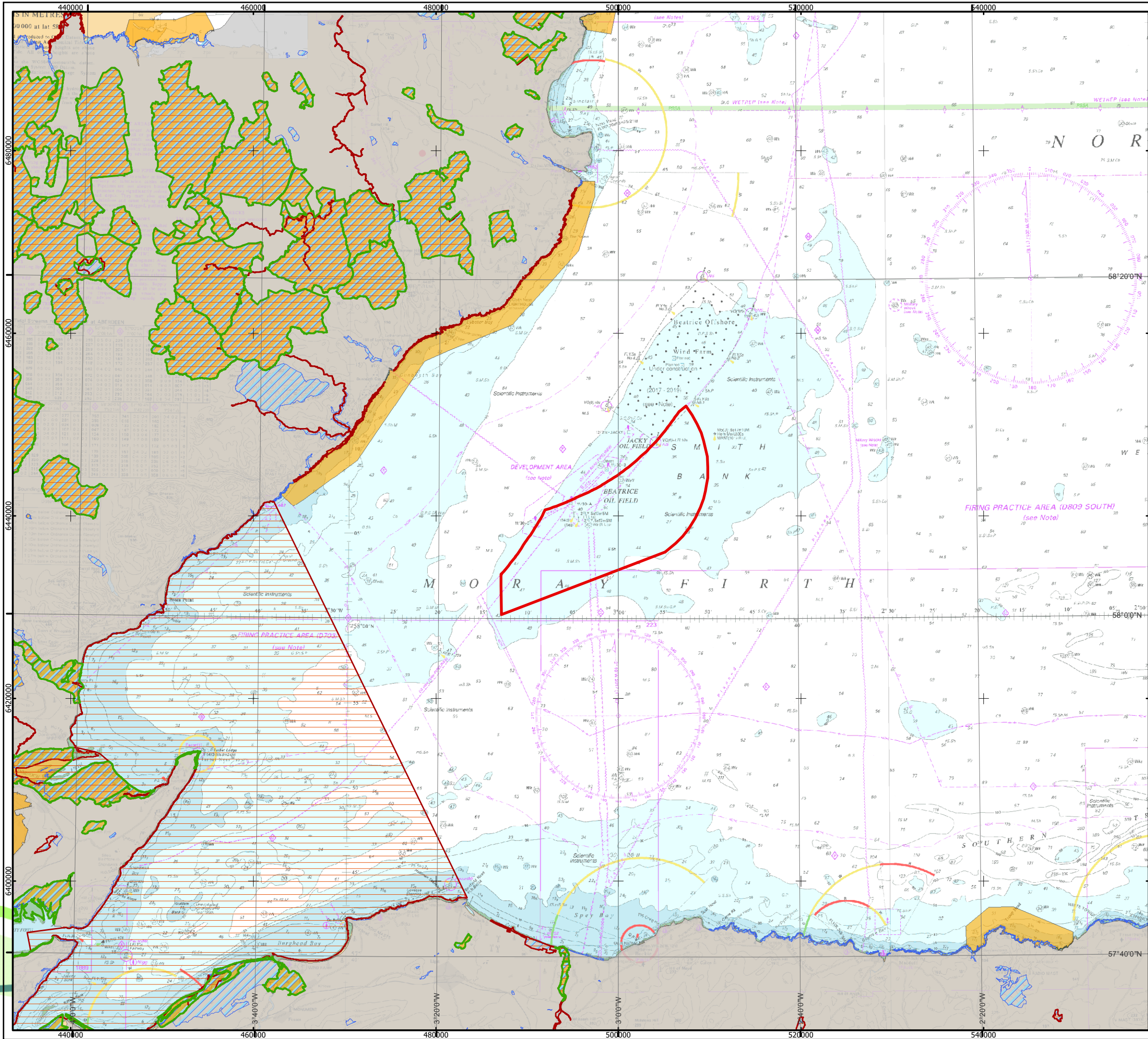
If YES, to whom and by what closing date?

Comment was invited as part of the public exhibitions in 2016. Please also see enclosed EIAR, each topic chapter has a record of consultations relevant to that topic and a short summary of consultations is provided in Chapter 5 - EIA Methodology. The public will be invited to comment on the application via Public Notices in local and national newspapers. The closing date will be detailed in the public notice adverts.

