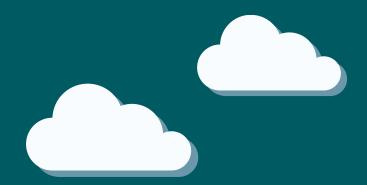
RWE



Awel y Môr Offshore Wind Farm

Category 6: Environmental Statement

Volume 1, Annex 3.1: Cumulative Effects Assessment Methodology

Date: April 2022

Revision: B

Application Reference: 6.1.3.1

Pursuant to: APFP Regulation 5(2)(a)



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REVISION	DATE	STATUS/ REASON FOR ISSUE	AUTHOR:	CHECKED BY:	APPROVED BY:
А	August 2021	PEIR	GoBe	RWE	RWE
В	March 2022	ES	GoBe	RWE	RWE

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CUMULATIVE EFFECTS ASSESSMENT METHODOLOGY

RWE Renewables UK Limited Awel y Môr Offshore Wind Farm

Project Number: 01-41

Date: April 2022

Revision: 1.0



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0.1 (Internal) 20/10/2020 Draft KJ/RM SL PG 0.2 (External) 11/11/2020 Draft RM SL PG 1.0 (External) August 2021 PEIR RM SL PG 2.0 (External) February FG FG FG	Revision	Date	Status	Author:	Checked by:	Approved by:
1.0 (External) August 2021 PEIR RM SL PG February	0.1 (Internal)	20/10/2020	Draft	KJ/RM	SL	PG
2021 February	0.2 (External)	11/11/2020	Draft	RM	SL	PG
February 50 KW /DNA 64 DO	1.0 (External)	=	PEIR	RM	SL	PG
2.0 (External) 'ES KL/RM SL PG	2.0 (External)	,	ES	KL/RM	SL	PG



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Glossary

Term	Definition	
AyM	The Awel y Môr Offshore Wind Farm project.	
Export Cable Corridor (ECC)	The area(s) where the export cables will be located.	
Development Consent Order (DCO)	An order made under the Planning Act 2008 granting development consent for a Nationally Significant Infrastructure Project (NSIP) from the relevant Secretary of State (SoS).	
Design envelope/ Maximum Design Scenario (MDS)	The maximum design parameters of the combined project assets that result in the greatest potential for change in relation to the impacts assessed.	
Environmental Statement (ES)	A document reporting the findings of the Environmental Impact Assessment (EIA) in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017.	
Marine Licence	A licence required under the Marine and Coastal Access Act 2009 for marine works which is administered by the Natural Resources Wales (NRW) Marine Licensing Team (MLT) on behalf of the Welsh Ministers.	
Preliminary Environmental Information Report (PEIR)	Preliminary Environmental Information Report. The PEIR was written in the style of a draft Environmental Statement (ES) and formed the basis of statutory consultation. Following that consultation, the PEIR documentation was updated into the final ES that accompanies the applications for the Development Consent Order (DCO) and Marine Licence.	

Acronyms and Abbreviations

Term	Definition
AfL	Agreement for Lease
BEIS	Business, Energy and Industrial Strategy
CEA	Cumulative Effects Assessment
DCO	Development Consent Order
ECC	Export Cable Corridor
EIA	Environmental Impact Assessment
ES	Environmental Statement
ETG	Expert Topic Groups
HRA	Habitats Regulations Assessment
MDS	Maximum Design Scenario
MHWS	Mean High Water Springs



MPS	Marine Policy Statement
NPS	National Policy Statement
NRW	Natural Resource Wales
NSIP	Nationally Significant Infrastructure Project
O&M	Operation and maintenance
OWF	Offshore Wind Farm
PEIR	Preliminary Environmental Information Report
PINS	Planning Inspectorate
RIAA	Report to Inform the Appropriate Assessment
SoS	Secretary of State
SSC	Suspended Sediment Concentrations
WNMP	Welsh National Marine Plan
Zol	Zone of Influence
ZTV	Zone of Theoretical Visibility

Units

Unit	Definition
km	Kilometre
m	Metre



1 Introduction

1.1 Background

- Cumulative effects are defined as the effects on a receptor that may arise when the development is considered together with other existing and/ or approved projects, plans and activities. A fundamental requirement of undertaking the Cumulative Effects Assessment (CEA) is to identify those projects, plans and activities with which Awel y Môr Offshore Wind Farm (AyM) may interact to produce a cumulative effect. These interactions may arise within the construction and operation and maintenance (O&M) phases of the project. Please note that due to the anticipated lifetime of the project (anticipated to be 25 years), it is not possible to undertake a meaningful assessment of potential cumulative effects for the decommissioning phase at this time, which is in line with common practice for Nationally Significant Infrastructure Projects (NSIPs).
- The objective of this document is to provide details on the proposed methodology for AyM for each of the assessments, justification for the approach taken regarding cumulative impacts, and to detail the longlist of projects, plans and activities that have been considered within the assessments. The approach for cumulative impacts is based upon the Planning Inspectorate (PINS) Advice Note 17: Cumulative Effects Assessment, which is described in further detail in Section 2. The approach to the CEA is intended to be specific to AyM and takes account of the extensive available knowledge of the environment and of the other activities in the vicinity of AyM.

1.2 Definitions of cumulative and in-combination effects for AyM

The Environmental Statement (ES) sets out the findings of the Environmental Impact Assessment (EIA) to support the DCO and Marine Licence application. The focus of the EIA is on the assessment of the environmental impacts which are likely to have significant effects on the environment including an assessment of cumulative effects. For the purpose of the CEA process, cumulative effects are defined as effects upon certain receptors from AyM when considered alongside other proposed developments and any other reasonably foreseeable projects and activities. This includes all projects that result in a comparative or ongoing effect and is not restricted to offshore wind farms, offshore and onshore electrical systems, or projects that are precommencement.



- In-combination effects are defined as the combined effect of AyM, with the effects from a number of different projects, on the integrity of European Sites designated for their nature conservation value in terms of the Habitats Regulations Assessment (HRA). The methodology for in-combination effects is bespoke to the HRA process (though it will draw on many of the same data sources presented in this document) and is presented separately within the Report to Inform the Appropriate Assessment (RIAA). This document, therefore, presents the first stages of the CEA for the EIA only.
- In short, cumulative effects apply in the EIA, whilst in-combination effects apply to the RIAA in HRA terms. These definitions are consistent with those provided by PINS in Advice Note 17 and have been applied throughout the ES documentation.



2 Policy and legislative context

- The Planning Act 2008 underpins the consenting regime for NSIPs. The PA 2008 sets out thresholds above which certain types of development are classified as NSIPs and therefore require a DCO in England and Wales. For offshore energy developments in Welsh waters (including offshore wind), projects are classed as NSIPs if they have a generating capacity of over 350 megawatts (MW) under section 15(3B) of the PA 2008. AyM will exceed this generating capacity and therefore is classed as an NSIP.
- The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 (the 'EIA Regulations') implement the requirements of the EIA Directive (Directive 2014/52/EU) into UK law in respect of NSIPs. Since the offshore components of the project will be constructed within Welsh waters, Awel y Môr Offshore Wind Farm Limited ('the Applicant') will also require a Marine Licence from Natural Resources Wales (NRW) under the Marine and Coastal Access Act 2009 (MCAA), which necessitates an EIA to be carried out under the Marine Works (Environmental Impact Assessment) Regulations 2007.
- A CEA is required under Schedule 4, Paragraph 5(e) and Schedule 3, Paragraph 3(2)(e) of the EIA Regulations and the Marine Works (EIA) Regulations 2017, respectively.
- The National Policy Statements (NPSs) set out national (UK) policy relating to NSIPs. In line with the Energy White Paper, the NPSs are currently undergoing revision following consultation in late 2021. This document and the ES refer primarily to the extant NPSs, as these remain the primary policy tests of relevance. The draft NPSs are however referred to throughout the ES when relevant.
- The Overarching NPS for Energy (EN-1) states at paragraph 4.2.5: "When considering cumulative effects, the ES should provide information on how the effects of the applicant's proposal would combine and interact with the effects of other development (including projects for which consent has been sought or granted, as well as those already in existence).
- 11 The NPS for Renewable Energy Infrastructure (EN-3) states at paragraph 2.6.169: "In considering what interference, obstruction or danger to navigation and shipping is likely and its extent and nature, the IPC should have regard to the likely overall effect of the development in question and to any cumulative effects of other relevant proposed, consented and operational offshore wind farms."



- The Overarching NPS for Energy (EN-1), the NPS for Renewable Energy Infrastructure (EN-3) and the NPS for Electricity Networks Infrastructure (EN-5) and their respective drafts identify the need to address the maximum potential adverse impacts. Matters considered to affect the maximum adverse impact are topic impacts, interrelationships between topics, and cumulative impacts. The Maximum Design Scenario (MDS), or envelope, is also sometimes referred to as the 'Rochdale Envelope'.
- PINS has produced 'Advice Note 9: Rochdale Envelope' (2018) setting out the views of PINS regarding how this approach should be used in the context of the Planning Act 2008. The Rochdale Envelope approach is a well-understood concept that involves ensuring that any EIA is based on assessing the realistic MDS where flexibility or a range of options is sought as part of the consent application. This guidance confirms that in order to ensure a robust application of the Rochdale Envelope principle to the EIA process, this principle must also be applied to the CEA as well as the assessment of project specific, individual effects.
- PINS has produced 'Advice Note 17: Cumulative Effects Assessment' (December 2019), which provides guidance on a staged process that can be used for cumulative effects assessments for NSIPs. Advice Note 17 details a four-step process that can be followed by developers and which has been applied here. The proposed methodology is outlined in Section 3 below.

Marine policy context

The Government's Marine Policy Statement (MPS) sets out the need to address cumulative impacts or effects, stating in paragraph 2.3.2.1: "when considering potential benefits and adverse effects, decision-makers should also consider any multiple and cumulative impacts of proposals in the light of other projects and activities".

Welsh policy

- The Welsh National Marine Plan (WNMP), published in November 2019, contains policies across a range of considerations (including nature conservation, sustainable use, seascape, and coastal communities and economic growth). The WNMP includes sector objectives for renewable energy to support decarbonisation of the Welsh economy and the use of marine renewable energy generation (including offshore wind farms).
- 17 The WNMP also sets out a need for proposals to address cumulative effects as stated in Policy Aim 219: "proposals should demonstrate that they have considered any multiple and cumulative effects of proposals including those associated with other (including known, planned) projects and activities".



