

MONA OFFSHORE WIND PROJECT

Appendix to Response to Hearing Action Point: Updated onshore substation visualisations

Deadline: 2

Application Reference: EN010137

Document Number: S_D2_4.1

Document Reference: MOCNS-J3303-RPS-10296

27 August 2024

F01



Image of an offshore wind farm

MONA OFFSHORE WIND PROJECT

Document status

Version	Purpose of document	Authored by	Reviewed by	Approved by	Review date
F01	Submission at D2	RPS	Mona Offshore Wind Ltd	Mona Offshore Wind Ltd	27 Aug 2024

Prepared by:

RPS

Prepared for:

Mona Offshore Wind Ltd.

MONA OFFSHORE WIND PROJECT

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Glossary

Term	Meaning
Applicant	Mona Offshore Wind Limited.
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for one or more Nationally Significant Infrastructure Project (NSIP).
Mona Offshore Wind Project	The Mona Offshore Wind Project is comprised of both the generation assets, offshore and onshore transmission assets, and associated activities.
The Planning Inspectorate	The agency responsible for operating the planning process for Nationally Significant Infrastructure Projects.

1 Appendix to Hearing Action Point: Updated onshore substation visualisations

1.1 Introduction

1.1.1.1 This document has been prepared in response to Action Point 36 from the Issue Specific Hearing 2 which was held on 18 July 2024 in respect of the Mona Offshore Wind Project.

1.1.1.2 Action Point 36 is set out in the Issue Specific Hearing 2 (document reference EV3-006a) which requires the Applicant to:

Add lightning conductors to Figure 1.2 of Design Principles Document [APP-189] and visualisations.

1.2 Response

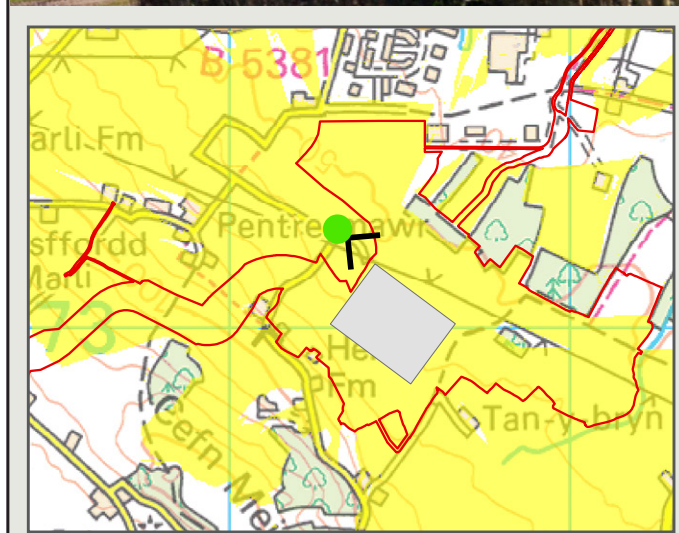
1.2.1.1 The Applicant has prepared updated visualisations of the onshore substation from representative viewpoints to include lightning masts based on the maximum design parameters of 12 lightning masts at a height of 30 m above ground level (as secured through the DCO). The lightning masts were considered in the landscape and visual assessment (Table 6.19 of Volume 3, Chapter 6: Landscape and Visual Resources (APP-069)), however they were not shown in the visualisations presented in Volume 7, Annex 6.5: Landscape and visualisations (APP-157 and APP-158). This document follows the submission at Deadline 1 of the updated Figure 1.2 of the Design Principles (Annex 3 to the Response to Hearing Action Points (REP-012)) to include the lightning masts. The representative viewpoints used in the updated visualisations are listed below:

- Viewpoint 1 – View southeast along from farm track from minor road to Tyddyn Meredydd
- Viewpoint 2 – View north from minor road adjacent to Hendy Farm
- Viewpoint 3 – View east-southeast from public footpath 105/6 to the southeast of Pentre-mawr
- Viewpoint 11 – View west-southwest from Offa's Dyke Path to the south of Moel Maenefa

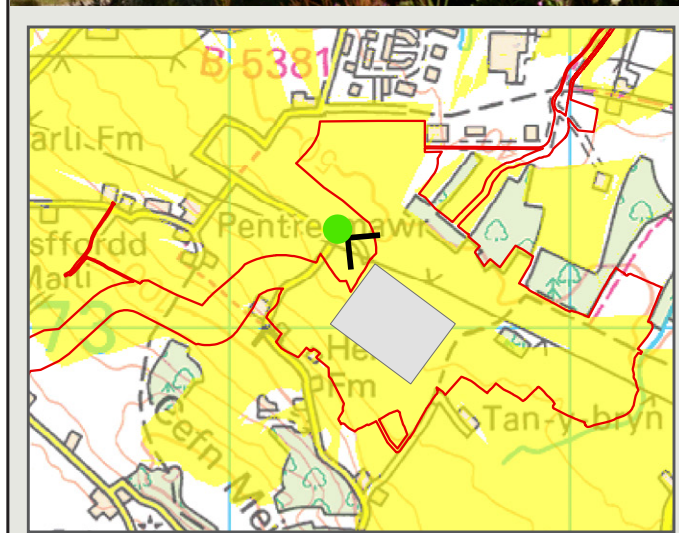
1.2.1.2 The representative viewpoint locations were selected to show close up views of the onshore substation and distant views to show the lightning masts in relation to the skyline, treeline and existing electrical infrastructure. Visualisations have been provided for Year 1 and Year 15 of the Mona Offshore Wind Project to illustrate the proposed mitigation planting.