Have any consultation meetings with the public been arranged? **YES**

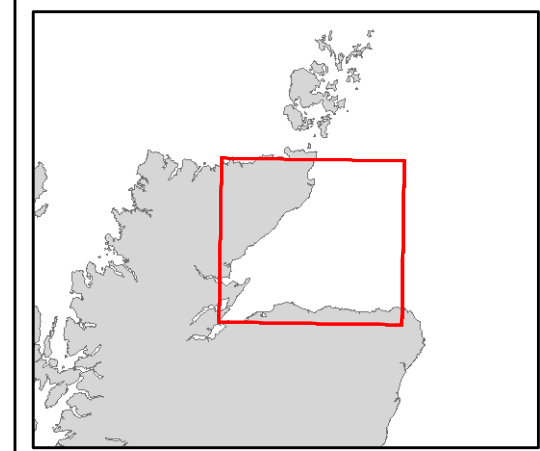
If YES, where and when are these to be held?

Public exhibitions were held at Wick, Helmsdale, Buckie and Fraserburgh as set out above. Please see enclosed EIAR, each topic chapter has a record of consultations relevant to that topic and a short summary of consultations (including details of previously held public exhibitions) is provided in Chapter 5 - EIA Methodology. Public consultation will continue, including with local communities, during the post application period to keep them informed on progress of proposals.



MORAY WEST OFFSHORE WINDFARM

- KEY**
- Ramsar Site
 - Special Area of Conservation (SAC)
 - Sites of Special Scientific Interest (SSSI)
 - Special Protected Area (SPA)
 - Moray West Site



