

Aberdeen International Airport

MacFarlane M (Marc)

From: #ABZ Safeguarding <abzsafeguard@aairport.com>
Sent: 13 January 2023 11:43
To: MS Marine Renewables
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

This proposal is located outwith our consultation area. As such we have no comment to make and need not be consulted further.

Kind regards

Kirsteen

**Aberdeen International
Airport**



#ABZ Safeguarding

✉ abzsafeguard@aairport.com
🌐 www.aberdeenairport.com

📍 Aberdeen International Airport Limited, Dyce, Aberdeen, AB21 7DU

CURRENT HOLDER OF
FOLLOWING AWARDS

• **Scottish Airport of the Year 2022.**

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From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

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Dear Sir/Madam,

ELECTRICITY ACT 1989

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
The Electricity (Applications for Consent) Regulations 1990

MARINE (SCOTLAND) ACT 2010

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

On 11 August 2022 Highland Wind Limited ("the Applicant") submitted an application to the Scottish Ministers in accordance with the above legislation to construct and operate the Pentland

Floating Offshore Wind Farm at a site off the coast of Caithness and associated offshore transmission infrastructure (“the Applications”).

Highland Wind Limited has now submitted new documents and additional information in relation to:

- Ornithological surveys and associated methods informing the EIA Report including apportioning values, collision risk modelling, SeabORD, counterfactual for population size, counterfactual for growth rate, cumulative assessment and population viability assessment.
- Amendments to percentage changes in marine physical processes assessments along with any knock-on effects on previously submitted hydrodynamic change conclusions.
- Assessments on water quality/radioactive material.

All the documents submitted can be viewed online at: [Section 36 Consent - Pentland Floating Offshore Wind Farm - Dounreay, Caithness | Marine Scotland Information](#)

MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

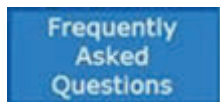
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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BT

MacFarlane M (Marc)

From: radionetworkprotection@bt.com
Sent: 04 January 2023 10:08
To: MS Marine Renewables
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023 WID11953. WID12028
Attachments: Pentland Floating Offshore Wind Farm - Section 36 and Marine Licences Application - Consultation - WID11953

Follow Up Flag: Follow up
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Categories: Saved in eRDM

OUR REF; WID11953, WID12028

Good Morning Marc

Thank you for your email dated 19/12/2022.

We have studied the proposed windfarm development, with respect to EMC and related problems to BT point-to-point microwave radio links. The conclusion is that, the Project indicated should not cause interference to BT's current and presently planned radio network. Please see original attached response

Kind Regards
Chris

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Dear Sir/Madam,

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MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

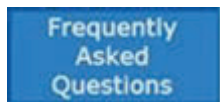
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We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

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**Department of Agriculture, Environment
and Rural Affairs**

MacFarlane M (Marc)

From: Pothanikat, Liz <Liz.Pothanikat@daera-ni.gov.uk>

Sent: 16 February 2023 14:29

To: Walker B (Ben) <Ben.Walker@gov.scot>; Bennett, Stephanie <Stephanie.Bennett@daera-ni.gov.uk>

Cc: Vincent, Claire <Claire.Vincent@daera-ni.gov.uk>

Subject: RE: Skerries and Causeway SAC - HRA Query

Hi Ben,

Thanks for your patience. Our response is below:

The applicant has screened in sites using marine mammal management units. Skerries and Causeway SAC sits within the West Scotland Management Unit for Harbour Porpoise and therefore has been included in Table 3.4 of the HRA. The site has been noted as requiring further assessment and Likely Significant Effect (LSE) cannot be ruled out. We consider this to be precautionary as the Skerries and Causeway SAC is 478km from the proposed development. Another Harbour Porpoise site, Inner Hebrides and the Minches SAC, is within 115km so on the basis of this we would have been content if Skerries and Causeway had been screened out leaving the closer site to be further assessed. However, we have no objection to it having been screened in as the applicant was adhering to their assessment criteria.

We agree with the conclusion in 8.6.3 that there will be no adverse effect on site integrity for Harbour Porpoise in the Skerries and Causeway SAC.

If you have any further queries, please get in touch.

Many thanks,
Liz

Dr. Liz Pothanikat | Senior Scientific Officer | Marine Conservation Advice Team | Marine Conservation and Reporting Branch | DAERA - Marine and Fisheries Division
1st Floor | Klondyke Building | Gasworks Business Park | Belfast | BT7 2JA
Contact: ✉ liz.pothanikat@daera-ni.gov.uk | ☎ tel: 028 90569421 | ☎ ext: 69421 | ☎ mobile: [Redacted]

To: Vincent, Claire <Claire.Vincent@daera-ni.gov.uk>; Bennett, Stephanie <Stephanie.Bennett@daera-ni.gov.uk>
Subject: Skerries and Causeway SAC - HRA Query

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Hi Claire and Stephanie,

Apologies I haven’t got the email address for the correct mailbox for HRA queries/consultations associated with offshore wind.
I’m hoping you can point me in the right direction with a HRA query on the Skerries and Causeway SAC.

Pentland offshore windfarm have identified their project as having an LSE on the Skerries and Causeway SAC.
The project is planned to be a floating windfarm off the north coast of Scotland, between Caithness and Orkney.

Could you advise on who would be best to have a look at their HRA – advising on if the LSE is correct, and if NE agree with the applicant’s conclusion of no AEoI?

I have attached the HRA, the relevant section is – Table 3.4 & Section 8.6.3

If you have any queries, please let me know.

Kind regards,
Ben

Ben Walker (He/Him)
Offshore Renewable Energy Projects Consenting Leader
Marine Scotland - Marine Planning & Policy

Scottish Government | Victoria Quay | Leith | Edinburgh | EH6 6QQ

Email: Ben.Walker@Gov.Scot
Phone:[Redacted]
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>

My normal working pattern is Mon-Fri 0800 - 1600

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MacFarlane M (Marc)

From: DAERA Marine Information Requests <Marine.InfoRequests@daera-ni.gov.uk>
Sent: 14 March 2023 09:11
To: MacFarlane M (Marc)
Subject: FW: Copeland Islands SPA and Rathlin Island SPA - HRA Query

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Mark

Please see the emails below showing MFD response to your query. Kind regards
Eamonn

Eamonn Brady | Marine Plan Team | Department for Agriculture, Environment and Rural Affairs
Level 1 | Klondyke Building | Cromac Avenue | Belfast | BT7 2JA



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From: Owens, Ronan <Ronan.Owens@daera-ni.gov.uk>
Sent: 13 March 2023 16:33
To: Pothanikat, Liz <Liz.Pothanikat@daera-ni.gov.uk>
Cc: DAERA Marine Information Requests <Marine.InfoRequests@daera-ni.gov.uk>; Macnamara, Claire <Claire.Macnamara@daera-ni.gov.uk>
Subject: RE: Copeland Islands SPA and Rathlin Island SPA - HRA Query

Hi Liz. We are content that the HRA has screened in breeding Fulmar at Rathlin Island SPA and breeding Manx Shearwater at Copeland Islands SPA.

We agree with the finding with the inclusion of mitigation (Section 6.1), of no adverse effect on site integrity on breeding Fulmar at Rathlin Island SPA.

Note the text on page 246: '9.41.4 Summary An assessment has been undertaken above for **gannet** for these additional SPAs screened in for *Appropriate Assessment*' -should this not be **Fulmar** rather than Gannet?

We agree with the finding with the inclusion of mitigation (Section 6.1), of no adverse effect on site integrity on breeding Manx Shearwater at Copeland Islands SPA.

Note on page 245: '9.41 Remaining SPAs Screened in for Fulmar: Rathlin Island SPA (<https://www.npws.ie/protected-sites/spa/004120>)' an incorrect website link is provided for Rathlin Island SPA which supports a nationally important population of breeding Fulmar. Rathlin Island SPA is located in Northern Ireland (<https://www.daera-ni.gov.uk/publications/rathlin-special-protection-area>). The link in the document is a link to Rathlin O' Birne Island SPA in the Republic of Ireland.

Regards
Ronan Owens

DAERA
NIEA
Biodiversity Unit
Ornithology
Klondyke Building
Belfast
BT7 2JA



Department of
**Agriculture, Environment
and Rural Affairs**
www.daera-ni.gov.uk

*Sustainability at the heart of a
living, working, active landscape
valued by everyone.*

From: Marc.MacFarlane@gov.scot <Marc.MacFarlane@gov.scot>
Sent: 28 February 2023 14:47
To: DAERA Marine Information Requests <Marine.InfoRequests@daera-ni.gov.uk>
Cc: Ben.Walker@gov.scot
Subject: Copeland Islands SPA and Rathlin Island SPA - HRA Query

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Good afternoon,

Firstly, thank you very much for your assistance on MS-LOT's Skerries and Causeway SAC query.

Further to my colleague Ben's correspondence on 30 January 2023 (attached), the developer behind Pentland Floating Offshore Wind Farm (based off of the north coast of the Scottish mainland) has also identified the project having likely significant effects on both the Copeland Islands SPA and Rathlin Island SPA.

The relevant parts of the Habitats Regulations Appraisal ([link](#)) are:

- Table 3.7 - Developer commits to screening in both SPAs for HRA;
- Table 9.20 - Developer states no adverse effect on site integrity for either SPA, provided relevant mitigation is followed; and
- Section 6.1 - Developer details mitigations.

