Partners in UK offshore wind

MONA OFFSHORE WIND PROJECT

Response to Martyn and Margaret Hussey ExQ1 Responses

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Image of an offshore wind farm

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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,

Term	Meaning
	licensable activities within 12nm of the Welsh coast require a separate marine licence from Natural Resource Wales (NRW).
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.

Term	Meaning
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.
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 Bodelwyddan 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).

Term	Meaning
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.

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
km	Kilometres
km^2	Kilometres squared
kV	Kilovolt
MW	Megawatt
nm	Nautical miles

1 Response to Martyn and Margaret Hussey ExQ1 Responses

1.1 Introduction

1.1.1.1 The Applicant has responded to Martyn and Margaret Hussey's response to the Examining Authority's ExQ1 responses below.

2 Response to Martyn and Margaret Hussey's ExQ1 Responses

Table 2.1: REP3-109 - Martyn and Margaret Hussey

Planning Inspectorate Ref. No.	Question is addressed to	ExA Question	Martyn and Margaret Hussey response	Applicant's response
REP3-109.1	MR & KM Hussey	Q1.16.5 **Vibration** Do the provisions of the Outline Construction Noise and Vibration Plan [REP2-044] address your concerns about vibration [REP1-086]? If not, please explain your conclusion	We remain concerned about vibration based on our experiences to date of occasional works that have been undertaken near our property. The reference to the Outline Construction Noise and Vibration Plan [REP2-044] with frequent references made to 'where practical' are open to interpretation and do not address our concerns. The works to date that we have experienced have been towards the South, East and West of our property where instances of Limestone are found. We do not know how far these Limestone features extend and would appreciate more detail from Geological studies that have been undertaken as to the locations of these features which can then be compared to construction activity sites to enable a more knowledge based assessment to be made, particularly given the pilling works and foundation works that will cover a large area in relative close proximity to our property.	The Applicant notes the continuing concerns regarding the potential impact of vibration from construction works at Tyddyn Meredydd. The underlying superficial and bedrock geology of the Onshore Substation is identified in Volume 7, Annex 1.1: Aquifers, groundwater abstractions and ground conditions (APP-115), which shown that glacial till deposits are likely to be relatively thick at the Onshore Substation and comprise cohesive, clay-rich deposits overlying limestone bedrock. Investigations were undertaken at the Onshore Substation during 2024 to characterise the ground conditions as part of the early detailed design process and to validate the construction assumptions. The results for the investigation demonstrate that the geological sequence near Tyddyn Meredydd is characterised by approximately 6.5 m of surface glacial till, that conceals limestone bedrock beneath. The borehole investigations provides evidence that the glacial till thickens northwards, away from Tyddyn Meredydd. This geological sequence is entirely consistent with the expected geology in that area as presented in the EIA. The Applicant has provided a Construction Noise and Vibration Clarification Note for Deadline 4 (S_D4_14). The note has identified medium impacts are likely to occur at Tyddyn Meredydd due to the following works planned at the rear of the property: • Vibratory sheet piling at the Trenchless crossing (approximately 45m from the rear of Tyddyn Meredydd) • Use of vibratory rollers used in the construction of the haul road (approximately 25m from the rear of Tyddyn Meredydd) The sensitivity of the receptor during the daytime is medium, resulting in a potential moderate adverse vibration effect at Tyddyn Meredydd due to these works. However, vibratory piling is unlikely to be required as close to the boundary of the trenchless technique compounds as has been assessed. In addition, any works required will be short-term in duration. With regard to the haul road the assessment of impacts due to construction vibration has been undertaken from the boundary of the Mona Onshore Development Area. It is unlikely that the dynamic compaction works will be undertaken for any extended period along this boundary as these works are expected to be located well within the Mona Onshore Development Area. The Applicant therefore concludes that no significant adverse effects are likely to occur at Tyddyn Meredydd due to construction vibration. The Applicant has also provided an updated the Outline Construction Noise and Vibration Management Plan at Deadline 4

Planning Inspectorate Ref. No.	Question is addressed to	ExA Question	Martyn and Margaret Hussey response	Applicant's response
				(document ref J26.3 F03) that requires confirmation of construction vibration levels to be identified once detailed design has been undertaken. These predictions will be presented in the Final Construction Noise and Vibration Management Plan for approval by the relevant planning authority This would also include any necessary mitigation to ensure levels are compliant with the relevant vibration standards. Should the planning authority not agree with the proposals, the Applicant would provide alternative construction methods where necessary.. The Applicant has offered a meeting with the residents of Tyddyn Meredydd to answer any questions arising from the information provided by the Applicant at Deadline 4.