Horizontal Scale: 1:400,000 A3 Chart
0 10,000 20,000 m

Geodetic Parameters: WGS84 UTM Zone 30N

Produced: FG
Reviewed: DO
Approved: SE

Date: 28/06/2018 Revision: A
REF: 8460005-DBB001-MWW-MAP-001

Moray West Offshore
Wind Farm

Moray Offshore
Windfarm (West) Ltd

ID	OSGB36 British National Grid			WGS84 Latitude - Longitude				WGS84 UTM Zone 30N	
	X_BNG	Y_BNG	NGR	Lat (DM.m)	Lon (DM.m)	Lat (DD)	Long (DD)	X_UTM30N	Y_UTM30N
0	346215.0774	908884.3175	ND4621508884	58° 3.946' N	2° 54.796' W	58.06575899	-2.913270205	505117.1271	6436034.636
1	328204.9381	902286.135	ND2820402286	58° 0.237' N	3° 12.986' W	58.00395498	-3.21643564	487208.0845	6429170.97
2	328204.9381	905456.0843	ND2820405456	58° 1.945' N	3° 13.044' W	58.03242029	-3.217402381	487161.1474	6432340.283
3	328204.9381	906265.0076	ND2820406265	58° 2.381' N	3° 13.059' W	58.03968418	-3.217649374	487149.1674	6433149.044
4	328204.9381	906701.9023	ND2820406701	58° 2.616' N	3° 13.067' W	58.04360736	-3.217782823	487142.6967	6433585.851
5	328248.1433	906747.1887	ND2824806747	58° 2.641' N	3° 13.024' W	58.04402102	-3.217065007	487185.2225	6433631.768
6	328282.1666	906783.9848	ND2828206783	58° 2.661' N	3° 12.990' W	58.04435695	-3.216500077	487218.6939	6433669.061
7	328311.4906	906815.6986	ND2831106815	58° 2.679' N	3° 12.961' W	58.04464647	-3.216013165	487247.5423	6433701.203
8	328511.671	907032.1936	ND2851107032	58° 2.797' N	3° 12.761' W	58.04662287	-3.212689049	487444.476	6433920.619
9	328769.6642	907320.9764	ND2876907320	58° 2.955' N	3° 12.504' W	58.04925761	-3.208407336	487698.1402	6434213.166
10	329023.081	907614.4575	ND2902307614	58° 3.116' N	3° 12.252' W	58.05193365	-3.204203928	487947.1593	6434510.342
11	329270.981	907912.5748	ND2927007912	58° 3.279' N	3° 12.006' W	58.05465031	-3.200094741	488190.594	6434812.072
12	329514.3834	908215.4635	ND2951408215	58° 3.445' N	3° 11.764' W	58.05740897	-3.196062555	488429.4613	6435118.506
13	329751.298	908521.1998	ND2975108521	58° 3.612' N	3° 11.528' W	58.06019205	-3.192140518	488661.7998	6435427.691
14	329793.8151	908577.6365	ND2979308577	58° 3.642' N	3° 11.486' W	58.06070557	-3.191437068	488703.4724	6435484.746
15	329822.1111	908614.0347	ND2982208614	58° 3.662' N	3° 11.458' W	58.0610369	-3.190968548	488731.2236	6435521.556
16	330054.4396	908924.4586	ND3005408924	58° 3.832' N	3° 11.227' W	58.06386119	-3.187124822	488958.9074	6435835.36
17	330280.3911	909239.5251	ND3028009239	58° 4.004' N	3° 11.003' W	58.06672606	-3.183389931	489180.1466	6436153.712
18	330501.7364	909557.4784	ND3050109557	58° 4.177' N	3° 10.784' W	58.069616	-3.179733357	489396.7377	6436474.881
19	330717.5694	909880.1327	ND3071709880	58° 4.353' N	3° 10.570' W	58.0725472	-3.176171004	489607.7479	6436800.67
20	330909.0586	910178.2935	ND3090910178	58° 4.515' N	3° 10.381' W	58.07525455	-3.173013469	489794.7818	6437101.609
21	331058.0552	910371.1554	ND3105810371	58° 4.621' N	3° 10.233' W	58.07700964	-3.170544772	489940.8916	6437296.64
22	331290.2013	910682.3708	ND3129010682	58° 4.790' N	3° 10.002' W	58.0798404	-3.166701048	490168.381	6437611.234
23	331516.881	910996.4866	ND3151610996	58° 4.962' N	3° 9.777' W	58.08269624	-3.162950237	490390.3619	6437928.647
24	331701.2081	911262.4669	ND3170111262	58° 5.107' N	3° 9.594' W	58.08511318	-3.159902858	490570.7117	6438197.306
25	331801.3938	911407.2926	ND3180111407	58° 5.186' N	3° 9.495' W	58.08642915	-3.158246446	490668.7318	6438343.588
26	332016.0677	911728.9397	ND3201611728	58° 5.361' N	3° 9.282' W	58.08935053	-3.154700027	490878.5976	6438668.354
27	332226.2478	912055.2661	ND3222612055	58° 5.539' N	3° 9.074' W	58.09231314	-3.151230589	491083.901	6438997.731
28	332429.9629	912385.3635	ND3242912385	58° 5.719' N	3° 8.872' W	58.09530854	-3.147871307	491282.6846	6439330.783
29	332628.2142	912718.2743	ND3262812718	58° 5.900' N	3° 8.676' W	58.09832827	-3.144604939	491475.9638	6439666.567
30	332820.9424	913055.0149	ND3282013055	58° 6.083' N	3° 8.486' W	58.10138147	-3.141432805	491663.664	6440006.098