Could you please confirm whether or not DAERA agrees with the developer's conclusion of no adverse effect on site integrity on either SPA?

Please let me know if I can be of any assistance.

Kind regards,
Marc

Marine Scotland - Licensing Operations Team (MS-LOT) is working from home and, as a result, is unable to respond to phone enquiries, please communicate with MS- LOT via email. Email addresses are MS.MarineRenewables@gov.scot for marine renewables correspondence or MS.MarineLicensing@gov.scot for all licensing queries.

Marc MacFarlane
Marine Licensing Casework Officer
Marine Scotland - Marine Planning & Policy

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

Email: Marc.MacFarlane@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>

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Food Standards Scotland

MacFarlane M (Marc)

From: James M (Marianne)
Sent: 26 January 2023 14:23
To: MS Marine Renewables
Cc: Walker B (Ben); Mckay J (John); McElhiney J (Jacqui)
Subject: RE: Pentland Floating Offshore Wind Farm - Section 36 and Marine Licences Application - Consultation - Response Requested by 14/12/2022

Follow Up Flag: Follow up
Flag Status: Flagged

Dear Marc and team,

Please find below a response from FSS that we have put together with advice from our radiological risk management colleagues at the FSA.

FSS shares the concerns raised by SEPA regarding the potential for remobilisation of currently buried particles. Risks to food safety would depend on the likelihood of this occurring, and FSS does not have the data or capability to assess this. However it would not be desirable for a situation to arise from these works which necessitated the extension of the current FEPA area, and so would require reassurance from SEPA that there is a very low likelihood of remobilisation.

We understand that further information has been requested from the applicant and will continue to liaise with SEPA on their assessment and implications with regard to the FEPA.

All the best,
Marianne

Dr Marianne James CSci MIFST (she/her)
Head of Risk Assessment
Science Delivery and Research
Food Standards Scotland
[Redacted]

marianne.james@fss.scot



From: MS Marine Renewables <MS.MarineRenewables@gov.scot>
Sent: 11 January 2023 17:36
To: McElhiney J (Jacqui) <Jacqui.Mcelhiney@fss.scot>; MS Marine Renewables <MS.MarineRenewables@gov.scot>
Cc: James M (Marianne) <Marianne.James@fss.scot>; Walker B (Ben) <Ben.Walker@gov.scot>; Mckay J (John) <John.Mckay@gov.scot>
Subject: RE: Pentland Floating Offshore Wind Farm - Section 36 and Marine Licences Application - Consultation - Response Requested by 14/12/2022

Historic Environment Scotland

MacFarlane M (Marc)

From: Laura Denholm <laura.denholm@hes.scot>
Sent: 10 January 2023 11:11
To: MS Marine Renewables
Subject: Pentland Floating Offshore Wind Farm - Additional Information - HES Response
Attachments: 20230110 Pentland Floating Offshore Wind Farm - Additional Information - HESResponse.pdf

Follow Up Flag: Follow up
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Categories: Saved in eRDM

Please see our response attached.

Kind regards

Laura

Laura Denholm | Business Support Officer – Casework Technician | Heritage Directorate Historic Environment Scotland | Àrainneachd Eachdraidheil Alba Longmore House, Salisbury Place, Edinburgh, EH9 1SH
T: 0131 668 8898
E: laura.denholm@hes.scot

We'd like your thoughts on our draft Regulatory Framework. Have your say by taking part in our short survey: Our Regulatory Framework

www.historicenvironment.scot

Your message is ready to be sent with the following file or link attachments:

20230110 Pentland Floating Offshore Wind Farm - Additional Information - HESResponse

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By email to:

MS.MarineRenewables@gov.scot

Marine Scotland (Marine Renewables)
Marine Laboratory
375 Victoria Road
Aberdeen
AB11 9DB

Longmore House
Salisbury Place
Edinburgh
EH9 1SH

Enquiry Line: 0131-668-8716

HMConsultations@hes.scot

Our case ID: 300046189

10 January 2023

Dear Marine Scotland

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 Pentland Floating Offshore Wind Farm - Additional Information

Thank you for your consultation which we received on 19 December 2022. We have considered it and its accompanying EIA Report in our role as a consultee under the terms of the above regulations. Our remit is world heritage sites, scheduled monuments and their setting, category A-listed buildings and their setting, and gardens and designed landscapes (GDLs) and battlefields in their respective inventories.

Our Advice

We have considered the information received and do not have any comments to make on the additional material submitted with this consultation. Our decision not to provide comments should not be taken as our support for the proposals. This application should be determined in accordance with national and local policy on development affecting the historic environment, together with related policy guidance.

Further Information

This response applies to the application currently proposed. An amended scheme may require another consultation with us.

Guidance about national policy can be found in our 'Managing Change in the Historic Environment' series available online at www.historicenvironment.scot/advice-and-support/planning-and-guidance/legislation-and-guidance/managing-change-in-the-historic-environment-guidance-notes/. Technical advice is available through our Technical Conservation website at www.englished.org.

Please contact us if you have any questions about this response. The officer managing this case is Urszula Szupczynska who can be contacted by phone on 0131 668 8983 or by email on Urszula.Szupczynska@hes.scot.

Yours faithfully

Historic Environment Scotland

Historic Environment Scotland – Longmore House, Salisbury Place, Edinburgh, EH9 1SH

Scottish Charity No. **SC045925**

VAT No. **GB 221 8680 15**

Maritime and Coastguard Agency

MacFarlane M (Marc)

From: navigation safety <navigationsafety@mcga.gov.uk>
Sent: 24 January 2023 14:12
To: MS Marine Renewables
Cc: Nick Salter; Vinu John; Helen Croxson
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

Good Morning Marc,

Thank you for the chance to comment on the Pentland Floating Offshore Wind Farm Additional Information Application Consultation.

The UK Technical Services Navigation team of the Maritime and Coastguard Agency has reviewed the documents received and can confirm that the MCA has no concerns with the additional information provided from the safety of navigation perspective.

Best regards,

Vaughan.

Vaughan Jackson
Offshore Renewables Project Lead
UK Technical Services Navigation

[Redacted]
vaughan.jackson@mcga.gov.uk



Maritime & Coastguard Agency
Bay 2/25, Spring Place
105 Commercial Road,
Southampton SO15 1EG



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www.gov.uk/mca

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MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

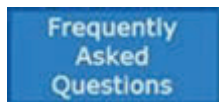
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Kind regards,
Marc

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Ministry of Defence

MacFarlane M (Marc)

From: Oulaghan, Teena C2 (DIO Estates-SafegdgMgr1) <Teena.Oulaghan100@mod.gov.uk>
Sent: 03 February 2023 15:51
To: MS Marine Renewables
Subject: 20230203_MOD_Response_Pentland Floating Offshore Wind Farm - Additional Information Application Consultation
Attachments: 20221102_MOD_Response_Letter.pdf
Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon,

Thank you for consulting the MOD on the Highland Wind Limited submitted documents and additional information in relation to:

- Ornithological surveys and associated methods informing the EIA Report including apportioning values, collision risk modelling, SeabORD, counterfactual for population size, counterfactual for growth rate, cumulative assessment and population viability assessment.
- Amendments to percentage changes in marine physical processes assessments along with any knock-on effects on previously submitted hydrodynamic change conclusions.
- Assessments on water quality/radioactive material.

I can confirm that following review of the documents the MOD has no comments to make and our response dated 02/11/2022 (attached for ease) remains extant.

Kindest regards

Teena

Teena Oulaghan | Safeguarding Manager
Defence Infrastructure Organisation
Estates | Safeguarding
DIO Head Office | St George's House | DMS Whittington | Lichfield | Staffordshire | WS14 9PY
Mobile: [Redacted]
Email: teena.oulaghan100@mod.gov.uk

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
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On 11 August 2022 Highland Wind Limited (“the Applicant”) submitted an application to the Scottish Ministers in accordance with the above legislation to construct and operate the Pentland Floating Offshore Wind Farm at a site off the coast of Caithness and associated offshore transmission infrastructure (“the Applications”).

Highland Wind Limited has now submitted new documents and additional information in relation to:

- Ornithological surveys and associated methods informing the EIA Report including apportioning values, collision risk modelling, SeabORD, counterfactual for population size, counterfactual for growth rate, cumulative assessment and population viability assessment.
- Amendments to percentage changes in marine physical processes assessments along with any knock-on effects on previously submitted hydrodynamic change conclusions.
- Assessments on water quality/radioactive material.

All the documents submitted can be viewed online at: [Section 36 Consent - Pentland Floating Offshore Wind Farm - Dounreay, Caithness | Marine Scotland Information](#)

MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

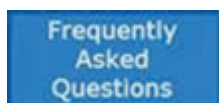
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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Defence Infrastructure Organisation

Teena Oulaghan
Safeguarding Manager
Ministry of Defence
Safeguarding
Defence Infrastructure Organisation
St George's House
DMS Whittington
Lichfield,
Staffordshire
WS14 9PY

Application Ref: Section 36
Our Reference: DIO10035413

Telephone: [Redacted]
E-mail: teena.oulaghan100@mod.gov.uk

Rebecca Bamlett
Scottish Government
Marine Laboratory
375 Victoria Road
Aberdeen
AB11 9DB

02 November 2022

Dear Rebecca,

ELECTRICITY ACT 1989

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
The Electricity (Applications for Consent) Regulations 1990

MARINE (SCOTLAND) ACT 2010

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

APPLICATION FOR CONSENT UNDER SECTION 36 OF THE ELECTRICITY ACT 1989 (AS AMENDED) AND MARINE LICENCES UNDER PART 4 OF THE MARINE (SCOTLAND) ACT 2010 TO CONSTRUCT AND OPERATE PENTLAND FLOATING OFFSHORE WINDFARM, OFF THE COAST OF DOUNRAY, CAITHNESS.

