

# MONA OFFSHORE WIND PROJECT

## Response to Moir Vannin Offshore Wind Farm Limited ExQ1 Responses

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Image of an offshore wind farm

**MONA OFFSHORE WIND PROJECT**

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## MONA OFFSHORE WIND PROJECT

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## MONA OFFSHORE WIND PROJECT

### Glossary

Term	Meaning
Applicant	Mona Offshore Wind Limited.
Appropriate Assessment	A step-wise procedure undertaken in accordance with Article 6(3) of the Habitats Directive, to determine the implications of a plan or project on a European site in view of the site's conservation objectives, where the plan or project is not directly connected with or necessary to the management of a European site but likely to have a significant effect thereon, either individually or in-combination with other plans or projects.
Bodelwyddan National Grid Substation	This is the Point of Interconnection (POI) selected by the National Grid for the Mona Offshore Wind Project.
Competent Authority	Regulation 6(1) defines competent authorities as "any Minister, government department, public or statutory undertaker, public body of any description or person holding a public office".
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for one or more Nationally Significant Infrastructure Project (NSIP).
Environmental Statement	The document presenting the results of the Environmental Impact Assessment (EIA) process for the Mona Offshore Wind Project.
Evidence Plan Process	The Evidence Plan process is a mechanism to agree upfront what information the Applicant needs to supply to the Planning Inspectorate as part of the Development Consent Order (DCO) applications for the Mona Offshore Wind Project.
Expert Working Group (EWG)	Expert working groups set up with relevant stakeholders as part of the Evidence Plan process.
Inter-array cables	Cables which connect the wind turbines to each other and to the offshore substation platforms. Inter-array cables will carry the electrical current produced by the wind turbines to the offshore substation platforms.
Interconnector cables	Cables that may be required to interconnect the Offshore Substation Platforms in order to provide redundancy in the case of cable failure elsewhere.
Intertidal access areas	The area from Mean High Water Springs (MHWS) to Mean Low Water Springs (MLWS) which will be used for access to the beach and construction related activities.
Intertidal area	The area between MHWS and MLWS.
Landfall	The area in which the offshore export cables make contact with land and the transitional area where the offshore cabling connects to the onshore cabling.
Local Authority	A body empowered by law to exercise various statutory functions for a particular area of the United Kingdom. This includes County Councils, District Councils and County Borough Councils.
Local Highway Authority	A body responsible for the public highways in a particular area of England and Wales, as defined in the Highways Act 1980.
Marine licence	The Marine and Coastal Access Act 2009 requires a marine licence to be obtained for licensable marine activities. Section 149A of the Planning Act 2008 allows an applicant for a DCO to apply for a 'deemed' marine licence as part of the DCO process. In addition, licensable activities within 12nm of the Welsh coast require a separate marine licence from Natural Resource Wales (NRW).