ID	OSGB36 British National Grid			WGS84 Latitude - Longitude				WGS84 UTM Zone 30N	
	X_BNG	Y_BNG	NGR	Lat (DM.m)	Lon (DM.m)	Lat (DD)	Long (DD)	X_UTM30N	Y_UTM30N
31	333007.2704	913394.5822	ND3300713394	58° 6.268' N	3° 8.302' W	58.10445901	-3.138369507	491844.9233	6440348.361
32	333166.183	913696.8007	ND3316613696	58° 6.432' N	3° 8.146' W	58.10719695	-3.135760117	491999.3259	6440652.876
33	333336.491	913747.3723	ND3333613747	58° 6.461' N	3° 7.973' W	58.10767679	-3.132885292	492168.8514	6440705.962
34	333705.979	913863.6198	ND3370513863	58° 6.527' N	3° 7.599' W	58.10877625	-3.126649861	492536.5451	6440827.664
35	334073.6775	913986.4982	ND3407313986	58° 6.596' N	3° 7.227' W	58.10993468	-3.120446272	492902.3515	6440955.968
36	334439.5799	914115.7718	ND3443914115	58° 6.669' N	3° 6.856' W	58.11114997	-3.114274544	493266.2675	6441090.64
37	334802.8911	914250.7493	ND3480214250	58° 6.745' N	3° 6.489' W	58.11241581	-3.108147948	493627.5085	6441230.977
38	335164.3276	914392.1987	ND3516414392	58° 6.824' N	3° 6.123' W	58.1137392	-3.102054519	493986.7793	6441377.757
39	335522.244	914540.1458	ND3552214540	58° 6.907' N	3° 5.761' W	58.11512011	-3.096022158	494342.4346	6441530.98
40	335530.5927	914543.6862	ND3553014543	58° 6.909' N	3° 5.753' W	58.11515313	-3.095881468	494350.7292	6441534.644
41	335639.046	914589.7948	ND3563914589	58° 6.935' N	3° 5.643' W	58.11558299	-3.094053841	494458.4784	6441582.351
42	335995.1396	914743.3585	ND3599514743	58° 7.021' N	3° 5.283' W	58.11701372	-3.088053325	494812.2282	6441741.164
43	336347.6475	914904.3567	ND3634714904	58° 7.111' N	3° 4.927' W	58.11851041	-3.082115201	495162.2829	6441907.357
44	336457.1715	914955.0793	ND3645714955	58° 7.139' N	3° 4.816' W	58.11898167	-3.080270318	495271.0343	6441959.694
45	336509.9752	914975.4286	ND3650914975	58° 7.150' N	3° 4.763' W	58.11917199	-3.079379731	495323.5264	6441980.822
46	336870.4208	915116.9401	ND3687015116	58° 7.230' N	3° 4.398' W	58.12049443	-3.073300902	495681.8064	6442127.65
47	337229.0805	915265.9351	ND3722915265	58° 7.313' N	3° 4.035' W	58.12188351	-3.067253942	496038.19	6442281.933
48	337585.0495	915419.613	ND3758515419	58° 7.399' N	3° 3.675' W	58.12331399	-3.061253428	496391.8141	6442440.859
49	337937.4307	915580.7217	ND3793715580	58° 7.489' N	3° 3.319' W	58.12481041	-3.055315302	496741.7411	6442607.161
50	338287.9935	915747.4341	ND3828715747	58° 7.581' N	3° 2.965' W	58.12635662	-3.049409021	497089.7671	6442779.039
51	338354.8139	915780.4864	ND3835415780	58° 7.600' N	3° 2.897' W	58.12666277	-3.048283509	497156.0851	6442813.076
52	338419.7278	915811.693	ND3841915811	58° 7.617' N	3° 2.831' W	58.12695206	-3.047189853	497220.5243	6442845.239
53	338767.6121	915984.8888	ND3876715984	58° 7.713' N	3° 2.480' W	58.12855575	-3.04133003	497565.7764	6443023.56
54	339110.9376	916163.6496	ND3911016163	58° 7.813' N	3° 2.133' W	58.13020851	-3.035548519	497906.3882	6443207.377
55	339215.6528	916220.1903	ND3921516220	58° 7.844' N	3° 2.027' W	58.13073069	-3.033785562	498010.2458	6443265.46
56	339393.1208	916316.0135	ND3939316316	58° 7.897' N	3° 1.848' W	58.13161558	-3.030797638	498186.2604	6443363.896
57	339452.5211	916348.0866	ND3945216348	58° 7.915' N	3° 1.788' W	58.13191176	-3.029797518	498245.1742	6443396.844
58	339789.5562	916538.944	ND3978916538	58° 8.020' N	3° 1.447' W	58.13367177	-3.024124843	498579.3176	6443592.663
59	340123.83	916735.4909	ND4012316735	58° 8.129' N	3° 1.110' W	58.13548225	-3.018499949	498910.616	6443794.129
60	340454.5583	916937.5784	ND4045416937	58° 8.241' N	3° 0.776' W	58.13734177	-3.012936097	499238.2875	6444001.083
61	340781.5968	917146.1473	ND4078117146	58° 8.356' N	3° 0.446' W	58.13925876	-3.007435962	499562.1739	6444214.463

