

**Appendix 2.4: Alaw Môn Solar Farm – Schemes for Cumulative Impact Assessment Consideration**

Number	Developer	Project Title & Description	Source of Information / Application Reference	Status	Distance/Location from the Alaw Môn Site	Scope In / Scope Out of ES Cumulative Assessments
1	Conygar	<p><b><i>Holyhead Waterfront Development</i></b></p> <p>Outline application for a mixed-use development consisting of a new marina, residential properties, a hotel, commercial, leisure and retail uses together with associated land reclamation and service infrastructure.</p>	<p>IACC Planning Application refs: 19C1046A/EIA/ECON</p> <p>19C1046G/SCR EIA Screening Opinion to extend the period of the planning application for an additional 3 years</p> <p>VAR/2020/20/EIA Application made under Section 73 of the Town and Country Planning Act to extend the life of the existing consent.</p>	<p>Consented</p> <p>Yet to be determined.</p>	<p>Approximately 13.8km to the south-west of the Alaw Môn Site.</p>	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme’s distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: Due to this scheme’s distance from the Alaw Môn Site, and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
2	Conygar	<p><b><i>Holyhead Waterfront Development</i></b></p> <p>Mixed-use development consisting of a new</p>	<p>IACC Planning Application ref: FPL/2021/294/EIA</p>	<p>Yet to be determined.</p>	<p>Approximately 13.8km to the south-west of the Alaw Môn Site.</p>	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme’s distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p>

		marina, residential properties (including conversion (and partial demolition) of the listed Soldiers Point House and Porth-y-Felin House), commercial, leisure and retail uses together with associated land reclamation, service infrastructure and hard and soft landscaping.				<p>Ecology: Due to this scheme's distance from the Alaw Môn Site, and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
3	Land and Lakes	<p><b><i>Penrhos Leisure Village</i></b></p> <p>A leisure village at Penrhos Coastal Park, Holyhead, with up to 500 new lodges and cottages and 315 new dwellings at Kingsland.</p>	<p>IACC Planning Application refs: 46C427K/TR/EIA/ECON</p> <p>DIS/2020/92 – Application to discharge conditions</p>	<p>Consented</p> <p>Consented</p>	<p>Approximately 11.9km to the south-west of the Alaw Môn Site.</p>	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme's distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: Due to this scheme's distance from the Alaw Môn Site, and since the Development is not anticipated to give rise to significant residual effects on ecological features considered by this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and</p>

						negligible. Likely significant cumulative effects with the Development are not expected.
4	Morlais	<p><b><i>Morlais Demonstration Zone</i></b></p> <p>This Project would provide a consented area for the installation and commercial demonstration of multiple arrays of tidal energy devices, to a maximum installed capacity of 240 MW. The Project would also provide communal infrastructure through the provision of electrical infrastructure, including substations and onshore electrical cable route to grid connection. The Project would provide the supporting electrical infrastructure to connect tidal energy converters (TECs)</p>	Application for a Transport and Works Act Order (TWAO) submitted to the Planning Inspectorate (ref. TWA/3234121)	Consented and currently under construction	Approximately 10.9km to the south east of the Alaw Môn Site.	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme's distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: Due to this scheme's distance from the Alaw Môn Site, and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development not expected.</p>

		within the Morlais Demonstration Zone and export the electricity generated to grid.				
5	Stena Line Port Limited	<p><b><i>Port of Holyhead Expansion</i></b></p> <p>Stena Line Ports Limited has submitted a Harbour Revision Order to the Planning Inspectorate Wales seeking variation of the Order that would allow for the expansion of Holyhead Port. The Council is a Statutory Consultee.</p>	Application submitted to Planning Inspectorate Wales for Harbour Revision Order. No detail yet available of whether application would be dealt with by Examination or Written procedure.	Awaiting confirmation from PEDW.	Approximately 12.2km to the southwest of the Alaw Môn Site.	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme's distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: Only marine and coastal impacts are expected from this scheme. Due to this scheme's distance from the Alaw Môn Site, and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
6	Stena Line Port Limited	<p><b><i>Holyhead Great Breakwater Improvements</i></b></p> <p>Refurbishment / repair of the breakwater structure together</p>	IACC Planning Application ref: FPL/2021/201/EIA	Consented	Approximately 12.2km to the southwest of the Alaw Môn Site.	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme's distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p>