3 Consultation

- The CEA is the subject of detailed discussion between the Applicant, NRW and various statutory and non-statutory authorities and stakeholders. This consultation has been captured under the auspices of the Evidence Plan process, via focused Expert Topic Groups (ETGs), as well as technical consultation working groups.
- 19 A summary of consultation as related to the CEA to date is provided in Table 3.1 below.

Table 3.1: Consultation relating to the CEA.

Consultee, forum and date	Comment	Response to issue and/or where addressed
PINS Scoping Opinion (general comments) July 2020	The ES should include an assessment of cumulative effects for all aspects and matters where significant effects are likely to occur. The assessment of cumulative effects should not be limited to one particular development type and should instead focus on the potential for overlapping impacts and LSEs. The Inspectorate encourages the use of the advice contained in its Advice Note 17 regarding the approach to the assessment of cumulative effects.	A CEA has been included in the CEA sections of all EIA topics where significant effects are likely to occur. This document outlines the 'other development' types that are considered alongside AyM and this includes multiple development types as outlined in Section 4.2.1. The methodology for determining the potential for cumulative effects is described in Section 1.1 of this document. As described in Section 2, the CEA follows PINS Advice Note 17.
PINS Scoping Opinion (airborne noise and vibration) July 2020	The ES should explain how the cumulative assessment has identified those projects or activities which overlap with the zone of influence of the Proposed Development and how all potential contributions have been considered.	A cumulative impact assessment has been undertaken in the ES to address any significant development projects or activities which may overlap with the zone of influence of the Proposed Development.
PINS Scoping Opinion (air quality) July 2020	The approach to the assessment of cumulative effects should be in accordance with the advice contained in paragraph 3.3.3 (see comment in first row of this table).	The CEA has been undertaken in accordance with this comment. The projects of interest have been determined through consultation with the relevant local planning authorities, based upon their temporal and spatial relevance to the project, and whether they represent a potential for cumulative effects.
PINS Scoping Opinion (public health)	The Inspectorate does not consider that sufficient evidence has been provided to	The Applicant has provided a proportionate consideration of



Consultee,	Comment	Response to issue and/or where
forum and	Comment	addressed
date		audresseu
July 2020	support scoping out EMF cumulative effects during operation.	potential cumulative effects associated with EMF.
PINS Scoping Opinion (physical processes) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 333 -336) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log see comment in first row of this table).	A combination of project, site specific modelling, and spring tidal excursion ellipse buffers (approx. 15 km) have been used to establish the zone of influence around AyM. This approach has beenused to determine the potential for sediment plume interaction with other projects.
PINS Scoping Opinion (marine water and sediment quality) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 373 -374) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	A CEA for marine water and sediment quality has been scoped in.
PINS Scoping Opinion (benthic subtidal and intertidal ecology) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 424) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	Although significant effects are not anticipated, a CEA for benthic subtidal and intertidal ecology has been scoped in.
PINS Scoping Opinion (fish and shellfish ecology) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 446) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	Although significant effects are not anticipated, a CEA for fish and shellfish ecology has been scoped in.
PINS Scoping Opinion (marine mammals) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 523) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	A CEA for marine mammals has been scoped in.
PINS Scoping Opinion (offshore ornithology) July 2020	The Inspectorate does not agree that cumulative impacts identified in the Scoping Report (paragraphs 559-566) can be scoped out (reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	Although significant effects are not anticipated, a CEA for offshore ornithology has been scoped in.
PINS Scoping Opinion (SLVIA) July 2020	The Inspectorate does not agree that cumulative impacts should be limited to only other development in the form of offshore wind turbine development	A CEA has been scoped in for SLVIA.



Consultee,	Comment	Response to issue and/or where
forum and		addressed
date		
	(reason noted in paragraph 3.3.3 of this Scoping Log - see comment in first row of this table).	
PINS Scoping Opinion (other marine users and activities) July 2020	The Inspectorate agrees that where no pathway for effect exists that cumulative effects on other users can be scoped out. Where a pathway does exist the likelihood of significant cumulative effects should be assessed in the ES.	This is noted by the Applicant and has been applied in the ES.
NRW comments on Cumulative Effects Assessment Methodology, December 2020)	It was requested that the following projects be added to the CEA longlist: - Port of Mostyn Tidal Lagoon; - Mersey Tidal Lagoon; - Greenlink Interconnector; - Morlais Tidal Development Zone; and - Firing ranges at Aberporth and Castlemartin.	These projects have been added to the CEA longlist (Appendix A to this document).
NRW comments on Cumulative Effects Assessment Methodology, December 2020)	It should be clarified what evidence has been used to determine the 15 km excursion extent for marine physical processes.	As described in Volume 2, Chapter 2: Marine Geology, Oceanography and Physical Processes, the limit of the tidal excursion is informed by modelling has concluded a ZoI of up to 12 km around the array and offshore ECC. Prior to this, the initial screening range of 15 km was used as a precautionary range before modelling was completed.
NRW comments on Cumulative Effects Assessment Methodology, December 2020)	Concerns that there may be offshore energy projects further away than 500 km which could be impacting upon some bird species from Welsh seabird sites. The potential effects should be looked at for each site on a case-by-case basis and should be based on a suitable evidence base, e.g. tagging and tracking studies, foraging ranges and the relevant BDMPS (Furness 2015).	The CEA in the EIA looks at impacts directly on birds as a receptor in their own right. Impacts to designated sites are dealt with through the in-combination assessment in the RIAA. The EIA screening range for ornithology is set at 'species dependent on foraging range'. For some species, this extends beyond 500 km, but in most cases it has been considered more appropriate to consider the regional geographic population.
S42 Denbighshire County Council comments on	The CEA should include the enabling works at the National Grid substation, all existing substations and energy related infrastructure with a worst-case	These have since been included within the cumulative effects assessments of the relevant ES chapters.



Consultee, forum and date	Comment	Response to issue and/or where addressed
Cumulative	scenario and in relation to the proposed	
Effects	onshore substation site.	
Assessment		
November 2021		
S42	Denbighshire County Council supplied a	The recommended projects have
Denbighshire	list of onshore developments that they	been added to the CEA longlist
County Council	propose should be included in the CEA	(Appendix A to this document).
comments on	longlist appendix, including	
Cumulative	development applications submitted	
Effects	since January 2018, such as pre-	
Assessment	application major schemes and plans	
November 2021	pending determination.	



4 Approach to cumulative effects assessment

4.1 Overview

- Cumulative effects refer to effects upon receptors arising from AyM when considered alongside all existing, and/ or reasonably foreseeable projects, plans and activities that results in a cumulative effect with any element of AyM. It should be noted that existing projects are generally considered to be part of the existing baseline environment, except in cases where there is an ongoing effect; examples are loss of benthic habitat for an existing (offshore wind) project will generally form part of the baseline as the habitat was lost at that stage, whereas ongoing bird collisions associated with the same project would be considered ongoing. The exact approach taken by each technical topic is described within the CEA section of the relevant ES chapters.
- The cumulative effects arising as a result of AyM is a required part of the EIA as described in Section 2. PINS Advice Note 17: Cumulative Effect Assessment provides guidance on a staged process that can be used for CEAs for NSIPs, which is described below in Table 4.1.

Table 4.1: Stages of the CEA process.

CEA Stage	Activity
Stage 1 – Establish the project's Zone of Influence (ZoI) and identify a longlist of 'other development'	The Project undertakes a desk study to identify the ZoI for the development for the topics that are proposed to be scoped into the EIA. The ZoI analysis is documented (i.e. table of topics and ZoI), with supporting mapping. The longlist of other plans and projects/activities is drawn up through a desk study of planning applications, development plan documents, relevant development frameworks and any other available sources to identify 'other development' within the ZoI. Information on each project (location, development type and timing, etc.) is documented, along with the certainty or tier assigned to the 'other development' (i.e. confidence it will take place in the current form and when it will take place in relation to the project). Advice Note 17 notes that the project should then consult with the relevant planning authority/ authorities and statutory consultees regarding the longlist (and ideally prior to the submission of the Scoping Report¹).

¹ Note that AyM did not provide a longlist for consideration at Scoping for cumulative issues, this was prepared for consultation at the PEIR stage.



CEA Stage	Activity
Stage 2 – Screening of longlist: Identify a shortlist of 'other development' for the CEA	PINS has provided inclusions/ exclusion threshold criteria, against which the potential for 'other development to give rise to significant cumulative effects by virtue of overlaps in temporal scope, the scale and nature of the 'other developments' and /or receiving environment, or any other relevant factors is assessed. From this assessment, a shortlist of 'other developments' to be included in the CEA is produced. It is noted that documented information on each of the 'other developments' is likely to be high level at this stage, outlining the key issues to take forward. Advice Note 17 notes that the proposed inclusion/ exclusion should ideally be finalised prior to the request for a Scoping Opinion, and the project must consult with the relevant planning authorities and statutory consultees regarding the shortlist ²).
Stage 3 – Information gathering	All available information on the 'other developments' within the shortlist generated at Stage 2 is collated to inform the CEA.
Stage 4 – Assessment	The project reviews each of the 'other developments' in turn to assess whether cumulative effects may arise. This should also include, where relevant, consideration of any mitigation measures where adverse cumulative effects are identified and should clearly signpost to the relevant means of securing mitigation (e.g. DCO requirements and associated mitigation plans). While not to be used as a means to shift the burden of mitigation, it may be appropriate to ascertain the contribution of each development to the effect (via professional judgement). This may, however, be useful during the consultation with other developers to identify ways to jointly address mitigation measures to be implemented to reduce likely significant adverse cumulative effects.

22 The following sections set out the AyM approach to completing Stages 1 to 3 (as described in Table 4.1 above), incorporating the development of the longlist (Appendix A), tiering of projects and the development of the topic-specific shortlists. These shortlists have been considered in detail in each of the topic-specific ES chapters to complete CEA Stage 4.