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Term	Meaning
Maximum Design Scenario (MDS)	The scenario within the design envelope with the potential to result in the greatest impact on a particular topic receptor, and therefore the one that should be assessed for that topic receptor.
Mona 400kV Grid Connection Cable Corridor	The corridor from the Mona onshore substation to the National Grid substation at Bodelwyddan.
Mona Array Area	The area within which the wind turbines, foundations, inter-array cables, interconnector cables, offshore export cables and offshore substation platforms (OSPs) forming part of the Mona Offshore Wind Project will be located.
Mona Array Scoping Boundary	The Preferred Bidding Area that the Applicant was awarded by The Crown Estate as part of Offshore Wind Leasing Round 4.
Mona Offshore Cable Corridor	The corridor located between the Mona Array Area and the landfall up to MHWS, in which the offshore export cables will be located.
Mona Offshore Cable Corridor and Access Areas	The corridor located between the Mona Array Area and the landfall up to MHWS, in which the offshore export cables will be located and in which the intertidal access areas are located.
Mona Offshore Transmission Infrastructure Scoping Search Area	The area that was presented in the Mona Scoping Report as the area encompassing and located between the Mona Potential Array Area and the landfall up to MHWS, in which the offshore export cables will be located.
Mona Offshore Wind Project	The Mona Offshore Wind Project is comprised of both the generation assets, offshore and onshore transmission assets, and associated activities.
Mona Offshore Wind Project Boundary	The area containing all aspects of the Mona Offshore Wind Project, both offshore and onshore.
Mona Offshore Wind Project PEIR	The Mona Offshore Wind Project Preliminary Environmental Information Report (PEIR) that was submitted to The Planning Inspectorate (on behalf of the Secretary of State) and NRW for the Mona Offshore Wind Project.
Mona Offshore Wind Project Scoping Report	The Mona Scoping Report that was submitted to The Planning Inspectorate (on behalf of the Secretary of State) and NRW for the Mona Offshore Wind Project.
Mona Onshore Cable Corridor	The corridor between MHWS at the landfall and the Mona onshore substation, in which the onshore export cables will be located.
Mona Onshore Development Area	The area in which the landfall, onshore cable corridor, onshore substation, mitigation areas, temporary construction facilities (such as access roads and construction compounds), and the connection to National Grid substation will be located
Mona Onshore Transmission Infrastructure Scoping Search Area	The area that was presented in the Mona Scoping Report as the area located between MHWS at the landfall and the onshore National Grid substation, in which the onshore export cables, onshore substation and other associated onshore transmission infrastructure will be located.
Mona PEIR Offshore Cable Corridor	The corridor presented at PEIR that was consulted on during statutory consultation and has subsequently been refined for the application for Development Consent. It is located between the Mona Array Area and the landfall up to MHWS, in which the offshore export cables and the offshore booster substation will be located.
Mona PEIR Offshore Wind Project Boundary	The area presented at PEIR containing all aspects of the Mona Offshore Wind Project, both offshore and onshore. This area was the boundary consulted on during statutory consultation and subsequently refined for the application for Development Consent.

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Term	Meaning
Mona Potential Array Area	The area that was presented in the Mona Scoping Report and in the PEIR as the area within which the wind turbines, foundations, meteorological mast, inter-array cables, interconnector cables, offshore export cables and OSPs forming part of the Mona Offshore Wind Project were likely to be located. This area was the boundary consulted on during statutory consultation and subsequently refined for the application for Development Consent.
Mona Proposed Onshore Development Area	The area presented at PEIR in which the landfall, onshore cable corridor, onshore substation, mitigation areas, temporary construction facilities (such as access roads and construction compounds), and the connection to National Grid infrastructure will be located. This area was the boundary consulted on during statutory consultation and subsequently refined for the application for Development Consent.
Mona Scoping Report	The Mona Scoping Report that was submitted to The Planning Inspectorate (on behalf of the Secretary of State) and NRW for the Mona Offshore Wind Project.
National Policy Statement (NPS)	The current national policy statements published by the Department for Energy Security & Net Zero in 2024.
Non-statutory consultee	Organisations that an applicant may choose to consult in relation to a project who are not designated in law but are likely to have an interest in the project.
Offshore Substation Platform (OSP)	The offshore substation platforms located within the Mona Array Area will transform the electricity generated by the wind turbines to a higher voltage allowing the power to be efficiently transmitted to shore.
Offshore Wind Leasing Round 4	The Crown Estate auction process which allocated developers preferred bidder status on areas of the seabed within Welsh and English waters and ends when the Agreements for Lease (AfLs) are signed.
Pre-construction site investigation surveys	Pre-construction geophysical and/or geotechnical surveys undertaken offshore and, or onshore to inform, amongst other things, the final design of the Mona Offshore Wind Project.
Point of Interconnection	The point of connection at which a project is connected to the grid. For the Mona Offshore Wind Project, this is the Bodelyyddan National Grid Substation.
Relevant Local Planning Authority	The Relevant Local Planning Authority is the Local Authority in respect of an area within which a project is situated, as set out in Section 173 of the Planning Act 2008. Relevant Local Planning Authorities may have responsibility for discharging requirements and some functions pursuant to the DCO, once made.
the Secretary of State for Business, Energy and Industrial Strategy	The decision maker with regards to the application for development consent for the Mona Offshore Wind Project.
Statutory consultee	Organisations that are required to be consulted by an applicant pursuant to the Planning Act 2008 in relation to an application for development consent. Not all consultees will be statutory consultees (see non-statutory consultee definition).
Wind turbines	The wind turbine generators, including the tower, nacelle and rotor.
The Planning Inspectorate	The agency responsible for operating the planning process for NSIPs.