		with formation of a temporary concrete batching plant for the fabrication, curing and storage of concrete armour units.				<p>Ecology: Only marine and coastal impacts are expected from this scheme. Due to this scheme's distance from the Alaw Môn Site, and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
7	Low Carbon	<p><b>Traffwll Solar Farm</b></p> <p>Proposed solar farm development with circa 49.9MW capacity</p>	<p>PEDW Development of National Significance ref:</p> <p>DNS/3217391</p>	Consented	<p>Approximately 8.2km to the south of the Alaw Môn Site.</p>	<p><u>Scope Out</u></p> <p>Landscape &amp; Views: Due to this scheme's distance from the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: The ES submitted in support of this scheme identifies wintering birds as a potential ecological feature that could be affected by temporary disturbance during the construction phase. The scheme's design includes buffers from suitable habitat features and in some instances, timing requirements to avoid wintering periods for some elements of the construction phase. The ES does not identify significant residual impacts on wintering birds; effects are assessed</p>

						<p>to be negligible, taking into account the mitigation proposed and the distance of the development from suitable features. Given the stated residual impact significance (negligible/not significant), and the impact significance of the Development on wintering birds (neutral), cumulative effects are not expected.</p> <p>There are no adverse residual effects identified in relation to other overlapping ecological features with the Development, so as above, cumulative effects are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during construction phase (if they overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Significant cumulative effects not expected.</p>
8	Lightsource	<p><b>Mon Solar</b></p> <p>Proposed solar farm development with circa 350MW capacity</p>	No public information available yet	Unknown.	Approximately 400m to the east within the closest potential development zone.	<p><u>Scope Out</u></p> <p>This scheme is not consented, and there is no certainty that it would be consented which would require it to be considered cumulatively with the Development.</p>
9	EDF	<p><b>Porth Wen Solar Farm</b></p>	IACC Planning Application ref: 20C310B/EIA/RE	Consented and currently under construction.	Approximately 6.7km to the north of the Alaw Môn Site.	<p><u>Scope Out</u></p> <p>Landscape: Due to this scheme's distance to the Alaw Môn Site,</p>

		Proposed solar farm development with 49.99MW capacity	Non-material amendment Planning Application ref. MAO/2021/26			<p>cumulative effects with the Development are not anticipated.</p> <p>Ecology: the project website states: <i>'Ecological assessments as part of the development showed that there were no significant impacts but as part of the scheme there will be a mile long wildlife corridor and wildflower planting. These improvements will enhance biodiversity at the site.</i></p> <p><i>The solar farm will be on 190 acres of land which will still be able to be used for sheep grazing. These improvements will allow for foraging, breeding opportunities and will provide shelter for a variety of wildlife.'</i> (Source: <a href="https://www.edf-re.uk/our-sites/porth-wen">https://www.edf-re.uk/our-sites/porth-wen</a> Accessed 23rd June 2023).</p> <p>Given the above information, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
10	Hydrogen Hub	<b><i>Menter Morn, Parc Cybi, Holyhead</i></b>	IACC Planning Application ref: FPL/2022/88	Consented.	Approximately 13km to the south-west of the Alaw Môn Site.	<u>Scope Out</u>

		<p>Holyhead 1MW hydrogen generation facility with associated infrastructure at Parc Cybi. This would provide a hydrogen re-fuelling facility at Parc Cybi for the use of HGVs. Could potentially be expanded for use at Holyhead Port.</p>		<p>Application to discharge conditions awaiting determination.</p>		<p>Landscape: Due to this scheme's distance to the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: Due to this scheme's distance from the Alaw Môn Site, and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: Potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
11	RWE	<p><b><i>Awel Y Mor Offshore Wind Farm</i></b></p> <p>Offshore wind farm located north east of Anglesey of up to 50 turbines with a proposed capacity of 1,100MW</p>	<p>Planning Inspectorate DCO application ref: EN010112</p>	<p>Examination stage completed. Awaiting decision on Development Consent Order.</p>	<p>Approximately 36km to the east of the Alaw Môn Site.</p>	<p><u>Scope Out</u></p> <p>Landscape: Due to this scheme's distance to the Alaw Môn Site, cumulative effects with the Development are not anticipated</p> <p>Ecology: Due to this scheme's distance from the Alaw Môn Site, including the proposed onshore cabling route (near Rhyl, c. 65km to the east), and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p>