² Note that Awel y Môr OWF did not provide a longlist for consideration at Scoping for cumulative issues,



4.2 Stage 1 – Establish the ZoIs and identify the longlist of 'other development'

4.2.1 Developing the longlist

Under the first stage of the offshore CEA, a longlist of relevant projects, plans and activities occurring within a large study area around AyM array area and its associated export cable corridor (ECC) have been developed. Depending on the type of project, this generally encompasses a large area of the Irish Sea (offshore) (Table 4.2) and parts of North Wales (onshore) (Table 4.3). The longlist (Appendix A) includes the details of the relevant operational or planned projects, plans and activities including those in the UK and adjoining international jurisdictions and has been based on publicly available information available at the time of preparation.

Offshore

- The longlist, seaward of Mean High-Water Springs (MHWS) has been produced based on the scale of other projects and the potential for them to produce cumulative effects with AyM. The longlist was reviewed post-PEIR consultation and updated in January 2022 for the purpose of the ES, and all relevant changes have been captured in the ES chapter assessments.
- Table 4.2 defines the search area extents that have been applied in developing the longlist of projects, plans and activities. It should be noted that the initial screening ranges were based on what are considered to be the maximum extents of potential impacts from those activities and are therefore considered to be highly precautionary. Impact-specific screening ranges used for individual topics use refined ranges depending on topic-specific criteria at Stage 2.
- All projects, plans and activities within the search areas defined in Table 4.2 have been identified through a desktop study using, among others, the following data sources:
 - PINS website³;
 - The Crown Estate website⁴;
 - European Marine Observation and Data Network (EMODnet) data⁵;

³ https://infrastructure.planninginspectorate.gov.uk/



- Wales Marine Planning Portal⁶
- Ireland's Marine Atlas data⁷;
- Oil and Gas UK website⁸;
- Developer and project proponent websites.
- The CEA longlist for projects is presented in Appendix A of this document. All offshore projects, plans and activities considered based on the ZoI criteria listed in Table 4.2 are presented in Figure 1 to Figure 5.

Table 4.2: Offshore longlist Zols.

Type of project or activity	Zol criteria	Rationale
Aggregate dredging and disposal	Up to 50 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from aggregate dredging and disposal could occur (e.g. changes to hydrodynamic regime/coastal processes).
Offshore energy	Up to 500 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from offshore energy (e.g. underwater noise from piling) could occur.
Commercial fisheries	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from commercial fisheries activities could occur.
Oil and gas	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from oil and gas activities could occur.
Cables and pipelines	Up to 50 km from AyM array area and offshore ECC.	This range represents a precautionary distance at which effects from cables and pipelines (e.g. increases to Suspended Sediment Concentrations (SSCs) from installation) could occur.
Shipping	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from commercial fisheries activities could occur.
Military, aviation and radar	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from military, aviation and radar effects could occur.

⁶ http://lle.gov.wales/apps/marineportal/#lat=50.7112&lon=-4.2050&z=9



Type of project or activity	Zol criteria	Rationale
Coastal developments (including ports)	Up to 200 km from AyM array area and offshore ECC.	This range represents a precautionary maximum distance at which effects from military, aviation and radar effects could occur,

Onshore

- 28 Under the first stage of the onshore CEA, a longlist of relevant projects, plans and activities occurring within a study area round the onshore ECC options and onshore substation area of search has been developed from the sources described in the paragraph below. Planning consents granted within the last three years, or applications that have been made and have yet to be determined have been considered.
- 29 Given the scale of the onshore components of AyM, this information was collated from the following publicly available data sources:
 - PINS website³;
 - Conwy County Borough Council⁹;
 - Denbighshire County Council¹⁰;
 - Isle of Anglesey County Council¹¹;
 - Flintshire County Council¹²; and
 - Gwynedd Council¹³.
- The CEA longlist for onshore projects is presented in Appendix A of this document. All onshore projects, plans and activities considered based on the ZoI criteria listed in Table 4.3 are presented in Figure 6. The longlist comprises planning consents that have been granted within the last three years (including NSIP projects) or applications that have been made and have yet to be determined within the local authority areas of Conwy, Denbighshire, the Isle of Anglesey, Flintshire and Gwynedd.

Table 4.3: Onshore longlist Zols.

⁹_https://npe.conwy.gov.uk/Northgate/EnglishPlanningExplorer

¹⁰ https://planning.denbighshire.gov.uk/planning/search-applications

¹² https://digital.flintshire.gov.uk/FCC Planning/

¹³ https://amg.gwynedd.llyw.cymru/planning/



Type of project or activity	Zol criteria	Rationale
Energy generation infrastructure	Installations larger than domestic scale within the local authority areas described above.	The five local authority areas are considered to represent the realistic worst-case scenario
Building/housing developments	Developments of more than five dwellings/units within the local authority areas described above.	over which cumulative effects are likely to occur. Since the selection of a single onshore
Roads	Major or main road installation or upgrade within the local authority areas described above.	route, the onshore aspects of the scheme are located entirely within Denbighshire, but the
Cable and pipelines	Major cable and pipeline installations and upgrades within the local authority areas described above.	five local authority areas have been retained as the Zol rationale for completeness.
National Grid enabling works	Any works within the local authority areas described above.	
Coastal protection works	Any works within the local authority areas described above.	

4.2.2 Tiered approach

- In assessing the potential cumulative impacts for AyM, it is important to bear in mind that projects, predominately currently 'proposed', may or may not be, ultimately, taken forward for development. Therefore, there is a need to build in some consideration of certainty (or uncertainty) with respect to the potential impacts which might arise from such proposals, in line with the approach set out by PINS in Advice Note 17. For example, projects which are already under construction are more likely to contribute to cumulative effects than those development applications that are not yet submitted.
- For these reasons, all the relevant longlist plans and projects were allocated into 'Tiers', reflecting their current status within the planning and development process. This enabled the cumulative impact assessment to present several scenarios, reflecting the varying levels of certainty of an activity proceeding and therefore the potential for impacts to arise that might act cumulatively with the impacts arising from AyM. When examining the potential cumulative effects of AyM, appropriate weight has been given to each scenario (Tier) in the decision-making process.