## MONA OFFSHORE WIND PROJECT

### Acronyms

Acronym	Description
AfL	Agreement for Lease
BEIS	Department for Business, Energy and Industrial Strategy
BNG	Biodiversity net gain
DCO	Development Consent Order
EIA	Environmental Impact Assessment
EnBW	Energie Baden-Württemberg AG
EWG	Expert Working Group
HVAC	High Voltage Alternating Current
IEF	Important Ecological Feature
IEMA	Institute for Environmental Management and Assessment
ISAA	Information to support the Appropriate Assessment
MDS	Maximum Design Scenario
MHWS	Mean High Water Springs
MLWS	Mean Low Water Springs
NBB	Net Benefits for Biodiversity
NRW	Natural Resources Wales
NSIP	Nationally Significant Infrastructure Project
NTS	Non-Technical Summary
OSP	Offshore Substation Platform
PDE	Project Design Envelope
PEI	Preliminary Environmental Information
PEIR	Preliminary Environmental Information Report
POI	Point of Interconnection
SAC	Special Area of Conservation
SoCC	Statement of Community Consultation
SPA	Special Protection Area
TCE	The Crown Estate
WTW	Wildlife Trust Wales
TWT	The Wildlife Trusts

### Units

Unit	Description
GW	Gigawatt

## MONA OFFSHORE WIND PROJECT

Unit	Description
km	Kilometres
km <sup>2</sup>	Kilometres squared
kV	Kilovolt
MW	Megawatt
nm	Nautical miles