I write to confirm the safeguarding position of the Ministry of Defence (MOD) in relation to the above application to construct and operate the Pentland Floating offshore wind farm.

This scheme will comprise of up to 7 wind turbines, up to 320m in height (to blade tip) that will be located approximately 7.5 km off the coast of Dounreay, Caithness. In addition to the turbine structures there will be up to 7 associated floating substructures, up to 9 moorings for each floating substructure (63 in total), up to 9 anchors or piles for each floating substructure (63 in total), up to 7 inter-array cables, up to 2 offshore export cables, as well as associated scour protection and cable protection. The onshore components of the project will be subject to a separate application to the Highland Council under the Town and Country Planning (Scotland) Act 1997 (as amended).

The MOD has assessed the location and layout of the offshore element of the development scheme proposed. The scheme outlined will not physically impact upon MOD offshore Danger and Exercise Areas or adversely affect defence maritime navigational interests. However, the turbines will affect military low flying training activities that may be conducted in this area. To address the impact up on low flying given the location and scale of the development, the MOD would require that conditions are added to any consent(s) issued requiring that the development is fitted with aviation safety lighting and that sufficient data is submitted to ensure that structures can be accurately charted to maintain air traffic safety. Suggested wording for relevant conditions to implement this are set out in Annex A.

As a minimum the MOD would require that the development be fitted with MOD accredited aviation safety lighting.

The application for the marine licence (ref.00009992) to install the transmission cable from the floating wind farm to the shore defines a development zone, bounded by a red line in plan ref. A100671_S01_MarineLicenceApplication_Figure_02 dated 05/08/2022, in which the cable(s) and associated landfall installation works would be located, if consented. This cable works development zone abuts the site of the MOD Vulcan Naval Reactor Test Establishment (NRTE). The development zone defined in the application contains an area of foreshore leased by the MOD which contains a coolant water intake to the Vulcan facility which whilst no longer utilised is likely to be the subject of some maintenance operations in the near future.

The MOD therefore considers it necessary that any marine licence granted for the proposed installation of the transmission cables should include a condition that requires the applicant to submit a management plan, for the approval of the Marine Scotland, prior to the commencing of any works. This plan should set out measures and arrangements to maintain communication between the applicant, and their appointed contractors undertaking the works subject to this marine licence, with the Head of Establishment at the Vulcan Naval Reactor Test Establishment. The purpose of this plan will be to coordinate these works with any operations being undertaken at the Vulcan NRTE Site and to support the maintenance of site security requirements for the establishment. Suggested wording for a relevant condition to implement this is set out in Annex B.

The MOD therefore maintains no safeguarding objection to the proposed development of the Pentland Firth–floating offshore wind farm, subject to any consents granted including the conditions identified above.

I trust this adequately explains our position on this matter.

Yours sincerely,

[Redacted]

Teena Oulaghan
Safeguarding Manager

Enc. Annexes A and B

Annex A

Condition - Aviation Lighting

Prior to commencing construction of any wind turbine generators, or deploying any construction equipment or temporal structure(s) 50 metres or more in height (above mean sea level) the undertaker must submit an aviation lighting scheme for the approval of the Scottish Government in conjunction with the Ministry of Defence defining how the development will be lit throughout its life to maintain civil and military aviation safety requirements as determined necessary for aviation safety by the Ministry of Defence.

This should set out:

- a) details of any construction equipment and temporal structures with a total height of 50 metres or greater (above mean sea level) that will be deployed during the construction of wind turbine generators and details of any aviation warning lighting that they will be fitted with; and
- b) the locations and heights of all wind turbine generators and any anemometry mast featured in the development identifying those that will be fitted with aviation warning lighting identifying the position of the lights on the wind turbine generators; the type(s) of lights that will be fitted and the performance specification(s) of the lighting type(s) to be used.

Thereafter, the undertaker must exhibit such lights as detailed in the approved aviation lighting scheme. The lighting installed will remain operational for the lifetime of the development.

Reason for condition.

To maintain aviation safety.

Condition - Aviation Charting and Safety Management

The undertaker must notify the Ministry of Defence, at least 14 days prior to the commencement of the works, in writing of the following information:

- a) the date of the commencement of the erection of wind turbine generators;
- b) the maximum height of any construction equipment to be used in the erection of the wind turbines;
- c) the date any wind turbine generators are brought into use;
- d) the latitude and longitude and maximum heights of each wind turbine generator, and any anemometer mast(s).

The Ministry of Defence must be notified of any changes to the information supplied in accordance with these requirements and of the completion of the construction of the development.

Reason for condition.

To maintain aviation safety.

Annex B

Condition – transmission cable installation works management

Prior to commencing works to install the export cables, the undertaker must submit a management plan for the approval of the Scottish Government, in conjunction with the Ministry of Defence, defining: a schedule of the works to be undertaken providing details of the expected timescale for when these works and associated activities will be undertaken, as well as details of any work enclosures, or, deployments of temporal structures, or, plant equipment on the foreshore. The plan should also set out communicational protocols to maintain effective communication with the Head of Establishment at the Vulcan Naval Reactor Test Establishment to coordinate the works with operations undertaken at the facility.

Reason for condition.

To maintain operations and site security at the Vulcan Naval Reactor Test Establishment.

Natural England

Date: 13 February 2023
Our ref: 420048
Your ref: Pentland offshore windfarm



Marine Scotland
Marine Planning & Policy
Scottish Government
Victoria Quay
Leith, Edinburgh
EH6 6QQ

Lancaster House,
Hampshire Ct,
Newcastle upon
Tyne NE4 7YH

T 0300 060 3900

VIA Email ONLY

Dear Ben

Southern North Sea SAC - HRA Query

Thank you for your consultation dated 01 February 2023 The following constitutes Natural England's formal statutory response.

The Conservation of Habitats and Species Regulations 2017 (as amended) and The Conservation of Offshore Marine Habitats and Species Regulations 2017 (as amended)

We can confirm that the proposed works are not located within or in close proximity to any English Special Area of Conservation (SAC), including the Southern North Sea SAC. Natural England advises that providing the works are carried out in strict accordance with the details of the application submitted, it can be excluded that the application will have a significant effect on the Southern North Sea SAC, either individually or in combination with other plans or projects. Therefore it is our view that an Appropriate Assessment of the implications of this proposal on the site's conservation objectives should not be required.

For any queries relating to the content of this letter please contact me using the details provided below.

Yours sincerely

Ruth Cantrell
Marine Senior Adviser, Northumbria Team
E-mail: ruth.cantrell@naturalengland.org.uk
Work mobile: [Redacted]

NatureScot

MacFarlane M (Marc)

From: Kim McEwen <Kim.McEwen@nature.scot>
Sent: 23 February 2023 11:54
To: MS Marine Renewables
Cc: MacFarlane M (Marc); Mckay J (John); Walker B (Ben); Holland G (Gayle); Karen Taylor; Erica Knott
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - NatureScot Response
Attachments: 2023 02 23 - Pentland Floating Wind Farm - S36 and ML application - additional information - NatureScot response.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Good Morning,

Thank you for consulting us on the additional information consultation in relation to Pentland Floating Offshore Wind Farm and for granting us an extension – please find our response attached.

If you have any queries on our response please don't hesitate to get in touch.

Kind regards,
Kim

Kim McEwen | Marine Sustainability Adviser

NatureScot | Eastbank | East Road | Kirkwall | KW15 1LX | t: 01463 701 671 m: [Redacted]

NàdarAlba | Bruach an Ear | Rathad an Ear | Kirkwall | KW15 1LX

nature.scot – Scotland's Nature Agency – Buidheann Nàdair na h-Alba - [@nature_scot](https://twitter.com/nature_scot)

From: MS Marine Renewables <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS Marine Renewables <MS.MarineRenewables@gov.scot>
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Dear Sir/Madam,

ELECTRICITY ACT 1989

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
The Electricity (Applications for Consent) Regulations 1990

MARINE (SCOTLAND) ACT 2010

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

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Highland Wind Limited has now submitted new documents and additional information in relation to:

- Ornithological surveys and associated methods informing the EIA Report including apportioning values, collision risk modelling, SeabORD, counterfactual for population size, counterfactual for growth rate, cumulative assessment and population viability assessment.
- Amendments to percentage changes in marine physical processes assessments along with any knock-on effects on previously submitted hydrodynamic change conclusions.
- Assessments on water quality/radioactive material.