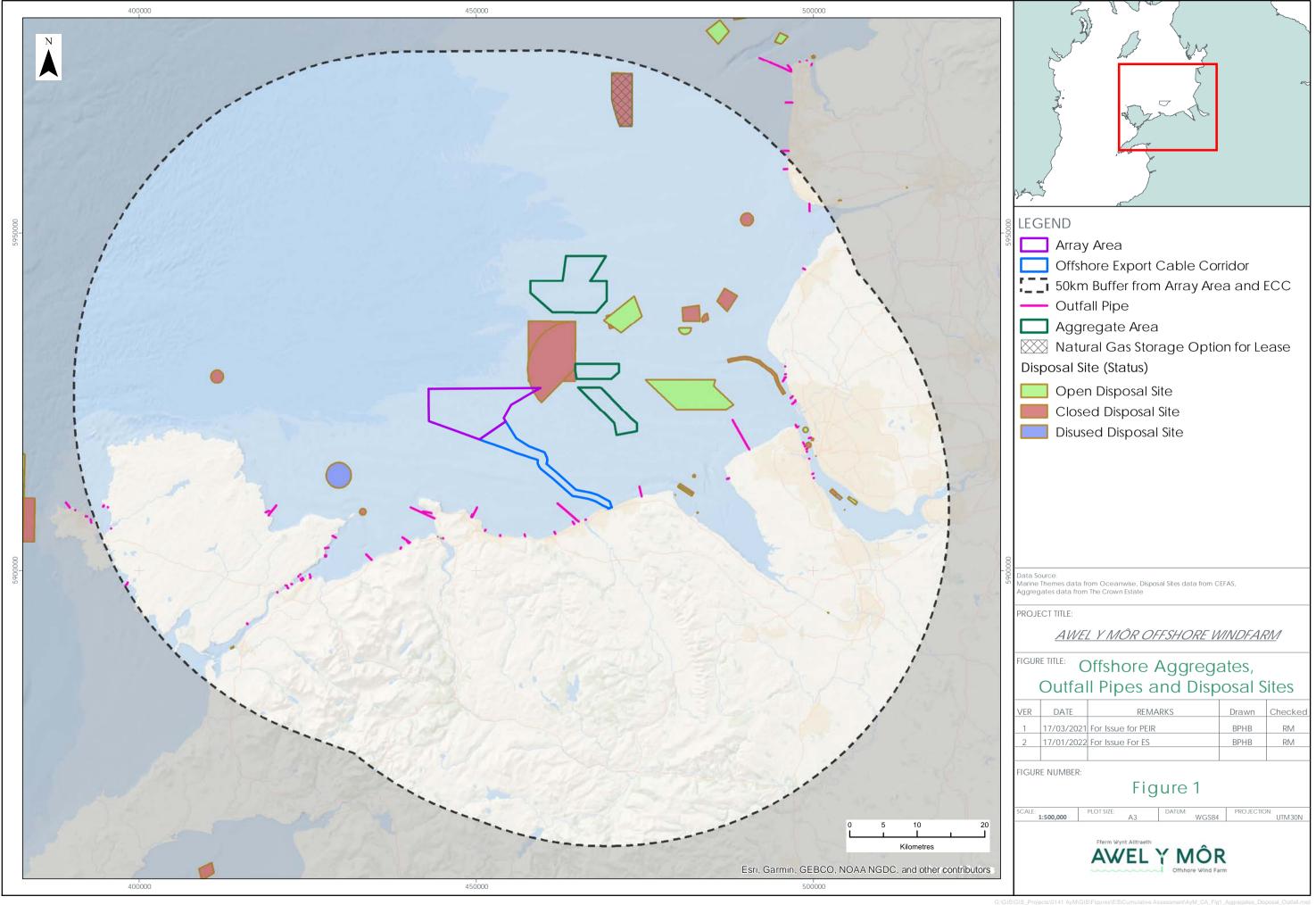


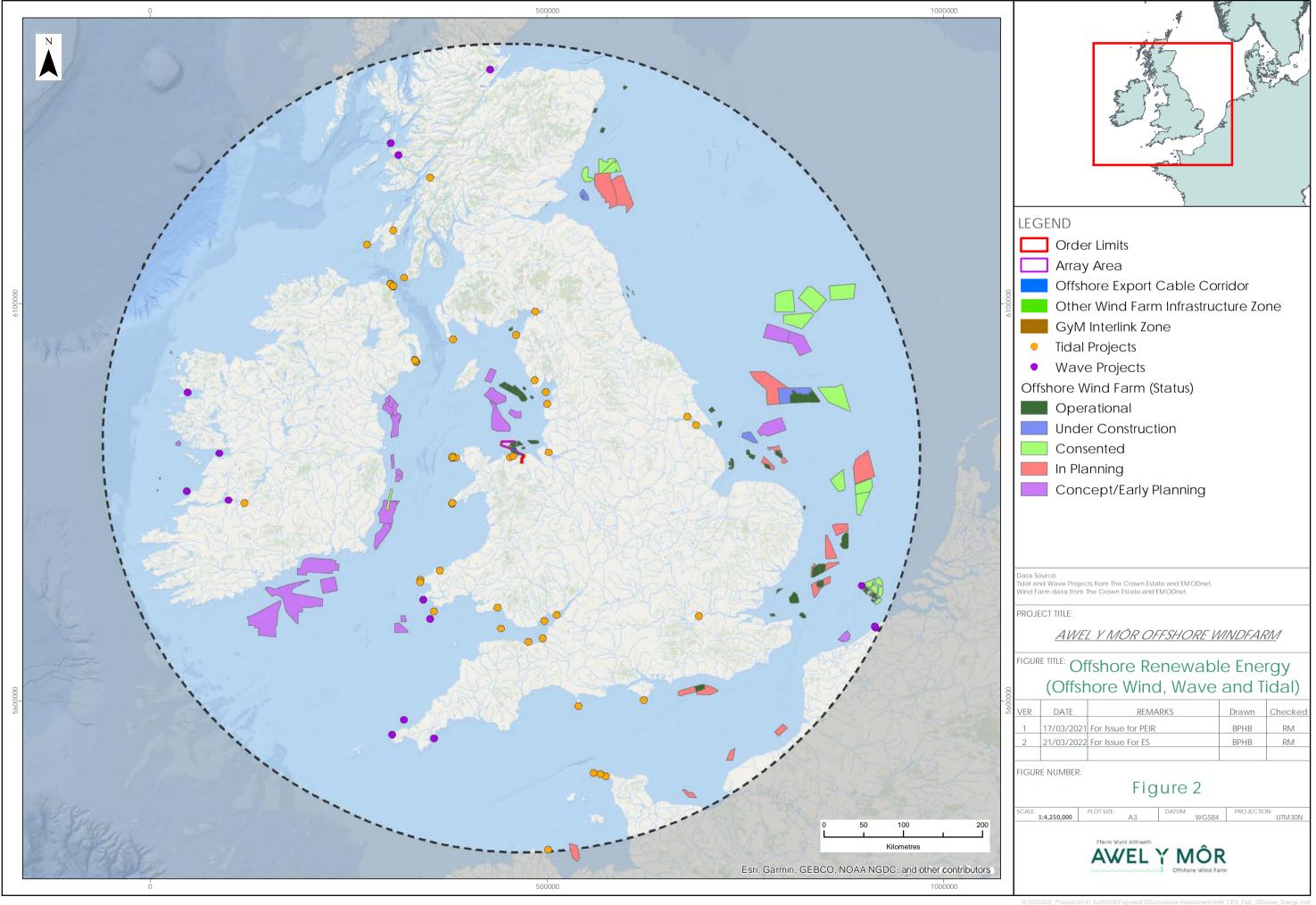
- In accordance with PINS Advice Note 17, the proposed tiering structure is described in Table 4.4. The Tiers are listed in descending order of level of detail likely to be available (and, correspondingly, certainty of effects arising). It is noted in PINS Advice Note 17 that where other projects are expected to be completed before the construction of the proposed NSIP and the effects of those projects are fully determined, effects arising from them should be considered as part of the baseline and have been considered as part of assessment in the construction and operational phase (noting that the assessment should clearly distinguish between projects forming part of the baseline and those in the CEA).
- It is important to note that this tiering methodology is generally applied across the ES. Certain topics may employ their own bespoke tiering methodology where greater precision on certainty is required, or where specific best practice guidance so dictates. Where this is the case, it is clearly described within the topic specific ES chapter.

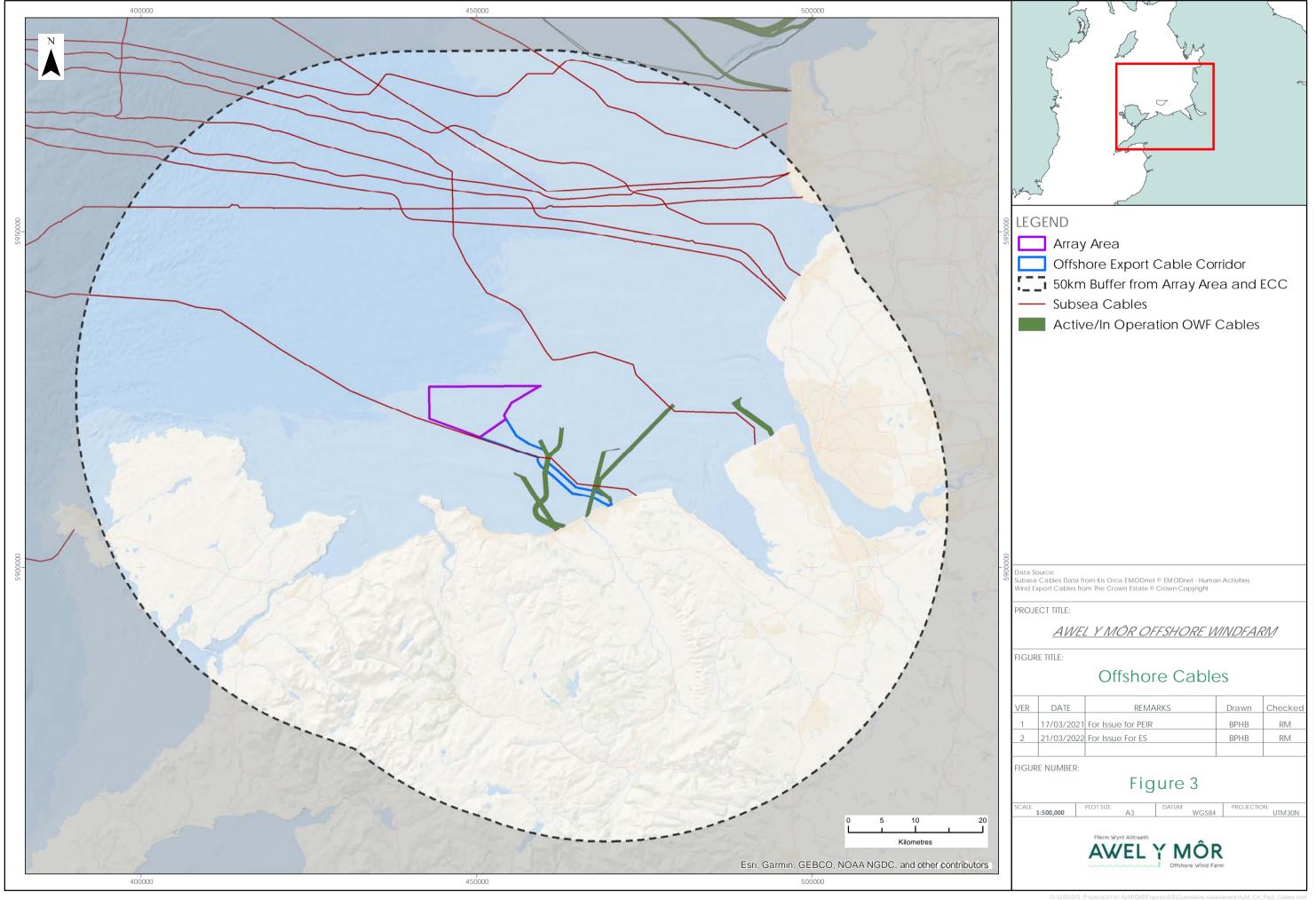
Table 4.4: Description of Tiers of other developments considered for CEA¹⁴.