						<p>Transport: DCO application's documentation does not confirm 'on-land' construction delivery routes to the dock. However, the route may include the A55 and therefore there is a potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap).</p> <p>However, given the distance of the scheme and the baseline flows on the A55 are high, the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
12	BP & EnBW	<p><b><i>Mona Offshore Wind Farm</i></b></p> <p>Offshore wind farm located north east of Anglesey of up to 107 turbines with a proposed capacity of 1,500MW</p>	EIA Scoping stage for a DCO application.	Pre-application stage	Approximately 24km to the north east of the Alaw Môn Site.	<p>Landscape: Due to this scheme's distance and nature of intervening topography to the Alaw Môn Site, cumulative effects with the Development are not anticipated</p> <p>Ecology: Due to this scheme's distance from the Alaw Môn Site, including the proposed onshore cabling route (near Rhyl, c. 65km to the east), and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: available documentation does not confirm 'on-land' construction delivery routes to the dock. However, the route may include</p>

						<p>the A55 and therefore there is a potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap).</p> <p>However, given the distance of the scheme and the baseline flows on the A55 are high, the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
13	BP & EnBW	<p><b><i>Morgan Offshore Wind Farm</i></b></p> <p>Offshore wind farm located north east of Anglesey of up to 107 turbines with a proposed capacity of 1,500MW</p>	EIA Scoping stage for a DCO application.	Pre-application stage	Approximately 70km to the north of the Alaw Môn Site.	<p><u>Scope Out</u></p> <p>Landscape: Due to this scheme's distance to the Alaw Môn Site, cumulative effects with the Development are not anticipated.</p> <p>Ecology: Due to this scheme's distance from the Alaw Môn Site, including the onshore cabling route (Penwortham, Lancashire), and since the Development is not anticipated to affect the same ecological features as this scheme, cumulative effects with the Development are not expected.</p> <p>Transport: available documentation does not confirm 'on-land' construction delivery routes to the dock. However, the route may include the A55 and therefore there is a potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap).</p>

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14	Boom Power	<b><i>Carrog, Cemaes</i></b>  Battery Energy Storage System with a capacity to store approximately 660 megawatt -hours of energy	Pre-application consultation ongoing	Pre-application stage	Approximately 6km to the north of the Alaw Môn Site.	<p>Landscape: Due to this scheme's distance to the Alaw Môn Site, and the topography of the intervening land, cumulative effects with the Development are not anticipated.</p> <p>Ecology: This is a small development in sloping fields improved pasture, detailed ecological assessment information is not available. Given the nature of the project and habitats to be affected, cumulative effects with the Development would not be expected.</p> <p>Transport: Potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
15	N/A	<b><i>Potential New Nuclear Plant at Wylfa</i></b>	Allocated Site	Site Allocation	Approximately 8.5km to the north of the Alaw Môn Site.	<p>Landscape: Due to this scheme's distance and nature of intervening topography to the Alaw Môn Site, cumulative effects with the Development are not anticipated</p> <p>Ecology: Information on scheme design or possible ecological impacts</p>

						<p>is not currently available. This is in a coastal location to the north. Given the likely impacts for the Development, and considering the location of the Wylfa Nuclear Power Station, cumulative effects are considered to be unlikely.</p> <p>Transport: Potential cumulative effect on the A55 during the Development's construction phase (if the schemes overlap). However, baseline flows on the A55 are high, so the effect would be temporary and negligible. Likely significant cumulative effects with the Development are not expected.</p>
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