All the documents submitted can be viewed online at: [Section 36 Consent - Pentland Floating Offshore Wind Farm - Dounreay, Caithness | Marine Scotland Information](#)

MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

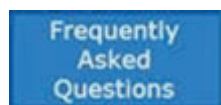
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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Thoiribh an aire airson adhbharan gnothaich, 's dòcha gun tèid sùil a chumail air puist-dealain a' tighinn a-steach agus a' dol a- mach bho NàdarAlba.

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Marc MacFarlane
Marine Scotland – Licensing Operations Team
Marine Laboratory
PO Box 101
375 Victoria Road
Aberdeen
AB11 9DB

23 February 2023

Our ref: CNS/REN/OSWF/
DEMONSTRATION SITE Project
Highland

By email only: MS.MarineRenewables@gov.scot

Dear Marc,

**APPLICATION FOR CONSENT UNDER SECTION 36 OF THE ELECTRICITY ACT 1989
MARINE LICENCE UNDER PART 4 OF THE MARINE (SCOTLAND) ACT 2010
TO CONSTRUCT AND OPERATE THE PENTLAND FLOATING OFFSHORE WIND FARM**

Thank you for consulting NatureScot (20 December 2022) on the additional information submitted in relation to the Section 36 and Marine Licence applications for the proposed Pentland Floating Offshore Wind Farm.

In our response sent on 13 October 2022 we requested clarification on a number of aspects in relation to the ornithology impact assessment. In particular, we requested clarification around apportioning values, Atlantic puffin displacement and the Population Viability Assessments (PVAs) for Atlantic puffin and black-legged kittiwake.

The applicant has provided clarification on a number of these points, including the apportioning values and around the scaling for the Atlantic puffin SeabORD assessment. We have reviewed the information provided and a summary of our advice is provided below with detailed comments provided in Appendix 1.

As Marine Scotland is the competent authority, our advice is provided to assist with the appropriate assessment in considering the impacts on protected interests of European Sites.

NatureScot advice

We have reviewed the additional information (Document No. GBPNTD-PGM-PEN-RP-00001) and gone back through the Environmental Impact Assessment Report (EIAR) and Report to Inform Appropriate Assessment (RIAA) to inform this advice. In addition, we have sought external input to enable us to re-run the assessment through the revised version of SeabORD and Natural England PVA tool, as updated through the Cumulative Effects Framework (CEF).

We advise that the Pentland Floating Offshore Wind Farm on its own will not cause an adverse effect on site integrity to any Special Protection Area (SPA). However, in-combination with the consented Moray Firth wind farms, **this proposal will have an adverse effect on site integrity for:**

- Atlantic puffin as a qualifying interest of the North Caithness Cliffs SPA.

In addition, having reviewed the figures presented for kittiwake we advise in-combination with North Sea wind farms **there could be an adverse effect on site integrity for:**

- Black-legged kittiwake as a feature of the North Caithness Cliffs SPA.

Therefore, we object to this proposal. The key impacts are displacement for Atlantic puffin and collision risk and displacement for black-legged kittiwake. Our detailed ornithology advice is provided in Appendix 1.

We hope this advice is of assistance. If further information or advice is required please contact Kim McEwen (kim.mcewen@nature.scot; 01463 701 671) in the first instance.

Yours sincerely,

[Redacted]

Nick Halfhide

Director of Nature and Climate Change

Battleby, Redgorton, Perth PH1 3EW
Battleby, Ràth a' Ghoirtein, Peairt PH1 3EW
01738 444177 nature.scot

NatureScot is the operating name of Scottish Natural Heritage

Appendix 1 – Detailed ornithology advice

Summary of key effects

Our advice, based on this additional information and our further assessment including the results of the revised SeabORD and PVA modelling has concluded:

- **An adverse impact on site integrity for Atlantic puffin as a qualifying interest of the North Caithness Cliffs SPA in-combination** with the Moray Firth offshore wind farms (Beatrice, Moray East and Moray West). The key impact is displacement.
- **There could be an adverse impact on site integrity for black- legged kittiwake as a qualifying interest of the North Caithness Cliffs SPA in-combination** with the North Sea wind farms.¹ The key impact is collision risk and displacement.

Atlantic puffin

The applicant's displacement assessment for Atlantic puffin uses the two different types of approach:

- SeabORD for the proposal alone: and
- The SNCB matrix approach for the in-combination assessment.

We welcome the applicant's use of SeabORD in the displacement assessment, particularly as this is the first time the tool has been used outwith the Forth and Tay region. However, as we have reviewed this work, we note that there are sensitivities around setting the utilisation distribution within the distance decay function, which we consider has resulted in more birds utilising a smaller area of the foraging range. We also wanted to compare outputs from SeabORD for the Moray Firth developments. In our assessment we have therefore explored the use of SeabORD for the three consented Moray Firth wind farms and have adjusted the distance decay utilisation distribution accordingly. In addition, it was unclear from the information provided by the applicant whether chick survival had been accounted for in the PVA models. Therefore, we included scenarios with and without chick survival in our assessment and we provide our conclusion on these below.

Our assessment outputs from SeabORD have confirmed the concerns we have previously expressed in our consultation response (13 October 2022) over the potential displacement impact to Atlantic puffin in-combination with the Moray Firth wind farms. In particular, we advise that the counterfactual for population size (CPS), for all in-combination scenarios results in figures less than 90% of the un-impacted population size after 25 years. The counterfactual for population growth rate (CGR) results are also of concern in our in-combination scenarios. Table 1 below summarises the in-combination model metrics for the proposal.

¹ North Sea wind farms is a collective term for those wind farms situated in the North Sea BDMPS area either constructed, consented or submitted.

Table 1. Atlantic puffin at North Caithness Cliffs SPA in-combination scenarios and estimated counterfactual metric from PVAs

Scenario	Counterfactual of Population Size (CPS)	Counterfactual of Growth Rate (CGR)
NatureScot – PFOWF and Moray Firth SeabORD - Chick Survival Impacts Excluded	0.832	0.829
NatureScot – PFOWF and Moray Firth SeabORD - Chick Survival Impacts Included	0.794	0.795
Moray Firth Matrix - mortality 1%	0.875	0.995
Moray Firth Matrix - mortality 2%	0.764	0.99
PFOWF SeabORD mod MF Matrix mortality 1%	0.844	0.994
PFOWF SeabORD good MF Matrix mortality 1%	0.857	0.994

Therefore, **we conclude that Pentland Floating Offshore Wind Farm in-combination with Moray Firth wind farms will lead to an adverse effect on site integrity at the North Caithness Cliffs SPA for Atlantic puffin from displacement effects.**

Black-legged kittiwake

In terms of considering displacement effect on black-legged kittiwake, this is a relatively new aspect requested within offshore wind ornithological assessment and has to date been carried out only in Scotland for the consented Moray West wind farm within the Moray Firth cluster. This application has not recalculated displacement values for other North Sea offshore wind farms and this will only be requested once the Cumulative Effects Framework is published for new applications.

For black-legged kittiwake in the North Caithness Cliffs SPA, we have reviewed the outputs in Table 6 of Technical Appendix 12.5 of the EIA and Table 4 in Annex C of the additional information and are unable to conclude no adverse effect on site integrity in-combination.

Table 2. Black-legged kittiwake at North Caithness Cliffs SPA scenarios and estimated counterfactual metric from PVAs as presented in Annex C of the additional information

Scenario	Counterfactual of Population Size (CPS) (95% CI)	Counterfactual of Growth Rate (CGR) (95% CI)
1. PFOWF SeabORD and CRM mean densities	0.981 (0.909-1.061)	0.999 (0.997-1.002)

2. PFOWF SeabORD and CRM max densities	0.975 (0.898-1.045)	0.999 (0.996-1.002)
3. PFOWF SeabORD and CRM mean densities; Moray Firth (matrix 30% / 2%) and CRM mean densities	0.96 (0.891-1.039)	0.998 (0.996-1.001)
4. North Sea wind farm non-breeding CRM mean densities (excluding PFOWF and Moray Firth)	0.873 (0.807-0.939)	0.995 (0.992-0.997)
5. Scenarios 3 and 4 together	0.840 (0.773-0.910)	0.993 (0.990-0.996)

The CPS in scenarios 4 and 5 (the scenarios that include the North Sea wind farms non-breeding collision risk modelling densities) are 87% and 84% (of the un-impacted population size after 25 years) respectively, both of which are of concern. However, there is more uncertainty in these results due to the assumption that the list of projects included in this scenario will all be consented and built out - noting that between consent and build out there can be design iterations reducing the realistic worst case scenarios.

We have concluded that Pentland Floating Offshore Wind Farm in-combination with North Sea wind farms could lead to an adverse effect on site integrity at the North Caithness Cliffs SPA for black-legged kittiwake from collision risk and displacement effects.

Black-legged kittiwake is undergoing a steep decline across UK waters even without predicted wind farm impacts. The in-combination CPS results with the North Sea wind farm scenarios predict an adverse impact on site integrity. This population decline indicates the need for urgent conservation action, in addition to any actions that may be considered as part of derogation cases for offshore wind farms.

Highly Pathogenic Avian Influenza (HPAI)

We have considered HPAI in our assessment, but we have not accounted for HPAI quantitatively. However, we note these species may be subject to pressures from this outbreak of HPAI and for black-legged kittiwake there is very little resilience in the UK population overall as noted above.