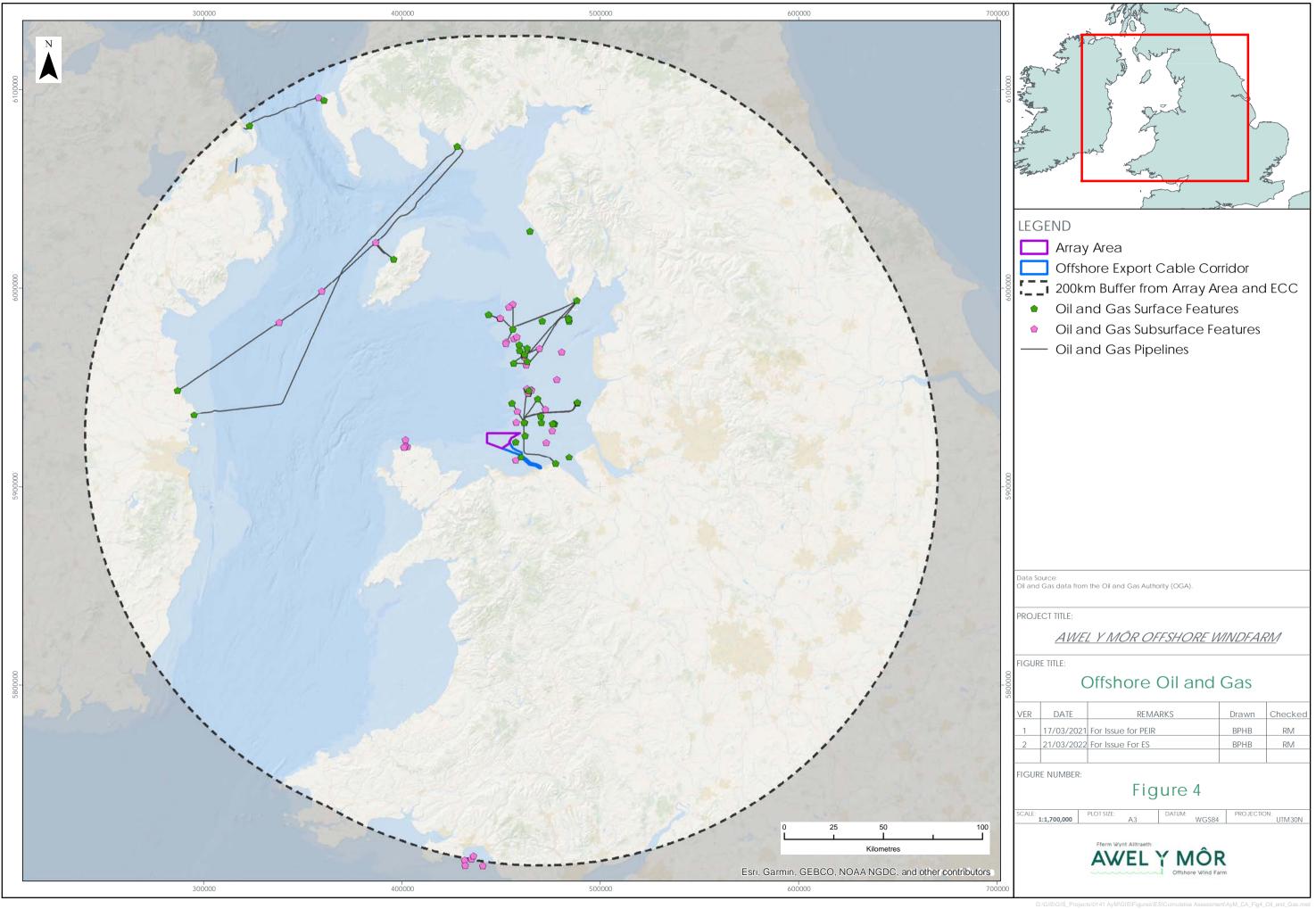
Tiers	Development Stage
Tier 1	Projects under construction.
	Permitted applications, whether under the Planning Act 2008 or other regimes, but not yet implemented.
	Submitted applications, whether under the Planning Act 2008 or other regimes, but not yet determined.
Tier 2	Projects on the Planning Inspectorate's Programme of Projects where a Scoping Report has been submitted.
Tier 3	Projects on the Planning Inspectorate's Programme of Projects where a Scoping Report has not been submitted.
	Identified in the relevant Development Plan (and emerging Development Plans with appropriate weight being given as they move closer to adoption) recognising that much information on any relevant proposals will be limited.
	Identified in other plans and programmes (as appropriate) which set the framework for future development consents/ approvals, where such development is reasonably likely to come forward.

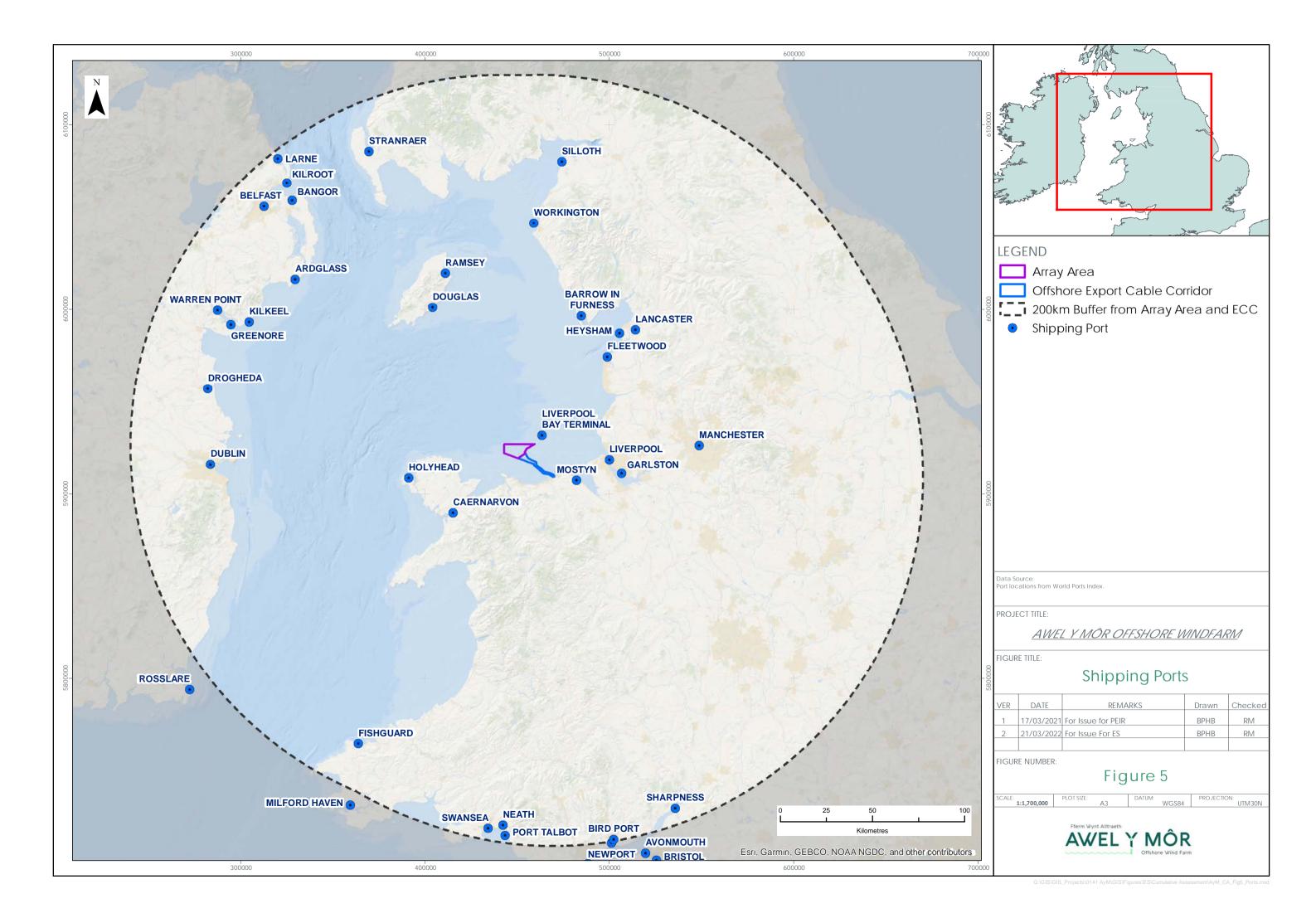
¹⁴ Tier descriptions adapted from PINS Advice Note 17.

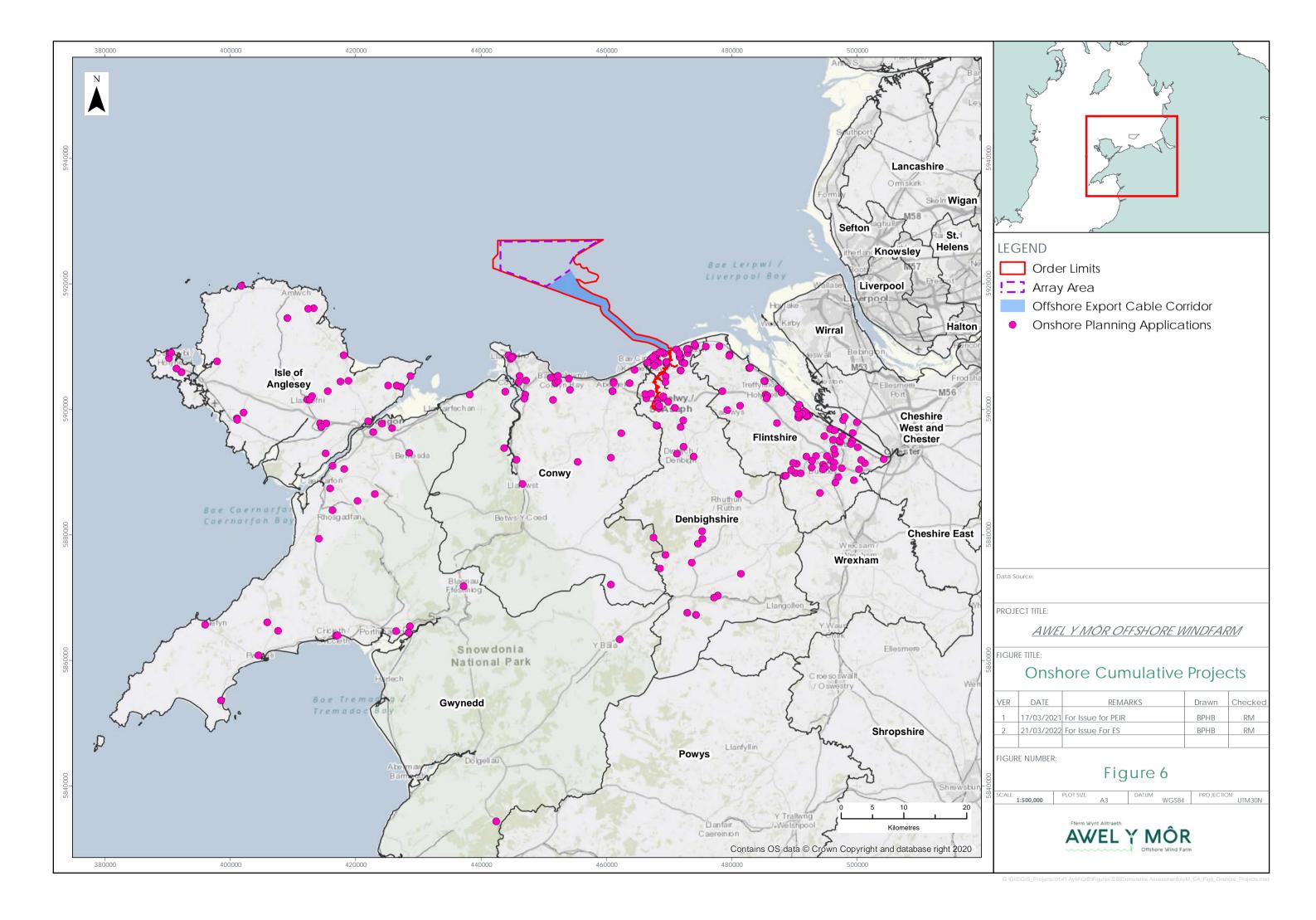














4.3 Stage 2

Screening of longlist – interactions

Once the AyM CEA longlist had been finalised, all projects, plans and activities were then screened based on whether there is a conceptual impact-receptor pathway for effect. The Stage 2 exercise screened the longlist in terms of whether the project, plan or activity is considered to be part of the existing baseline environment or not. Existing projects that have ongoing effects have also been screened in. The next steps included whether there was the potential for temporal overlap (i.e. activities occurring concurrently), spatial overlap (i.e. activities occurring within a certain distance from one another), but also the level of confidence in the data and detail that was publicly available. This Stage 2 screening produced EIA topic-specific shortlists of projects to be considered and refined further within the CEA as part of each ES chapter. Table 4.5 provides definitions of some of the screening criteria that were applied.