ID	OSGB36 British National Grid			WGS84 Latitude - Longitude				WGS84 UTM Zone 30N	
	X_BNG	Y_BNG	NGR	Lat (DM.m)	Lon (DM.m)	Lat (DD)	Long (DD)	X_UTM30N	Y_UTM30N
62	341104.9981	917359.4743	ND4110417359	58° 8.473' N	3° 0.120' W	58.14121775	-3.001998201	499882.3533	6444432.546
63	341424.7849	917579.1989	ND4142417579	58° 8.594' N	2° 59.797' W	58.14323348	-2.996622832	500198.824	6444656.972
64	341740.9471	917804.6157	ND4174017804	58° 8.718' N	2° 59.479' W	58.14529962	-2.991309833	500511.5865	6444887.035
65	342052.5297	918034.6424	ND4205218034	58° 8.844' N	2° 59.165' W	58.14740635	-2.986075145	500819.702	6445121.64
66	342360.4852	918270.2803	ND4236018270	58° 8.974' N	2° 58.854' W	58.14956277	-2.980902834	501124.1078	6445361.802
67	342663.8737	918511.4622	ND4266318511	58° 9.106' N	2° 58.549' W	58.15176818	-2.975808838	501423.8653	6445607.439
68	342963.7127	918758.3279	ND4296318758	58° 9.241' N	2° 58.247' W	58.15402398	-2.9707759	501719.9897	6445858.707
69	343257.9557	919009.8111	ND4325719009	58° 9.379' N	2° 57.950' W	58.15632031	-2.965838518	502010.4507	6446114.508
70	343463.8055	919189.9081	ND4346319189	58° 9.478' N	2° 57.743' W	58.15796407	-2.962384999	502213.593	6446297.625
71	343469.429	919195.2957	ND4346919195	58° 9.481' N	2° 57.737' W	58.15801317	-2.962290763	502219.1356	6446303.095
72	343764.5442	919446.7741	ND4376419446	58° 9.619' N	2° 57.440' W	58.16030925	-2.957337462	502510.4687	6446558.905
73	344055.0933	919703.8673	ND4405519703	58° 9.759' N	2° 57.148' W	58.16265499	-2.952462457	502797.1533	6446820.261
74	344341.14	919965.635	ND4434119965	58° 9.903' N	2° 56.860' W	58.16504195	-2.947664435	503079.2671	6447086.225
75	344622.5275	920232.0006	ND4462220232	58° 10.048' N	2° 56.577' W	58.16746943	-2.942946047	503356.6542	6447356.716
76	344898.4884	920503.9864	ND4489820503	58° 10.197' N	2° 56.299' W	58.16994654	-2.938320572	503628.5324	6447632.747
77	345170.793	920779.6929	ND4517020779	58° 10.347' N	2° 56.025' W	58.17245643	-2.933757475	503896.6998	6447912.443
78	345437.5932	921061.0163	ND4543721061	58° 10.501' N	2° 55.757' W	58.17501592	-2.929288616	504159.2804	6448197.674
79	345699.8916	921347.0056	ND4569921347	58° 10.657' N	2° 55.494' W	58.1776166	-2.924896733	504417.2907	6448487.503
80	345957.5303	921637.5817	ND4595721637	58° 10.815' N	2° 55.235' W	58.18025776	-2.92058449	504670.5742	6448781.85
81	346208.7824	921931.9864	ND4620821931	58° 10.976' N	2° 54.983' W	58.18293237	-2.916381078	504917.4153	6449079.93
82	346455.4544	922230.9731	ND4645522230	58° 11.139' N	2° 54.735' W	58.18564743	-2.912255967	505159.6091	6449382.523
83	346697.6254	922534.6952	ND4669722534	58° 11.304' N	2° 54.492' W	58.18840435	-2.90820785	505397.2324	6449689.785
84	346933.3313	922842.0848	ND4693322842	58° 11.472' N	2° 54.256' W	58.19119328	-2.904269889	505628.3373	6450000.617
85	347164.447	923153.2702	ND4716423153	58° 11.641' N	2° 54.025' W	58.19401564	-2.900410241	505854.7964	6450315.177
86	347390.048	923469.0435	ND4739023469	58° 11.813' N	2° 53.799' W	58.19687843	-2.896644817	506075.6737	6450634.243
87	347408.8392	923497.2756	ND4740823497	58° 11.828' N	2° 53.780' W	58.19713421	-2.89633159	506094.0428	6450662.749
88	347428.4761	923524.56	ND4742823524	58° 11.843' N	2° 53.760' W	58.19738158	-2.896003759	506113.2715	6450690.32
89	347445.3339	923548.2141	ND4744523548	58° 11.856' N	2° 53.743' W	58.19759602	-2.895722374	506129.7754	6450714.22
90	347513.4858	923632.7528	ND4751323632	58° 11.902' N	2° 53.675' W	58.19836334	-2.894582261	506196.6613	6450799.755
91	347755.4909	923936.4293	ND4775523936	58° 12.067' N	2° 53.432' W	58.20111926	-2.890534144	506434.1192	6451106.969
92	347991.8903	924243.7579	ND4799124243	58° 12.234' N	2° 53.195' W	58.20390719	-2.886581583	506665.9181	6451417.752