Compensatory measures

If Marine Scotland are minded to consent this application, there may be a requirement for consideration of a derogation package if the appropriate assessment concludes there is an adverse effect on site integrity for both or either species.

MacFarlane M (Marc)

From: Kim McEwen <Kim.McEwen@nature.scot>
Sent: 24 February 2023 13:45
To: MacFarlane M (Marc)
Cc: MS Marine Renewables; Mckay J (John); Walker B (Ben); Holland G (Gayle); Karen Taylor; Erica Knott
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - NatureScot Response

Follow Up Flag: Follow up
Flag Status: Flagged

Good afternoon Marc,

Thank you for getting in touch regarding Pentland Floating Offshore Wind Farm.

From our assessment we agree with those sites considered as having a likely significant effect including how these have been apportioned (we note from the additional information document ref: GBPNTD-PGM-PEN-RP-00001, received 20 December 2022, that the apportioned values we queried are all correct in the originally submitted Technical Appendices supporting the EIAR and RIAA; these were the values used in the assessment and the errors identified were typos). As such, we advise no adverse effect on site integrity for any other SPA apart from in-combination impacts to North Caithness Cliffs SPA in relation to the puffin and kittiwake features, as outlined in our advice dated 23 February 2023.

We hope this advice is of assistance.

Kind regards,
Kim

Kim McEwen | Marine Sustainability Adviser

NatureScot | Eastbank | East Road | Kirkwall | KW15 1LX | t: 01463 701 671 m: [Redacted]

NàdarAlba | Bruach an Ear | Rathad an Ear | Kirkwall | KW15 1LX

nature.scot – Scotland's Nature Agency – Buidheann Nàdair na h-Alba - @nature_scot

From: Marc.MacFarlane@gov.scot <Marc.MacFarlane@gov.scot>
Sent: 24 February 2023 09:56
To: Kim McEwen <Kim.McEwen@nature.scot>; MS.MarineRenewables@gov.scot
Cc: John.Mckay@gov.scot; Ben.Walker@gov.scot; Gayle.Holland@gov.scot; Karen Taylor <Karen.Taylor@nature.scot>; Erica Knott <Erica.Knott@nature.scot>
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - NatureScot Response

Good morning Kim,

Thank you very much for submitting the response. After review, MS-LOT appreciates the project's potential impacts on the North Caithness Cliffs SPA. However, could NatureScot please confirm if any other SPAs should be included in the Appropriate Assessment?

Kind regards,
Marc

From: Kim McEwen <Kim.McEwen@nature.scot>

Sent: 23 February 2023 11:54

To: MS Marine Renewables <MS.MarineRenewables@gov.scot>

Cc: MacFarlane M (Marc) <Marc.MacFarlane@gov.scot>; Mckay J (John) <John.Mckay@gov.scot>; Walker B (Ben) <Ben.Walker@gov.scot>; Holland G (Gayle) <Gayle.Holland@gov.scot>; Karen Taylor <Karen.Taylor@nature.scot>; Erica Knott <Erica.Knott@nature.scot>

Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - NatureScot Response

Good Morning,

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If you have any queries on our response please don't hesitate to get in touch.

Kind regards,
Kim

Kim McEwen | Marine Sustainability Adviser

NatureScot | Eastbank | East Road | Kirkwall | KW15 1LX | t: 01463 701 671 m: [Redacted]

NàdarAlba | Bruach an Ear | Rathad an Ear | Kirkwall | KW15 1LX

nature.scot – Scotland's Nature Agency – Buidheann Nàdair na h-Alba - [@nature_scot](https://twitter.com/nature_scot)

From: MS Marine Renewables <MS.MarineRenewables@gov.scot>

Sent: 19 December 2022 16:04

To: MS Marine Renewables <MS.MarineRenewables@gov.scot>

Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Dear Sir/Madam,

ELECTRICITY ACT 1989

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

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MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

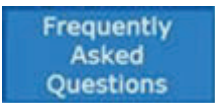
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

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General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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Thoiribh an aire airson adhbharan gnothaich, 's dòcha gun tèid sùil a chumail air puist-dealain a' tighinn a-steach agus a' dol a- mach bho NàdarAlba.

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Northern Lighthouse Board

MacFarlane M (Marc)

From: Adam Lewis <Adam.Lewis@nlb.org.uk> on behalf of navigation <navigation@nlb.org.uk>
Sent: 21 December 2022 10:24
To: MS Marine Renewables
Subject: RE: [EXT] Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Saved in eRDM
Objective: -1

Good morning,

NLB do not consider this additional information to have any impact upon the response provided to the original consultation submitted in August 2022.

NLB have no comment to provide with regard to this additional information.

Regards

Adam

Official - Northern Lighthouse Board Email

Adam Lewis
Coastal Inspector

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: [EXT] Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Dear Sir/Madam,

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MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

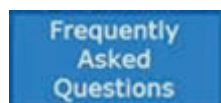
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
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Orkney Islands Council

MacFarlane M (Marc)

From: harbours <harbour@orkney.gov.uk>
Sent: 02 February 2023 12:41
To: MS Marine Renewables
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Classification: OFFICIAL

Hi Marc

Good afternoon!

Many thanks for your email below.

Having enquired whether the Harbour Master, and any other relevant personnel, wished to make any comments regarding this matter, we confirm we have no comment to make.

Many thanks
Tanya

Tanya Digby
Marine Services and Transportation
Orkney Islands Council
Harbour Authority Building
Scapa, Orkney
KW15 1SD
Tel: 01856 873636
Email: harbours@orkney.gov.uk
Web: www.orkneyharbours.com



From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
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We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

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Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

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**Royal Society for the Protection of
Birds**

MacFarlane M (Marc)

From: Catherine Kelham <Catherine.Kelham@RSPB.ORG.UK>
Sent: 20 February 2023 15:53
To: MS Marine Renewables
Cc: MacFarlane M (Marc); Mcginn T (Toni-Marie); Walker B (Ben); Aly McCluskie
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023
Attachments: 20230320 RSPB Response PFOWF.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Saved in eRDM
Objective: -1

Hi Marc,

I'm very sorry for the delayed response. Please find our response attached.

Best wishes,

Catherine

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>

Sent: 19 December 2022 16:04

To: MS.MarineRenewables@gov.scot

Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

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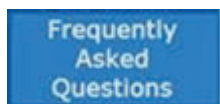
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Marc

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Mr MacFarlane,
MS-LOT
Marine Scotland
By email: MS.MarineRenewables@gov.scot



20th February 2023

Dear Marc,

Application for consent under Section 36 of the Electricity Act 1989 (as amended) and Marine Licences under Part 4 of the Marine (Scotland) Act 2010 to construct and operate Pentland Floating Offshore Wind Farm

Thank you for re-consulting RSPB Scotland on the above application following the submission of additional information by the applicant. We apologise that we could not get full comments to you before 5th February.

While the RSPB welcome the further information supplied by the Applicant, and despite discussions with them, we continue to have concerns over the validity of merging of the SeaBORD and matrix approaches to calculate in-combination barrier effects and displacement impacts. The Applicant has now provided details of the matrix only approach, and this is welcome. There is however no full year in combination PVA output presented for kittiwake for this approach and so the RSPB has had to rely on the mixed approach for conclusions on the kittiwake population detailed below.

SeabORD and the matrix are two very different approaches and combining them is misleading. In particular, SeaBORD includes chick mortality in the model calculations while the matrix approach does not. For long lived species, the abandonment of a breeding attempt (and consequent chick mortality) is a much more likely response to additional stress associated with the presence of a wind farm than adult mortality, as considered by the matrix approach. The greater biological realism of the SeaBORD model is acknowledged by the Applicant and this acknowledgement is welcome.

We also previously raised concerns about the buffer. NatureScot guidance¹ is clear that

¹ <https://www.nature.scot/doc/guidance-note-8-guidance-support-offshore-wind-applications-marine-ornithology-advice-assessing>

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for most species, a wind farm zone of influence (buffer) should be for 2km from the wind farm. The only exceptions given are for those species that require a larger buffer, such as divers and seaduck. For puffin the Applicant has now provided an assessment with a 2km buffer for the matrix approach. This we welcome. They have not however provided it for the SeaBORD modelling. For the in-combination assessment carried out for puffin, the Applicant has only included the PFOWF without the 2km, against the advice of NatureScot and the RSPB. For kittiwake, neither approach considers any buffer. This again is contrary to advice and impedes assessment of the impacts.

Given the indicative scale of impacts, particularly in combination, the RSPB would recommend that a full in-combination assessment is carried out using SeaBORD for kittiwake, puffin, and guillemot. We have sympathy that the proposed development is relatively small in size compared to other developments that may later come forward and also benefit from this work. As such, we would welcome further discussion with the Applicant and NatureScot to find a way forward. A potential solution, which would require initiation by Marine Scotland Science and NatureScot, would be to use the emerging Cumulative Effects Framework. The RSPB would give any support required to this approach.

Until such an approach is taken, we consider the assessment to be inadequate. We therefore **maintain our objection** to the proposed development due to the unquantified in-combination barrier effect and displacement impact on seabirds, especially puffin and kittiwake, both of which are qualifying species of the North Caithness Cliffs SPA.