Table 4.5: Definitions of screening criteria.

Term	Criteria
Potential impact- receptor pathway	There is the potential that a pathway exists whereby an impact could have an effect on a receptor. For example, increases to suspended sediment concentration could have an impact on fish and shellfish receptors, but underwater noise could not have an effect on aviation and radar receptors.
Spatial effect interaction	The impacts on a receptor from AyM and one or more other plans/projects have a geographical overlap. For example, underwater noise contours from piling at AyM could overlap with those of another offshore wind farm project, if it is sufficiently close to AyM. If there is no spatial interaction, there is no potential for a cumulative effect.
Temporal effect interaction	The impacts from AyM and one or more other plans/projects have the potential to occur at the same time. If there is no temporal interaction, there is no potential for a cumulative effect.

All plans, projects and activities are screened based on the potential impacts of each in combination with AyM, therefore, the plan, project or activity may be screened out for one receptor/ topic of the ES but screened in for another. Those plans, projects and activities that are screened in are then carried forward into the CEA.



- During the screening process, the steps detailed in Table 4.5 were followed in the defined order to allow a clear justification for screening projects in or out. This allowed for the screening out of projects with limited data availability and, as a result, effects that could not be included due to a lack of data, while screening in those that could be considered with the available data.
- Only where there is the potential for both spatial and temporal interaction between effects at AyM and one or more other plans/ projects, has a cumulative impact been taken forward for consideration in the CEA. The screening of the longlist will identify those projects screened in or out for further consideration on the basis of one or more of the preceding criteria into a topic-specific shortlist. The shortlist identifies all the projects, plans, and activities that have the potential to give rise to cumulative effects when considered alongside the worst-case potential impacts arising from AyM but does not identify the differences in impact ranges for different environmental receptors. For example, this exercise treats fish and shellfish as a single receptor group but does not distinguish between different species; this is left for the CEA section of the fish and shellfish ES chapter. Table 4.6 below details these topic-specific screening ranges that have been applied to the longlist.

Table 4.6: Topic-specific screening ranges applied to the longlist.

EIA receptor group	Maximum extent of effect and justification	
Physical processes	15 km from the array area and offshore ECC, based on the	
	distance of one tidal excursion ellipse.	
Marine water and sediment	15 km from the array area and offshore ECC, based on the	
quality	distance of one tidal excursion ellipse.	
Benthic subtidal and intertidal	15 km from the array area and offshore ECC, based on the	
ecology	distance of one tidal excursion ellipse.	
Fish and shellfish ecology	50 km from the array area, based on a precautionary impact	
	range from underwater noise.	
	15 km from the offshore ECC, based on the distance of one tidal	
	excursion ellipse.	
Marine mammals	Dependent on the reference population extent, i.e. the Celtic and	
	Irish Seas management unit for harbour porpoise.	
Offshore ornithology	Dependent on the maximum foraging range of the bird species in	
	question.	
Commercial fisheries	Extent of the relevant fishing grounds.	
Shipping and navigation	Based on shipping lanes and available sea room around the	
	relevant components of AyM.	
Military and civil aviation	Distance at which disturbance from the AyM array area would	
	interact with that of another development, assumed at this stage	
	to be 45 km.	
Seascape, landscape and visual	Based on the maximum extent of the Zone of Theoretical Visibility	
impacts	(ZTV).	



EIA receptor group	Maximum extent of effect and justification	
Marine archaeology	Dependent on the archaeological receptor in question but as a worst-case, 15 km from the array area and offshore ECC, based on the distance of one tidal excursion ellipse.	
Other marine users and activities	Dependent on the receptor in question, in line with the maximum extents for physical processes, fish and shellfish ecology, aviation and tourism and recreation.	
Terrestrial ecology and nature conservation	Precautionary 5 km from the onshore ECC and onshore substation area. Distances will vary depending on type of depending on the type of development/the potential impacts anticipated and the ecological receptor that may be affected.	
Archaeology and cultural heritage	Agreed to be scoped out in the PINS Scoping Opinion.	
Airborne noise and vibration	Precautionary 2 km from the onshore ECC and onshore substation area. Exact distances are to be confirmed by the ZoI of anticipated impacts.	
Traffic and transport	Schemes of regional significance within Conwy and Denbighshire as agreed with the relevant local authorities. Any proposals outside these areas would not be considered unless the proposal was a significant scheme expected to generate a large number of vehicle movements.	
Air quality	 Construction Dust Assessment (qualitative assessment of potential dust generated by construction activities) Construction of any committed development within 700m from the Site Boundary/Location of works. Construction Traffic Emissions Assessment (assessment of additional vehicle trips associated with the construction of the development) Where there is a spatial and temporal overlap in terms vehicle movements generated from both the proposed development, and other committed developments (no set distance as this is determined at a transport level). 	
Hydrology, hydrogeology and flood risk	Based on any surface water catchments and flood risk areas that overlap with the onshore project activities. Exact screening distance to be confirmed.	
Geology and ground conditions	Preliminary 500 m buffer from the onshore ECC and 1 km from the onshore substation area. The assessment would also consider a 'sliding scale' in addition to account for potentially significant schemes that are >1km from the site, whilst also discounting small, less obtrusive activities that are <500 m.	
Onshore landscape and visual impacts	500 m from the onshore ECC and 5 km from the onshore substation area, considered to be the maximum distance over which the onshore substation would be visible and the distance over which cumulative effects could occur.	
Socioeconomics	Schemes of regional significance as agreed with the relevant local authorities.	



EIA receptor group	Maximum extent of effect and justification
Tourism and recreation	Dependent on the receptor in question, but in line with the maximum extents for seascape and landscape impacts and socioeconomics.
Public health	2 km from the onshore ECC and onshore substation area. Final distances are to be confirmed but will be informed by the airborne noise and vibration and air quality assessments.

- These topic-specific ranges have been applied to the longlist, to identify relevant shortlist plan, projects and/ or activities to be taken forward to the topic-specific CEA presented in each ES chapter. These are described within Appendix A, and a summary of the shortlist tables are presented in each of the ES chapters.
- The process for screening the longlist into a series of topic-specific shortlists is summarised in Table 4.7.

Table 4.7: CEA longlist screening criteria.

Screening criteria	Screening assessment	Conclusion	
Step 1 – Conceptual impact-red	Step 1 – Conceptual impact-receptor pathway		
Does a conceptual cumulative impact-receptor	No conceptual cumulative impact- receptor pathway for effect.	Screened out.	
pathway exist?	Yes, impact(s) from the project, plan or activity could theoretically interact to produce a cumulative effect.	Proceed to step 2.	
Step 2 – Baseline environment			
Is the project, plan or activity	Yes.	Screened out.	
part of the existing baseline environment?	Yes, but has an ongoing effect that is not considered part of the baseline environment.	Proceed to step 3.	
	No – project, plan or activity is currently in planning and therefore cannot be considered as part of the existing environment.		
Step 3 – Data confidence			
What is the level of confidence in the data	Low – a meaningful assessment cannot be undertaken.	Screened out.	
available?	Medium or high – enough data is available for the project, plan or activity to enable a meaningful assessment to be undertaken, either quantitatively or qualitatively.	Proceed to step 4.	
Step 4 – Spatial effect interaction			
Is there physical effect- receptor overlap? (see screening ranges applied in Table 4.6).	No, the project, plan or activity is sufficiently distant from AyM such that there is no geographical overlap of their maximum impact extents.	Screened out.	



Screening criteria	Screening assessment	Conclusion
	Yes, impacts on a receptor from AyM together with other plans, projects and activities overlap geographically.	Proceed to step 5.
Step 5 – Temporal effect interd	action	
Is there a temporal overlap of potential effects?	No, the project, plan or activities will not occur at the same time as the relevant phase of AyM (i.e. construction or operation and maintenance) and therefore there is no potential for a cumulative effect.	Screened out.
	Yes, the project, plan or activity is anticipated to occur concurrently with the relevant phase of AyM.	Screened in – potential for cumulative effect exists.

4.4 Stages 3 and 4

- The next stage (Stage 3) of the CEA included gathering information on the projects, plans and activities screened in so that a meaningful assessment can be undertaken. Such information included public sources such as ESs and associated planning application documents, project websites and, where such information was not readily accessible, industry consultation with the developers and operators of the schemes, as well as regulators and local authorities in order to gather the most accurate and up to date project information.
- Information gathered on the projects, plans and activities screened in have been collated and input into Stage 4 of the CEA, which has been carried out on a topic-bytopic basis within the CEA section of the relevant ES chapter.
- In terms of the scope of impacts that have been assessed within the CEA, these were the same impacts assessed for the project alone in the main EIA assessments. Any effect that has been concluded to be of negligible or neutral significance (in EIA terms) for the project alone, would make no material contribution to any potential cumulative effect, and was therefore scoped out of the CEA. Effects of greater than negligible significance for the project alone have been considered cumulatively.



5 References

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APPENDIX A – CEA Longlist

RWE Renewables UK Limited Awel y Môr Offshore Wind Farm

Project Number: 01-41

Date: August 2021

Revision: 1.0 (external)



Offshore Cumulative Effects Assessment Matrix - Key



No data
Concept/In Planning/Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

а	Included as part of the topic baseline and hence not considered within the cumulative impact assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative impact assessment: Screened in to assessment.
С	Potential cumulative impact exists: Screened in to assessment.
d	No conceptual effect-receptor pathway: Screened out of assessment.
е	Low data confidence: Screened out of assessment.
f	No physical effect-receptor overlap: Screened out of assessment.
g	No temporal overlap: Screened out of assessment.