1.2.1.3 The location of the lightning masts is indicative and is consistent with the indicative locations as shown on Annex 3 to the Response to Hearing Action Points (REP-012). The Applicant notes that the need for, number and location of the lightning masts will be determined during detailed design and located at an appropriate stand off from the 400kV overhead lines.

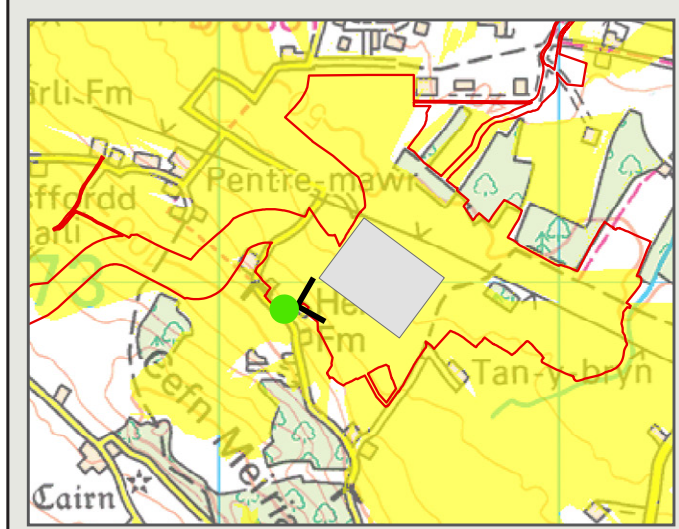
1.2.1.4 The visualisations of the lightning masts do not change the assessment of the significance of landscape or visual effects as presented in Volume 3, Chapter 6: Landscape and Visual Resources (APP-069).



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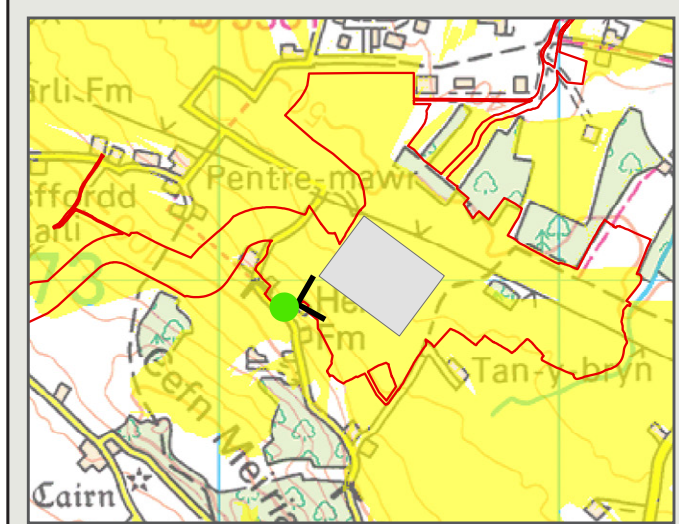
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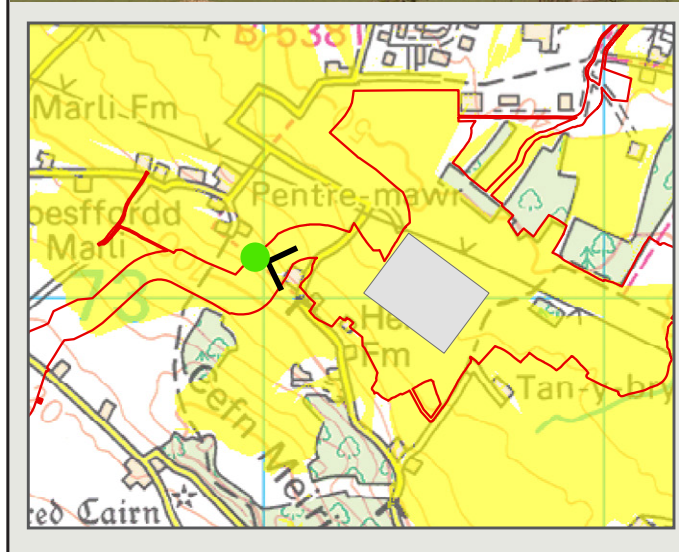
Representative Viewpoint 2: View north from minor road adjacent to Hendy Farm