In regard to the predicted impacts from the development:

Kittiwake, with matrix for project alone and breeding season only for in-combination

Using the matrix approach, *without* the recommended 2km buffer, the impacts associated with Pentland Floating Offshore Wind Farm, arising from combined collision and displacement impacts, *alone* over 30 years are predicted to result in the annual population growth rate of kittiwake at North Caithness Cliffs SPA declining. This is a result of a predicted ratio of impacted to unimpacted population growth rate of 0.999. This means that after the 30-year lifetime of PFOWF, the kittiwake population size of North Caithness Cliffs SPA is expected to be **98.1%** with a 1% displacement mortality of what it would have been in the absence of the development and **97.7%** of what it would have been for 3% mortality.

While the RSPB acknowledge that this is a comparatively small impact, in the context of the catastrophic decline in Scottish kittiwake population and the additional potential

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impact of Highly Pathogenic Avian Influenza, this is an unacceptable impact, and so the RSPB maintain their objection to the development.

The impacts associated with Pentland Floating Offshore Wind Farm *in combination with other Moray Firth wind farms* over 30 years are predicted to result in the annual population growth rate of kittiwake at North Caithness Cliffs SPA declining, with a ratio of impacted to unimpacted population growth rate of 0.999 for 1% mortality and 0.998 for 3% mortality. This means that after the 30-year lifetime of PFOWF, the kittiwake population size of North Caithness Cliffs SPA is expected to be **96.3%** of what it would have been in the absence of the development with a 1% mortality and **95.3%** of what it would have been with 3% mortality.

A summary is provided in Table 1 below. As above however, the lack of buffer and use of the matrix approach (which has less biological realism compared to the SeaBORD model) means these outputs do not represent best available assessment of impacts.

Table 1: Combined collision and displacement impacts to Kittiwake population (North Caithness Cliffs SPA)

	Approach	Buffer	Predicted ratio of impacted to unimpacted population growth rate over 30-year lifetime		Population size after 30-year lifetime as a percentage of what it would have been in the absence of the development	
			1% displacement mortality	3% displacement mortality	1% displacement mortality	3% displacement mortality
Alone	Matrix	none	0.999	0.999	98.1%	97.7%
In-combination with other Moray Forth Windfarms (breeding season only)	Matrix	none	0.999	0.998	96.3%	95.3%

In addition, the RSPB note that for the combined SeaBORD and matrix approach (see in Annex C, table 4 of the response to NatureScot), the combined displacement and collision impacts over 25 years are predicted to result in the annual population growth rate of kittiwake at North Caithness Cliffs SPA declining, with a ratio of impacted to

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unimpacted population growth rate of 0.993. This means that after 25 years of impact from PFOWF, the kittiwake population size of North Caithness Cliffs SPA is expected to be **84.0%** of what it would have been in the absence of the development.

In the context of the catastrophic decline in Scottish kittiwake population and the additional potential impact of Highly Pathogenic Avian Influenza, this is an unacceptable impact, and so the RSPB maintain their objection to the development.

Puffin, using matrix approach only.

As set out in Table 2, Using the matrix approach to displacement and barrier effects only, the impacts associated with Pentland Floating Offshore Wind Farm with 2km buffer during the breeding season *alone* over 25 years are predicted to result in the annual population growth rate of puffin at North Caithness Cliffs SPA declining. This is a result of a ratio of impacted to unimpacted population growth rate of 0.979 for 3% mortality and 0.964 for 5% mortality. This means that after the 30-year lifetime of PFOWF, the puffin population size of North Caithness Cliffs SPA is expected to be **51.5%** of what it would have been in the absence of the development for 3% mortality and **32.5%** of what it would have been for 5% mortality. While the RSPB acknowledge the shortcomings of the matrix approach this is clearly is an unacceptable impact, and so the RSPB maintain their objection to the development.

Table 2: Combined collision and displacement impacts to Puffin population (North Caithness Cliffs SPA)

	Approach	Buffer	Predicted ratio of impacted to unimpacted population growth rate over 30-year lifetime		Population size after 30-year lifetime as a percentage of what it would have been in the absence of the development	
			3% displacement mortality	5% displacement mortality	3% displacement mortality	5% displacement mortality
Alone (breeding season only)	Matrix	2km	0.979	0.964	51.5%	32.5%
In-combination with North Sea windfarms	Matrix	none	0.984	0.974	61.6%	44.2%

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rspb.org.uk



The RSPB is part of BirdLife International, a Partnership of conservation organisations working to give nature a home around the world.

The impacts associated with Pentland Floating Offshore Wind Farm without 2km buffer and *in combination with other North Sea wind farms* over 30 years are predicted to result in the annual population growth rate of puffin at North Caithness Cliffs SPA declining. This is due to a ratio of impacted to unimpacted population growth rate of 0.984 with 3% mortality and 0.974 with 5%. This means that after the 30-year lifetime of PFOWF, the puffin population size of North Caithness Cliffs SPA is expected to be **61.6%** of what it would have been in the absence of the development with a 3% mortality and **44.2%** of what it would have been for 5%. As above, the lack of buffer does not reflect the advice of NatureScot or RSPB. Nevertheless and also notwithstanding the shortcomings of the matrix approach, there is again an unacceptable impact in-combination with the North Sea windfarms. RSPB therefore maintain our objection to the development in this regard to this also.

In summary:

- **RSPB maintain our objection** to the proposed development due to the unquantified in-combination barrier effect and displacement impact on seabirds, especially puffin and kittiwake, both of which are qualifying species of the North Caithness Cliffs SPA.
- RSPB support a full in-combination assessment is carried out using SeaBORD for kittiwake, puffin, and guillemot, and would support this being carried out through the emerging Cumulative Effects Framework.
- Notwithstanding the above, on the basis of the information available RSPB consider the impacts to kittiwake (alone and in combination) and puffin (alone and in combination) are unacceptable and, as such the proposed development would have an adverse impact on site integrity with regard to the North Caithness Cliffs SPA. **The proposed development therefore cannot be permitted unless the derogation tests are met.**

I trust this of assistance and once again, I apologise in the delay in getting these comments to you. Should you have any questions or require further information, please get in contact.

Yours sincerely,

[Redacted]

Senior Marine Conservation Planner
RSPB Scotland

RSPB Scotland Headquarters
2 Lochside View
Edinburgh Park
Edinburgh
EH12 9DH

Tel: 0131 317 4100
Facebook: @RSPBScotland
Twitter: @RSPBScotland
rspb.org.uk



The RSPB is part of BirdLife International, a Partnership of conservation organisations working to give nature a home around the world.

Royal Yachting Association

MacFarlane M (Marc)

From: Pauline McGrow <Pauline.McGrow@ryascotland.org.uk>
Sent: 23 December 2022 11:55
To: MS Marine Renewables
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Saved in eRDM
Objective: -1

Hi Marc,

I write to inform you that RYA Scotland has no comment that they wish to make on this application.

Kind Regards

Pauline

Pauline McGrow
Senior Administrator
Mob: [Redacted]

Royal Yachting Association Scotland
T: 0131 317 7388
E: pauline.mcgrow@ryascotland.org.uk



RYA Scotland, Caledonia House, 1 Redheughs Rigg, South Gyle, Edinburgh, EH12 9DQ
T: 0131 317 7388, Fax: 0844 556 9549

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From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>

Sent: 19 December 2022 16:04

To: MS.MarineRenewables@gov.scot

Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Dear Sir/Madam,

ELECTRICITY ACT 1989

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
The Electricity (Applications for Consent) Regulations 1990

MARINE (SCOTLAND) ACT 2010

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

On 11 August 2022 Highland Wind Limited (“the Applicant”) submitted an application to the Scottish Ministers in accordance with the above legislation to construct and operate the Pentland Floating Offshore Wind Farm at a site off the coast of Caithness and associated offshore transmission infrastructure (“the Applications”).

Highland Wind Limited has now submitted new documents and additional information in relation to:

- Ornithological surveys and associated methods informing the EIA Report including apportioning values, collision risk modelling, SeabORD, counterfactual for population size, counterfactual for growth rate, cumulative assessment and population viability assessment.
- Amendments to percentage changes in marine physical processes assessments along with any knock-on effects on previously submitted hydrodynamic change conclusions.
- Assessments on water quality/radioactive material.

All the documents submitted can be viewed online at: [Section 36 Consent - Pentland Floating Offshore Wind Farm - Dounreay, Caithness | Marine Scotland Information](#)

MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy

Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046

General Email: MS.MarineRenewables@gov.scot

Website: <http://www.gov.scot/Topics/marine/Licensing/marine>

Frequently
Asked
Questions

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**Scottish Environmental Protection
Agency**

MacFarlane M (Marc)

From: Planning.North <Planning.North@sepa.org.uk>
Sent: 31 January 2023 11:39
To: MS Marine Renewables
Cc: Peter Moore; sian.hatton@nature.scot; MacFarlane M (Marc); 'simon.hindson@highland.gov.uk'; James M (Marianne)
Subject: SEPA Response 7752 Pentland Floating Offshore Windfarm
Attachments: SEPA Response 7752.pdf

OFFICIAL

Please see attached response from SEPA.