Offshore Cumulative Effects Assessment Matrix - Data Sources



Data	Data Source	Date
Aggregate Production Area	The Crown Estate	Jan-22
Disposal Sites	CEFAS	Mar-21
Outfall	Marine Themes Data Product (OceanWise)	Dec-19
Natural Gas	The Crown Estate	Mar-21
O&G Surface Features	O&G Authority	Aug-20
O&G Subsurface Features	O&G Authority	Aug-20
O&G Pipelines	O&G Authority	Aug-20
Ports	World Ports Index (WPI)	Aug-20
Subsea Cables	KISORCA	Mar-21
OWF Export Cables	The Crown Estate	Jan-22
Offshore Wave Site Agreements	The Crown Estate	Mar-21
Offshore Tidal Site Agreements	The Crown Estate	Mar-21
Offshore Wind Farms (England/Wales)	The Crown Estate	Jan-22
Offshore Wind Farms (Scotland)	Crown Estate Scotland	Jan-22
Offshore Wind Farms (Europe)	EMODnet	Jan-22
Onshore schemes	Local authority planning portals	Jan-22



Project type	Screening Range (km)
Aggregates and Disposal	50
Offshore Energy	500
Commercial Fisheries	200
Cables and Pipelines	50
Oil and Gas	200
Shipping	200
Military, Aviation and Radar	200
Coastal	200
Onshore	N/A (LPA boundaries)

"Offshore Cumulative Effects Assessment Matrix - Screening Ranges"

Offshore Cumulative Effects Assessment Matrix -Screening Ranges



Offshore Cumulative Effects Assessment Matrix - Aggregates and Disposal

RV	۷E	
Archaeology and Cultural Heritage	Other Marine Users and Activities	

AWEL Y N	TOR re Wind Farm			ı	Caratana	Non-Deviced (and an other		A.u.alM	a Walana															RV	٧E
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	OZ C	SOS SOS	2023 2023	2024 2024 e geuotes	Awel y Mi	or offshore	5058 505 505 505	Distance from th AyM array area (km)	e Distance from th AyM Offshore Export Cable Corridor (km)	e Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Omithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	age	Other Marine Users and Activities
United Kingdom Liverpool Bay (1808)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Aggregate Expolaration and Option Area	Active								5.5	11.9	22.2	b	ь	b	ь	d	d	d	d	d	d	b	d
Hilbre Swash (392)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Aggregate Production Area	Active								5.6	9.3	24.3	ь	ь	ь	ь	d	d	d	d	d	d	b	d
Hilbre Swash (393)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Aggregate Production Area	Active								5.6	9.3	22.2	b	ь	ь	ь	d	d	d	d	d	d	b	d
Liverpool Bay (457)	EMODnet		Aggregate Production Area	Active								11.4	17.6	22.0	ь	,	ь	r	f	r	,	,	r	d	b	ſ
Liverpool Bay (Sludge)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed								0.0	5.9	15.2	9	9	9	9	g	9	g	g	g	d	9	g
Liverpool Bay (Sludge) B	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed								1.0	6.8	15.0	9	g	g	9	g	9	g	g	g	d	9	g
Liverpool Bay (Industrial)	EMODnet	Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Closed								2.0	8.7	17.2	g	g	g	g	g	g	g	g	9	d	g	g
Site I (NW Light Float)	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Closed								2.6	9.6	17.9	g	g	g	g	g	g	g	g	g	d	g	g
Conwy Bay	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Disused								13.7	19.7	13.1	g	g	9	g	g	g	g	9	g	d	g	g
BHP Pipeline Route (IS150)	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Closed								13.5	20.6	28.9	g	g	g	9	g	g	g	g	g	d	g	g
Site Y	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Open								13.7	20.8	28.6	ь	,	,	,	,	,	,	,	,	d	b	,
Puffin Island	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Closed								16.1	19.9	15.9	a	a	a	a	a	a	a	a		d	a a	a
Burbo Bank Extension OWF	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Closed								15.6	16.9	32.3	a	a	9	a	a	a	a	a .	9	d	a	a
Conway Benefical Use	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Open		-						15.6	15.6	17.1	ſ	,	,	,	,	,	,	ļ	,	d		,
Deganwy Beneficial Use	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Open								15.7	15.7	17.4		,		,	,	,	ļ.,	<u> </u>	ļ.,			,
Point Lynas	EMODnet	Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Closed								30.5	39.0	29.8								9	9	4		0
Site Z	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Open								22.3	26.9	38.6				· ·		, _	, _	,	,			
BHP Pipeline Route (IS148)	EMODnet	being 'accurate' Medium - Third party project details published in the public domain and confirmed as		Closed								23.4	28.3	39.6											2	
Mostyn Deep (Maintenance)	EMODnet	domain and confirmed as being 'accurate' Medium - Third party project details published in the public domain and confirmed as	Sea Disposal Site	Open								25.0	10.2	38.1	, a	,	9	, _	9	g ,	9	9	9		9	
Mostyn Deep	EMODnet	being 'accurate' Medium - Third party project details published in the public	Sea Disposal Site	Disused								25.0	10.2	38.1												
Point Of Ayr Foreshore	EMODnet	details published in the public	Sea Disposal Site	Closed								25.4	9.6	38.1	g	ġ	g	g	ģ	g	g	ġ	g	d	g	g
		domain and confirmed as being 'accurate'													g	g	g	g	g	g	g	g	g	d	g	g

					Constr	uction Peri	od (red ou	utline der	notes Aw	el y Môr c	ffshore cor	struction p	eriod)		1														
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2024	2025	2026	2027	2029	2030	20	Distance from the AyM array area (km)	Distance from the AyM Offshore Export Cable Corridor (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Site I (Original Area)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											26.0	29.9	42.3	g	g	g	g	g	g	g	g	g	d	g	g
Dee Estuary	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											26.0	12.9	40.0	g	g	g	g	g	g	g	g	g	d	g	g
Formby & Taylors Point	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											28.1	27.1	44.8	g	g	g	g	g	g	g	g	g	d	g	g
BHP Pipeline Route (IS147)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											29.2	33.1	45.2	g	g	g	g	g	g	g	g	g	d	g	g
Mostyn Breakwater	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Open											29.6	12.7	42.0	r	r	r	r	r	r	r	r	r	d	ь	r
Preston	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											38.6	44.8	53.4	g	g	g	g	g	g	g	g	g	d	g	g
Wallasey	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											38.7	30.2	54.8	g	g	g	g	g	g	g	g	g	d	g	g
Mersey (Mid-River Site)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Open											39.4	30.5	55.5	ſ	r	,	,	,	,	,	r	r	d	ь	r
Mersey (Mid-River 2)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											40.2	30.2	56.0	g	g	g	g	g	g	g	g	g	d	g	g
Bramley Moore Dock	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											40.8	31.3	56.8	g	g	g	g	g	g	g	g	g	d	g	g
Nelson Dock	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											40.9	31.2	56.8	g	g	g	g	g	g	g	g	g	d	g	g
Manai Strait	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											44.1	47.6	43.7	g	g	g	g	g	g	g	g	g	d	g	g
Canning Half Tide	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Open											42.0	31.2	57.6	ſ	r	r	ı	,	r	r	r	r	d	ь	r
Mersey of Bromborough	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											45.5	32.4	60.3	g	g	g	g	g	g	g	g	g	d	g	g
Mersey of Bromborough 2	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Disused											46.5	33.1	61.2	g	g	g	g	g	g	g	g	g	d	g	g
Mersey (Garston Site)	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Open											48.4	35.0	63.1	r	r	r	ı	r	r	r	r	r	d	ь	,
Middle Deep, Mersey	EMODnet	Medium - Third party project details published in the public domain and confirmed as being 'accurate'	Sea Disposal Site	Closed											48.5	34.5	63.0	g	g	g	g	g	g	g	g	g	d	g	g

Offshore Cumulative Effects Assessment Matrix - Cables and Pipelines

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Offshore	Wind Farm			ĺ	Constru	ction Period	(red outline	denotes	Awel v Mo	or offshore	constructi	ion period	a)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development		ction Period 2022 202	2023	2024	2026	2027	2028	2030	2030 - 2050	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Ofshore Omithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
United Kingdom Gwynt y Môr OFTO	The Crown Estate	High - Third party project	Offshore Wind Farm Export Cable	Activo										E O	0.0	16.6												
onymy wa on o	III. CIOTII CIAIC	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate		Active										3.6	0.0	10.0	d	d	ь	d	d	d	d	d	d	d	Ь	d
Rhyl Flats	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										7.3	2.7	14.9	d	d	b	d	d	d	d	d	d	d	b	d
North Hoyle	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										13.4	0.0	26.1	d	d	ь	d	d	d	d	d	d	d	b	d
Burbo Bank Extension OFTO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										15.8	0.0	26.7	d	d	d	d	d	d	d	d	d	d	b	d
Burbo Bank	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										28.6	23.1	45.0	r	r	r	f	r	r	ı	r	r	d	ь	,
Walney Extension Transmission Asset	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										49.6	55.4	56.4	r	,	,	ı	r	ı	,	r	,	d	b	,
Walney 2 OFTO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										53.7	60.6	65.1	r	,	,	r	r	r	,	r	,	d	b	,
West of Duddon Sands OFTO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										57.8	63.9	65.6	r	,	,	r	r	r	ı	r	,	d	b	r
Barrow OFTO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Offshore Wind Farm Export Cable	Active										59.4	66.0	69.2	r	,	,	r	r	r	ı	r	,	d	b	r
Ormonde OFTO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate		Active										60.2	66.8	70.1	r	,	,	,	r	r	,	r	,	d	b	r
Walney 1 OFTO	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate		Active										60.5	66.6	68.0	r	,	,	r	r	r	,	r	,	d	b	r
Geo-Eirgrid (East West Interconnector)	TeleGeorgraphy; KISORCA	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										0.2	0.0	0.5	f	ь	Ь	Ь	r	r	r	r	r	d	b	f
Western HVDC Link	TeleGeorgraphy: KISORCA	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										4.3	11.2	18.0	f	ı	Ь	ſ	r	r	r	r	r	d	b	ſ
ESAT- 2	TeleGeorgraphy; KISORCA; EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Esat BT	Active										23.6	28.8	26.6	ı	,	r	r	ı	,	r	,	r		b	r
GTT Atlantic (Hibernia 'C') Sirius South	TeleGeorgraphy: KISORCA; EMODnet TeleGeorgraphy:	domain but not confirmed as being 'accurate'		Active										26.5	31.4	31.3	f	,	ľ	ſ	r	r	ı	r		d	b	ſ
Havhingsten / CellixConnect-2 (CC-2)	TeleGeorgraphy; KISORCA; EMODnet	domain but not confirmed as being 'accurate'		Under										27.9	33.6	32.9	ſ	,	ľ	1	ſ	,	,	1	ľ	d	b	,
CeltixConnect-2 (CC-2) Lanis -1	TeleGeorgraphy: KISORCA; EMODnet	details published in the public domain but not confirmed as being 'accurate' Medium - Third party project details published in the public	Telecommunication Cable c Aqua Comms Telecommunication Cable	Construction										29.0	34.4	35.6	ı	'	ľ	r	ſ	ſ	c	1	ľ	d	c	ſ
GIT Atlantic (Hibernia 'A')	KISORCA: EMODnet TeleGeorgraphy: KISORCA: EMODnet	domain but not confirmed as being 'accurate'	Telecommunication Cable	Active										32.0	38.8	39.1	f	ľ	ľ	ſ	r	,	ľ	r	·	d	b	1
	KISORCA; EMODnet	details published in the public domain but not confirmed as being 'accurate'	GΠ														ſ	ſ	t	r	t	ſ	ı	ı	ſ	4	ь	r