<p>Mona Offshore Wind Project JSL3999</p>	<p>Date of photograph: 22/03/2023 OS Grid Ref: 301193, 372922</p>	<p>Horizontal field of view: 90° To be viewed at comfortable arms length</p>	<p>Proposed illustrative winter Year 1 Annex 6.5 Figure 3</p>
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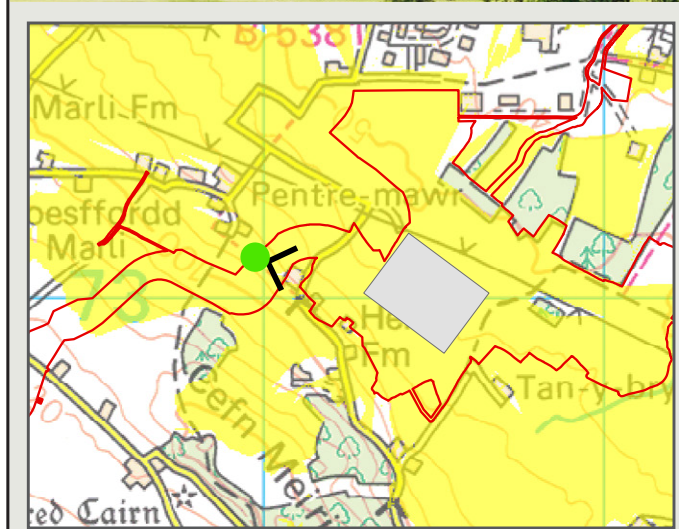
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Representative Viewpoint 3: View east-southeast from public footpath 105/6 to the southeast of Pentre-mawr

<p>Mona Offshore Wind Project JSL3999</p>	<p>Date of photograph: 17/03/2022 OS Grid Ref: 300976, 373120</p>	<p>Horizontal field of view: 90° To be viewed at comfortable arms length</p>	<p>Proposed illustrative winter Year 1 Annex 6.5 Figure 5</p>
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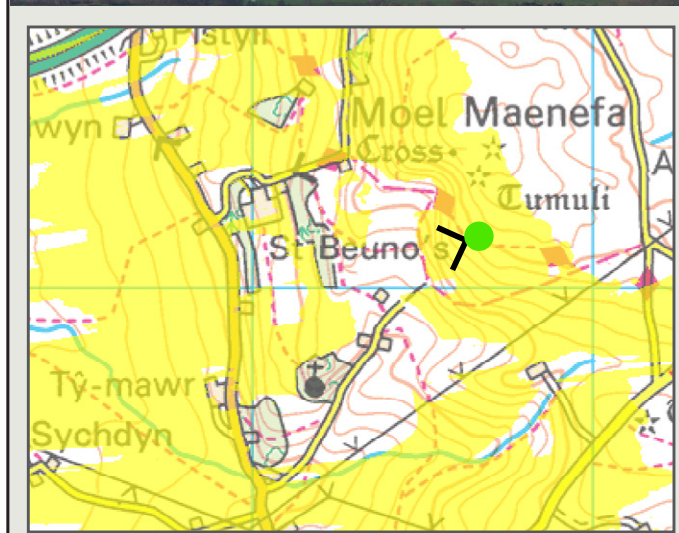
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Representative Viewpoint 3: View east-southeast from public footpath 105/6 to the southeast of Pentre-mawr

Mona Offshore Wind Project JSL3999	Date of photograph: 09/08/2023 OS Grid Ref: 300976, 373120	Horizontal field of view: 90° To be viewed at comfortable arms length	Proposed illustrative summer Year 15 Annex 6.5 Figure 6
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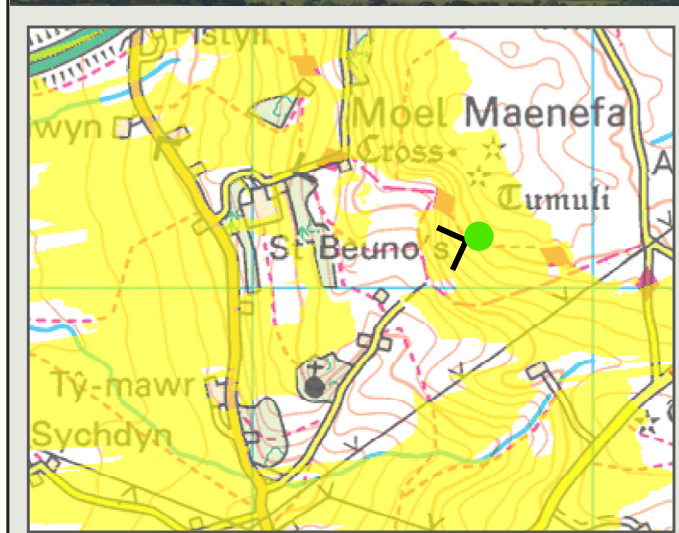
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Substation



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