Regards
Clare

Clare Pritchett

Senior Planning Officer
Planning Service, SEPA
Email: planning.north@sepa.org.uk
Telephone: [Redacted]
Part Time: Tuesday, Wednesday & Thursday

Disclaimer

This advice is given without prejudice to any decision made on elements of the proposal regulated by us, as such a decision may take into account factors not considered at this time. We prefer all the technical information required for any SEPA consents to be submitted at the same time as the planning or similar application. However, we consider it to be at the applicant's commercial risk if any significant changes required during the regulatory stage necessitate a further planning application or similar application and/or neighbour notification or advertising. We have relied on the accuracy and completeness of the information supplied to us in providing the above advice and can take no responsibility for incorrect data or interpretation, or omissions, in such information.

If we have not referred to a particular issue in our response, it should not be assumed that there is no impact associated with that issue. For planning applications, if you did not specifically request advice on flood risk, then advice will not have been provided on this issue. Further information on our consultation arrangements generally can be found on our [website planning pages](#).

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OFFICIAL

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

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Dear Sir/Madam,

ELECTRICITY ACT 1989

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The Electricity (Applications for Consent) Regulations 1990

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MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046

General Email: MS.MarineRenewables@gov.scot

Website: <http://www.gov.scot/Topics/marine/Licensing/marine>

Our Ref: 7752
Your Ref: 9992

By email only to: MS.MarineRenewables@gov.scot

SEPA Email Contact:
planning.north@sepa.org.uk

31 January 2023

Dear Marc MacFarlane

ELECTRICITY ACT 1989 - The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 & The Electricity (Applications for Consent) Regulations 1990
MARINE (SCOTLAND) ACT 2010 - The Marine Works (Environmental Impact Assessment) (Scotland) Regulations 2017
TO CONSTRUCT AND OPERATE PENTLAND FLOATING OFFSHORE WINDFARM OFF THE COAST OF DOUNREAY, CAITHNESS

Further to our response to you of 29 September 2022 (SEPA Ref 6301), we have reviewed the additional information provided.

Advice for the determining authority

We withdraw our objection and request that the matters outlined below are addressed by **condition** attached to any grant of consent/licence.

1. Not later than six months prior to the commencement of the works, a Particles Management Plan (PMP) shall be submitted to the licensing authority for its written approval in consultation with SEPA;
2. The PMP shall be consistent with the marine licence application and supporting documents and shall include, but not be limited to, the following:
 - a. A programme of scheduled monitoring for radioactive particles.
 - b. The measures to be taken to reduce the likelihood of irradiated fuel particles in sediment being suspended or disturbed;
 - c. A waste management plan for the construction phase of the development.
3. There shall be no commencement of the works unless and until the PMP is approved in writing by the licensing authority, in consultation with SEPA;
4. Any proposed amendment to the approved PMP shall be submitted, in writing, to the licensing authority for its written approval, in consultation with SEPA. The proposed amendment shall be submitted to the licensing authority no later than 6 months prior to the anticipated implementation of the proposed amendment (or such shorter period as may be



Chairman
Bob Downes

CEO
Nicole Paterson

Angus Smith Building
6 Parklands Avenue
Eurocentral
Holytown,
North Lanarkshire, ML1 4WQ

Tel: 03000 99 66 99
www.sepa.org.uk

agreed with the licensing authority in writing). No amendment to the PMP shall take effect unless and until approved in writing by the licensing authority in consultation with SEPA;

5. The PMP approved under part (1) and any amended PMP approved under part (4) shall thereafter be implemented in full.

Reason: For the protection of the public and the environment

From the information provided, SEPA still have concerns regarding the impact that this proposed development will have on the potential re-suspension and re-distribution of irradiated fuel particles in the offshore Dounreay environment and the subsequent risk to the public. This condition should cover all works. We recommend that these measures be applied to the waters outside of the FEPA area ie the windfarm itself and all associated offshore transmission structures due to the lack of particle survey and recovery data in this area. It is possible that particles may be present in areas that have not been monitored, so we recommend that the same approach is used to prevent particles arriving on local beaches.

The Radiation Risk Assessment undertaken by Nuvia (Appendix D as referred to) for this application is for the purposes of IRR17 i.e. for the health and safety of workers. This is not an adequate risk assessment to establish whether the activities to be undertaken during construction will disturb irradiated fuel particles and increase the likelihood of these being found on the beaches surrounding the Dounreay site and the subsequent risk to the public and the environment. The Particles Management Plan in the proposed condition must consider this and any mitigating work, including monitoring and retrieval, that will be undertaken to ensure that the risk to the public and the environment from irradiated fuel particles is not increased due to the work undertaken as part of this application.

SEPA is happy to review any documentation relating to the irradiated particles, including monitoring and measures to be taken, and the impact of the development going forward

SEPA note that it is no longer possible to amend the EIA document submitted in support of the development application or what is scoped into that assessment and note the acknowledgement of the applicant with regard to the terms that will be used going forward.

If you have queries relating to this letter, please contact us at the email above including our reference number in the email subject.

Yours sincerely

Clare Pritchett
Senior Planning Officer
Planning Service

Ecopy to: pem@cop.dk; sian.hatton@nature.scot; marc.macfarlane@gov.scot;
simon.hindson@highland.gov.uk

Disclaimer: This advice is given without prejudice to any decision made on elements of the proposal regulated by us, as such a decision may take into account factors not considered at this time. We prefer all the technical information required for any SEPA consents to be submitted at the same time as the planning or similar application. However, we consider it to be at the applicant's commercial risk if any significant changes required during the regulatory stage necessitate a further planning application or similar application and/or neighbour notification or advertising. We have relied on the accuracy and completeness of the information

supplied to us in providing the above advice and can take no responsibility for incorrect data or interpretation, or omissions, in such information. If we have not referred to a particular issue in our response, it should not be assumed that there is no impact associated with that issue. For planning applications, if you did not specifically request advice on flood risk, then advice will not have been provided on this issue. Further information on our consultation arrangements generally can be found on our [website planning pages - www.sepa.org.uk/environment/land/planning/](http://www.sepa.org.uk/environment/land/planning/).

Scottish Fishermen's Federation

MacFarlane M (Marc)

From: Malcolm Morrison <M.Morrison@sff.co.uk>
Sent: 07 February 2023 11:04
To: MS Marine Renewables
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

Marc,

The Scottish Fishermen's Federation (SFF) on behalf of the 450 plus fishing vessels in membership of its constituent associations, The Anglo Scottish Fishermen's Association, Fife Fishermen's Association, Fishing Vessel Agents and Owners Association, Mallaig & North West Fishermen's Association, Orkney Fisheries Association, Scottish Pelagic Fishermen's Association, the Scottish White Fish Producer's Association, Shetland Fishermen's Association and in consultation with the chair of the NECrIFG, are pleased to respond to this consultation.

The additional information is welcome, and we would particularly support the position offered by SEPA, having the sediment monitoring added to the suite of monitoring that is needed for all the impacts of the development, it could be an important part of ensuring the benthos remains capable of sustainable fisheries,
Rgds, Malcolm

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Dear Sir/Madam,

ELECTRICITY ACT 1989

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The Electricity (Applications for Consent) Regulations 1990

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- Amendments to percentage changes in marine physical processes assessments along with any knock-on effects on previously submitted hydrodynamic change conclusions.
- Assessments on water quality/radioactive material.

All the documents submitted can be viewed online at: [Section 36 Consent - Pentland Floating Offshore Wind Farm - Dounreay, Caithness | Marine Scotland Information](#)

MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

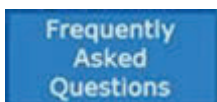
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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Scottish Water

MacFarlane M (Marc)

From: Angela Allison <Angela.Allison@SCOTTISHWATER.CO.UK> on behalf of Planning Consultations <PlanningConsultations@scottishwater.co.uk>
Sent: 21 December 2022 09:52
To: MS Marine Renewables
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023
Attachments: Planning Consultation Pentland Offshore.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Saved in eRDM

Good Morning,

Please see the letter attached.

Kind regards,

Angela

Angela Allison

Technical Analyst
North Regional Team
Strategic Development
Development Services

Dedicated Freephone Helpline : 0800 389 0379

Business Email: Angela.Allison@scottishwater.co.uk

Business Weblink: <https://www.scottishwater.co.uk/Business-and-Developers/Connecting-to-Our-Network>

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WANT TO KNOW MORE - EMAIL:
developmentoperations@scottishwater.co.uk

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Water**
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SW Public
General

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>

Sent: 19 December 2022 16:04

To: MS.MarineRenewables@gov.scot

Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

EXTERNAL MAIL - Think Before You Click

Dear Sir/Madam,

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- . Assessments on water quality/radioactive material.

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MS-LOT would appreciate any comments you may have on the new documents and additional information to be submitted to MS.MarineRenewables@gov.scot by 5th February 2023

If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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Scottish Water

www.scottishwater.co.uk

Wednesday, 21 December 2022



MS.MarineRenewables@gov.scot

Development Operations
The Bridge
Buchanan Gate Business Park
Cumbernauld Road
Stepps
Glasgow
G33 6FB

Development Operations
Freephone Number - 0800 3890379
E-Mail - DevelopmentOperations@scottishwater.co.uk
www.scottishwater.co.uk



Dear Customer,

Pentland Floating Offshore Wind Farm, Dounreay, KW14 7YB
Our Ref: DSCAS-0032446-B6L
Proposal: Wind Farm

Please quote our reference in all future correspondence

Audit of Proposal

Scottish Water has no objection to this planning application; however, the applicant should be aware that this does not confirm that the proposed development can currently be serviced. Please read the following carefully as there may be further action required. Scottish Water would advise the following:

Asset Impact Assessment

Scottish Water records indicate that there is live infrastructure in the proximity of your development area that may impact on existing Scottish Water assets.