ID	OSGB36 British National Grid			WGS84 Latitude - Longitude				WGS84 UTM Zone 30N	
	X_BNG	Y_BNG	NGR	Lat (DM.m)	Lon (DM.m)	Lat (DD)	Long (DD)	X_UTM30N	Y_UTM30N
93	348002.2234	924258.2895	ND4800224258	58° 12.242' N	2° 53.185' W	58.20403892	-2.886409047	506676.0338	6451432.435
94	348206.4332	924421.8614	ND4820624421	58° 12.332' N	2° 52.978' W	58.20553194	-2.882971451	506877.7815	6451599.008
95	348505.4024	924668.7627	ND4850524668	58° 12.467' N	2° 52.676' W	58.2077843	-2.877939834	507173.036	6451850.303
96	348728.2585	924859.1453	ND4872824859	58° 12.571' N	2° 52.451' W	58.20952004	-2.874190177	507393.029	6452043.959
97	349404.9954	923891.9799	ND4940423891	58° 12.055' N	2° 51.748' W	58.20091276	-2.862464938	508084	6451087
98	349952.9963	922874.677	ND4995222874	58° 11.510' N	2° 51.175' W	58.1918395	-2.852923966	508647	6450078
99	350362.673	921904.4355	ND5036221904	58° 10.990' N	2° 50.745' W	58.18317257	-2.845749729	509071	6449114
100	350487.9252	921515.5119	ND5048721515	58° 10.782' N	2° 50.612' W	58.17969392	-2.843537384	509202	6448727
101	350648.5588	921017.0452	ND5064821017	58° 10.514' N	2° 50.442' W	58.17523543	-2.840700797	509370	6448231
102	350828.0148	920169.2407	ND5082820169	58° 10.059' N	2° 50.248' W	58.16764171	-2.837471247	509562	6447386
103	350986.2504	919306.7489	ND5098619306	58° 9.595' N	2° 50.076' W	58.15991365	-2.834600562	509733	6446526
104	351055.3603	918099.5213	ND5105518099	58° 8.945' N	2° 49.990' W	58.14907967	-2.83317281	509820	6445320
105	351006.4126	916957.0551	ND5100616957	58° 8.329' N	2° 50.026' W	58.13881417	-2.833764292	509788	6444177
106	350878.5269	916156.8166	ND5087816156	58° 7.897' N	2° 50.146' W	58.1316133	-2.835767542	509672	6443375
107	350757.4145	915543.5089	ND5075715543	58° 7.566' N	2° 50.262' W	58.1260919	-2.837694437	509560	6442760
108	350533.4679	914672.6818	ND5053314672	58° 7.095' N	2° 50.479' W	58.11824628	-2.841311587	509349	6441886
109	350164.4031	913727.9927	ND5016413727	58° 6.583' N	2° 50.842' W	58.10972087	-2.847373747	508994	6440936
110	349594.792	912546.2344	ND4959412546	58° 5.943' N	2° 51.407' W	58.0990433	-2.856783889	508442	6439746
111	348932.425	911516.8747	ND4893211516	58° 5.383' N	2° 52.068' W	58.08972297	-2.867794551	507795	6438707
112	348163.531	910588.1087	ND4816310588	58° 4.878' N	2° 52.838' W	58.08129261	-2.88062773	507040	6437767
113	347428.4217	909846.8726	ND4742809846	58° 4.473' N	2° 53.575' W	58.07454911	-2.892924282	506316	6437015
114	346215.0774	908884.3175	ND4621508884	58° 3.946' N	2° 54.796' W	58.06575899	-2.913270205	505117.1271	6436034.636