# **1 Response to Moir Vannin Offshore Wind Farm Limited ExQ1 Responses**

## **1.1 Introduction**

1.1.1.1 The Applicant has responded to Moir Vannin Offshore Wind Farm Limited ExQ1 Responses below.

## 2 Response to Moir Vannin Offshore Wind Farm Limited ExQ1 Responses

Table 2.1: REP3-101 - Moir Vannin Offshore Wind Farm Limited

Planning Inspectorate Ref. No.	Question is addressed to	ExA Question	Moor Vannin Offshore Wind Farm Limited response	Applicant's response
REP3-101.1	Moor Vannin Offshore Wind Farm Limited	<p>Q1.3.7 Cumulative effects on Primary Surveillance Radar</p> <p>The Applicant responded to your Relevant Representation in [PDA-008], Table 2.45, ID RR- 045.8.</p> <ul style="list-style-type: none"> <li>With reference to [APP-075], is MVOWFL satisfied that the Applicant's assessment has correctly assessed the potential project alone and cumulative effects on PSR?</li> <li>Does MVOWFL wish to make any further submissions in relation to the assessment or mitigation of potential interference with PSR?</li> </ul>	<p>MVOWFL has reviewed the Applicant's assessment presented in APP-075 and is satisfied that the assessment has been prepared in accordance with the methods and guidance as expected for a development of this type.</p> <p>At this point, MVOWFL does not have any specific comments regarding the Applicant's assessment of the potential project alone or cumulative effects on PSR.</p> <p>MVOWFL note that the mitigation proposed by the applicant for Ronaldsway Airport includes 'radar blanking and airspace change application and/or improvement of the airport MLAT system'. MVOWFL wish to reiterate to the Applicant our desire to discuss strategic mitigation with other East Irish Sea developers and Ronaldsway Airport.</p>	<p>Further to completion of the Applicant's impact assessment for aviation and radar, Ronaldsway Airport have established the need to commission an aviation surveillance strategy to identify and address the Airport's safeguarding requirements in response to onshore and offshore renewable energy project proposals in the eastern and western Irish Sea. It is expected that the Airport will lead on any strategic requirements associated with implementation of the aviation surveillance strategy.</p>
REP3-101.2	Moor Vannin Offshore Wind Farm Limited	<p>Q1.15.9 Cumulative effects including Moor Vannin</p> <p>The Applicant responded to your Relevant Representation in [PDA-008], Table 2.45, ID RR-045.7.</p> <ul style="list-style-type: none"> <li>To what extent do you agree with the methodology and conclusions of the Applicant's assessment of shipping and navigation effects, as set out in [APP-059]?</li> </ul>	<p>MVOWFL has reviewed the Applicant's assessment in APP-059, as well as the Navigational Risk Assessment in APP-098 and does not have any specific comments regarding the assessment methodology.</p> <p>The Applicant has carried out an assessment in accordance with the guidance stipulated by MGN-654, as would be expected for a development of this type. With regard to the conclusions, MVOWFL is currently in the process of carrying out its own assessment of project alone and cumulative shipping and navigation effects, which will be reported in its application for Marine Infrastructure Consent to the Isle of Man Government in March 2025. As this process is currently ongoing, MVOWFL does not wish to comment on the conclusions of the Applicant's assessment as it has not been actively involved in its process.</p>	<p>The Applicant notes the MVOWFL response. The Applicant would highlight that MVOWFL attended the Cumulative Regional Navigation Risk Assessment 'Hazard' workshop help in September 2023.</p>
REP3-101.3	Moor Vannin Offshore Wind Farm Limited	<p>Q1.15.10 Cumulative effects including Moor Vannin</p> <p>The ES for the Proposed Development concludes that there is the potential for moderate adverse effects (which are significant in EIA terms) in terms of collision and allision when the Mona array is considered cumulatively with other plans and projects [APP-059]. This is attributed to risks arising in the 2.5 nautical mile wide route that would be formed between the proposed Morgan offshore array and the proposed Moor Vannin Offshore Wind Farm. The Applicant proposes no further mitigation of these effects because it assumes that they will be considered through the cumulative assessments to be undertaken for the other projects, most notably Moor Vannin.</p> <ul style="list-style-type: none"> <li>Can you provide any update as to the cumulative navigational risk assessment that you are undertaking in respect of Moor Vannin and any embedded or additional mitigation that may be adopted in respect of collision and allision risk effects?</li> </ul>	<p>MVOWFL undertook a preliminary assessment of both project alone and cumulative effects on shipping and navigation, in accordance with the Formal Safety Assessment (FSA) procedure stipulated under MGN-654. This was presented in a draft Navigation Risk Assessment (NRA) which was shared with shipping and navigation consultees (operators and regulators) as part of MVOWFL's Preliminary Environmental Information (PEI) consultation in summer 2024. Consultees were given from the end of July until the 23rd of August to review the draft NRA and provide feedback to MVOWFL, within the formal PEI consultation period for the project.</p> <p>MOWFL has since met with several of these consultees to discuss their review comments. MVOWFL is now in the process of refining and finalising its design envelope for application, taking on board feedback received during the formal PEI consultation.</p> <p>MVOWFL will now undertake an updated assessment of both project alone and cumulative effects on shipping and navigation, based upon this refined design. This is proposed to include a Hazard Identification (HAZID) workshop in Q4 2024, before the NRA is completed.</p> <p>MVOWFL plans to invite the developers of the Morgan, Mona and Morecambe projects to attend. The assessment will be reported as</p>	<p>The Applicant notes the MVOWFL response.</p>

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Planning Inspectorate Ref. No.	Question is addressed to	ExA Question	Moor Vannin Offshore Wind Farm Limited response	Applicant's response
			<p>part of the Environmental Impact Statement to accompany its application for Marine Infrastructure Consent to the Isle of Man Government in March 2025.</p> <p>As this process is ongoing, MVOWFL does not wish to provide detailed comment at this stage on any embedded or additional mitigation that may be adopted. However, noting that the Applicant should fully mitigate impacts arising from their development without prejudicing other developments to mitigate residual effects.</p>	