The applicant must identify any potential conflicts with Scottish Water assets and contact our Asset Impact Team via our Customer Portal for an appraisal of the proposals.

The applicant should be aware that any conflict with assets identified will be subject to restrictions on proximity of construction. Please note the disclaimer at the end of this response.

Written permission must be obtained before any works are started within the area of our apparatus

Drinking Water Protected Areas

A review of our records indicates that there are no Scottish Water drinking water catchments or water abstraction sources, which are designated as Drinking Water Protected Areas under the Water Framework Directive, in the area that may be affected by the proposed activity.

Surface Water

For reasons of sustainability and to protect our customers from potential future sewer flooding, Scottish Water will not accept any surface water connections into our combined sewer system.

There may be limited exceptional circumstances where we would allow such a connection for brownfield sites only, however this will require significant justification from the customer taking account of various factors including legal, physical, and technical challenges.

In order to avoid costs and delays where a surface water discharge to our combined sewer system is anticipated, the developer should contact Scottish Water at the earliest opportunity with strong evidence to support the intended drainage plan prior to making a connection request. We will assess this evidence in a robust manner and provide a decision that reflects the best option from environmental and customer perspectives.

General notes:

- ▶ Scottish Water asset plans can be obtained from our appointed asset plan providers:
 - ▶ Site Investigation Services (UK) Ltd
 - ▶ Tel: 0333 123 1223
 - ▶ Email: sw@sisplan.co.uk
 - ▶ www.sisplan.co.uk

I trust the above is acceptable however if you require any further information regarding this matter please contact me on **0800 389 0379** or via the e-mail address below or at planningconsultations@scottishwater.co.uk.

Yours sincerely,

Angela Allison

Development Services Analyst

PlanningConsultations@scottishwater.co.uk

Scottish Water Disclaimer:

"It is important to note that the information on any such plan provided on Scottish Water's infrastructure, is for indicative purposes only and its accuracy cannot be relied upon. When the exact location and the nature of the infrastructure on the plan is a material requirement then you should undertake an appropriate site investigation to confirm its actual position in the ground and to determine if it is suitable for its intended purpose. By using the plan you agree that Scottish Water will not be liable for any loss, damage or costs caused by relying upon it or from carrying out any such site investigation."

Sport Scotland

MacFarlane M (Marc)

From: Kerry Gibson <Kerry.Gibson@sportscotland.org.uk>
Sent: 01 February 2023 14:54
To: MS Marine Renewables
Subject: FW: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Saved in eRDM
Objective: -1

Good Afternoon,

Thanks for the above consultation. I have reviewed the report and have consulted with RYAS and can confirm that **sportscotland** have no objections. The additional information is not relevant to recreational interests.

If you require any further assistance, please let me know.

Thanks.
Kerry

Kerry Gibson | Planner | **sportscotland**
Doges | Templeton on the Green | 62 Templeton Street | Glasgow | G40 1DA

| m: [Redacted]
w: www.sportscotland.org.uk

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From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: [EXTERNAL] Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

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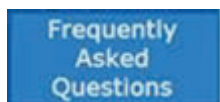
If you have any queries please do not hesitate to contact MS-LOT.

We would be grateful if you could please confirm receipt of this e-mail.

Kind regards,
Marc

Marine Scotland - Marine Planning & Policy
Scottish Government | Marine Laboratory | 375 Victoria Road | Aberdeen | AB11 9DB

General Queries: +44 (0)300 244 5046
General Email: MS.MarineRenewables@gov.scot
Website: <http://www.gov.scot/Topics/marine/Licensing/marine>



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Aithris-àichidh – Tha am post-d seo dìomhair agus air a rùnachadh a-mhàin don neach gu bheil e air a sheòladh. Mura h-e thusa an neach sin, feuch gun cuir thu às don phost-d seo is ceangalan sam bith agus leth-bhreacan uile, agus cuir fios sa bhàd gu an neach-seòlaidh. Cuimhnich mas e do thoil e gu bheil cleachdadh neo-ùghdarraichte sam bith air an sgrìobhainn seo air a thoirmeasg gu tur.

Mar bhuidheann poblach, tha **spòrsalba** a' tighinn fo riathanasan an Achd Saorsa Fiosrachaidh (Alba) 2002 a thaobh foillseachadh air fiosrachadh sam bith (a' gabhail a-steach conaltradh eileagtronaigeach) a dh'fhaodadh a bhith aige mu chuspair sònraichte, nuair a thèid sin iarraidh air le neach no buidheann sam bith. Ma bhios dragh ann mu dheidhinn seo, is urrainn do **spòrsalba** comhairleachadh mun chùis. Gus teagamh a sheachnadh, bidh co-dhùnadh **spòrsalba** deireannach a thaobh ceistean foillseachaidh is neo-fhoillseachaidh.

Is e **spòrsalba** a tha a' gleidheadh dàta pearsanta a bheir sibh dhuinn ann am puist-dealain sam bith.

Thoiribh an aire gum bi an dàta pearsanta a bheir sibh dhuinn air a stòradh agus/no air a ghiullachd le **spòrsalba** gus seirbheisean a lìbhrigeadh no conaltradh ribh. Feuch gun tèid sibh gu <https://sportscotland.org.uk/privacy/> airson tuilleadh fiosrachaidh mu làimhseachadh air an dàta phearsanta agaibh.

The Highland Council

MacFarlane M (Marc)

From: Simon Hindson (Planning (South)) <Simon.Hindson@highland.gov.uk>
Sent: 13 February 2023 17:11
To: MS Marine Renewables
Cc: Dafydd Jones (Planning (North)); Peter Moore; Alison Harvey (Planning (North))
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

Good Afternoon Marc,

Apologies for the delay in responding on this consultation.

Having discussed with the Area Planning Manager, as the Additional Environmental Information is related to matters which are responsibilities of other consultees on the application, The Highland Council do not wish to comment further on the FEI. The Council's consideration of the application and consultation response which we forwarded to you on 14 December 2022 remains the Council's position on the application.

Please note I am moving roles at the end of this week and Alison Harvey will be the main contact for the application at THC going forward.

Kind Regards,

Simon

Simon Hindson
Team Leader – Strategic Projects Team

From: MS.MarineRenewables@gov.scot <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS.MarineRenewables@gov.scot
Subject: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

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Dear Sir/Madam,

ELECTRICITY ACT 1989

The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
The Electricity (Applications for Consent) Regulations 1990

MARINE (SCOTLAND) ACT 2010

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On 11 August 2022 Highland Wind Limited ("the Applicant") submitted an application to the Scottish Ministers in accordance with the above legislation to construct and operate the Pentland

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Highland Wind Limited has now submitted new documents and additional information in relation to:

- Ornithological surveys and associated methods informing the EIA Report including apportioning values, collision risk modelling, SeabORD, counterfactual for population size, counterfactual for growth rate, cumulative assessment and population viability assessment.
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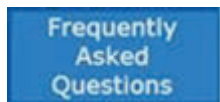
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Marc

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Mura h-eil na beachdan a tha air an cur an cèill sa phost-d seo a' buntainn ri gnothachas Chomhairle na Gàidhealtachd, 's ann leis an neach fhèin a chuir air falbh e a tha iad, is chan eil iad an-còmhnaidh a' riochdachadh

beachdan na Comhairle, no buidhnean buntainneach, agus chan eil am post-d seo na phàirt de chunradh sam bith mura h-eil sin air innse.

Transport Scotland

MacFarlane M (Marc)

From: McPhillips G (Gerard)
Sent: 03 February 2023 15:11
To: MS Marine Renewables
Cc: LOGAN Lesley
Subject: RE: Pentland Floating Offshore Wind Farm - Additional Information Application Consultation - Response due by 05 February 2023

Follow Up Flag: Follow up
Flag Status: Flagged

FAO Marc MacFarlane, MS.MarineRenewables@gov.scot

Marc

Thank you for the opportunity for Transport Scotland to comment on the Additional Information submitted in support of the Pentland Floating Offshore Wind Farm. Transport Scotland has been consulted throughout the application process for this development and agreed in our response of 21st January 2021 that any assessment associated with increased traffic on the trunk road would be scoped out of the Environmental Impact Assessment Report (EIAR).

I understand that the Additional Information comprises the following:

- Ornithological surveys
- Amendments to percentage changes in marine physical processes assessments
- Assessments on water quality/radioactive material

As these topics have no bearing on the issue of Traffic and Transport, I can confirm that Transport Scotland has no further comment to make at this time.

Regards.

Gerard



Gerard McPhillips
Transport Scotland
Development Management Quality Manager
Roads Directorate
T: 0141 272 7379
M: [Redacted]
gerard.mcphillips@transport.gov.scot
transport.gov.scot

From: MS Marine Renewables <MS.MarineRenewables@gov.scot>
Sent: 19 December 2022 16:04
To: MS Marine Renewables <MS.MarineRenewables@gov.scot>
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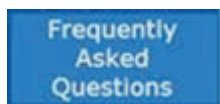
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Marc

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