Decis et	Data Source(s)	Data Confidence	Nata			tion Period	(red outli	ne denote	s Awel y	Mör offshore	e construc	ction peri		Distance from the	Distance from the	Distance to the	= %	п »	п >	٤ >	W	e >	= 8	70 C	I = c	20=	ъ о	0.7.9
Project	Data Source(s)	Assessment	NOILES	Status of Development	202	2021	202:	202	202	2026	2028	ction perio	2030	Distance from the Awel y Môr OWF array area (km)	Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physica Processe	Water and ediment Qualit	Benthic and Itertidal Ecologi	Fish and Shellfisl Ecologi	larine Mammal	Offshore	Commercia Fisherie	Shipping an Navigatio	Allitary and Civ Aviation	Seascape Landscape an Visue	uchaeology an Cultural Heritag	Other Marin Users and Activitie
E-LLAN	TeleGeorgraphy; KISORCA; EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Telecommunication Cable Manx Electricity Authority	Active										42.0	48.8	51.0	ſ	ı	ı	r	1	,	,	r	,	d	\$ ⁰	,
Rockabill	TeleGeorgraphy; EMODNet; Digitised	being 'accurate'	Telecommunication Cable euNetworks	Active										43.2	48.2	45.7	r	r	r	r	r	r	r	r	r	d	Ь	r
CeltixConnect-1 (CC-1)(BT- TE1)	TeleGeorgraphy; KISORCA	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										55.4	61.9	54.6	r	r	r	r	r	r	r	r	r	d	b	r
DD-POA Gas Export	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni (Gas)	Active										2.0	1.4	20.3	r	Ь	ь	Ь	r	r	ı	r	r	d	Ь	r
POA-DD Methanol	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										2.0	1.4	20.4	f	Ь	ь	ь	r	r	r	r	r	d	ь	r
POA-DD Concensate	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										2.0	1.4	20.4	f	ь	ь	ь	r	r	r	r	r	d	ь	r
Conwy to Douglas Oil Expor		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.6	12.5	20.9	r	ľ	ь	r	r	,	,	r	r	d	b	r
Douglas to Conwy Condensate Injection	Oil and Gas Authority	domain but not confirmed as being 'accurate'		Active										5.6	12.5	20.9	r	ľ	ь	r	r	,	,	r	r	d	b	r
Injection	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Abandoned										5.6	12.5	20.9	g	g	g	g	g	g	g	g	g	d		g
Douglas to Conwy Umbilica		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.6	12.5	20.9	f	r	ь	ſ	r	r	r	r	r	d	b	f
Douglas to CACM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.6	12.5	21.9	r	r	ь	r	r	r	ı	ı	r	d	b	r
Hamilton to Douglas Gas Line	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.6		22.0	r	r	ь	r	r	r	ı	ı	r	d	b	r
Hamilton North to Douglas Gas Line		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.7		21.9	r	r	ь	r	r	r	,	,	r	d	ь	r
Douglas to Hamilton North		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.7	12.5	21.9	r	r	ь	r	t	ſ	t	r	r	d	Ь	ſ
Douglas to Lennox Gas Line (PL1036A)		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.7	12.6	22.1	r	r	Ь	r	r	r	r	r	r	d	Ь	ſ
Lennox to Douglas Gas Line		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.7	12.5	22.0	r	r	ь	r	t	ſ	t	r	r	d	Ь	ſ
Lennox to Douglas Oil Line		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Not in Use										5.7	12.6	22.0	g	g	g	g	g	g	g	g	g	d		g
Douglas to Lennox Chemical Line (PL1037)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.7	12.6	22.0	t	r	ь	r	r	ľ	r	r	r	d	b	r
Douglas to Hamilton	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.8	12.6	22.1	ſ	r	ь	r	r	ľ	,	ľ	,	4	b	r
Douglas to Lennox Gas Line (PL1036)		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Not in Use										5.8	12.6	22.0	9	g	g	9	g	g	g	g	g	d	g	g
Douglas to Lennox Chemical Line (PL1038)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active										5.8	12.6	22.0	ſ	r	ь	r	r	r	r	ſ	r	d	b	r
Hamilton East Umbilical	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Condensate)	Active										17.4	24.5	33.0	r	r	r	r	r	r	ı	r	r	d	ь	r

					Construct	ion Period (re	ed outline deno	ites Awel y	Mör offshore	construction	n period)					_							_			
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	202	2028	2030	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and ediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Hamilton East Pipeline	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Gas)	Active								17.4	24.6	33.0	ı	r	,	r	r	r	r	r	r	d		ſ
OSI Anchor Cable 4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								20.5	26.7	30.9	r	r	ı	r	r	r	r	r	r	d	b	r
OSI Anchor Cable 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								20.5	26.7	30.8	r	r	ı	r	r	r	r	r	r	đ	ь	r
OSI Anchor Cable 6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								20.5	26.7	30.8	r	r	ı	r	r	r	r	r	r	d	ь	ſ
OSI Anchor Cable 3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								21.8	28.0	31.9	r	r	ı	r	r	r	r	r	r	đ	ь	ſ
OSI Anchor Cable 1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								21.8	28.0	31.9	r	r	ı	r	r	r	r	r	r	đ	ь	ſ
OSI Anchor Cable 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								21.8	28.0	31.9	r	r	ı	r	r	r	r	r	r	đ	ь	ſ
OSI Anchor Cable 8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni	Active								21.8	28.0	31.9	r	,	,	r	r	r	r	r	,	d	b	r
OSI Anchor Cable 7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Methanol)	Active								21.8	28.0	31.8	r	r	,	r	r	,	r	r	r	d	b	r
OSI Anchor Cable 9	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Eni (Condensate)	Active								21.8	28.0	31.9	r	r	,	r	r	,	r	r	r	d	b	r
Rivers Onshore Terminal to Calder	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Chrysaor (Chemical)	Active								35.2	40.3	38.9	r	,	,	r	r	r	r	r	,	d	b	r
Calder to Rivers Onshore Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Chrysaor (Gas)	Active								35.2	40.3	38.9	r	r	ı	r	r	r	r	r	r	đ	ь	r
Calder to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Chrysaor	Active								35.3	40.2	38.8	f	r	r	r	r	r	r	r	r	d	ь	f
Morecambe CPP1 to DP3 Eelectric	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Condensate)	Not in Use								36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	d	g	g
Morecambe DP3 to CPP1 Electric	Oil and Gas Authority	details published in the public domain but not confirmed as being 'accurate'		Not in Use								36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	d	g	g
Morecambe CPP1 to DP3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Decommission								36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	d	g	g
Morecambe DP3 to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Gas)	Decommission								36.4	42.0	42.8	g	g	g	g	g	g	g	g	g	d	g	g
Morecambe CPP1 to DP3 Electric - 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Decommission								36.4	42.1	42.9	g	g	g	g	g	g	g	g	g	d	g	g
	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active								39.6	45.0	45.0	,	,	, _	,	r	,	r	r	,	d	ь	
Morecambe DP4 to CPP1 Electric	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy (Condensate)	Decommission								39.6	45.1	45.0	9	g	g	g	g	g	g	g	g	d	g	g
Morecambe CPP1 to DP6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy	Active								39.6	45.1	45.0	ſ	r	,	r	r	,	r	r	,	d	Ь	
Morecambe CPP1 to DP4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Pipeline Spirit Energy	Decommission								39.6	45.1	45.0	g	g	g	g	g	g	g	g	g	d	g	g

					Const	ruction Pe	riod (red	outline de	notes Av	vel y Môr	offshore co	nstruction	period)	_								1.4							
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2022	2023	2025	2026	2027	2029	2030	50	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Morcambe CPP1 to DP8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Spirit Energy	Active											39.6	45.1	45.0	r	r	r	r	r	,	r	r	ı	d	ь	ľ
Morecambe DP8 to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Spirit Energy (Gas)	Active											39.6	45.1	45.0	ſ	r	ı	r	r	ı	r	r	r	4	ь	ſ
Morcambe CPP1 to DP6 Electric	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy (Condensate)	Active											39.6	45.1	45.1	r	r	r	r	r	r	r	r	r	d	ь	r
SMT Trunkline	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Spirit Energy (Gas)	Active											39.6	45.1	45.1	ſ	r	ı	r	r	,	r	r	r	4	ь	r
Morecambe DP1 to Bains	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Chrysaor (Chemical)	Active											39.6	45.1	45.1	r	r	r	r	r	r	r	r	r	d	ь	r
Morecambe DP4 to CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Spirit Energy (Gas)	Decommission											39.6	45.1	45.1	9	g	g	g	9	g	9	g	g	d	g	g
Bains to Morecambe DP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor (Gas)	Active											39.6	45.1	45.1	r	r	r	r	r	r	r	r	r	d	ь	r
Morecambe DP6 to DP8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Spirit Energy	Active											41.6	46.8	45.9	r	r	ı	r	r	r	r	r	r	d	ь	r
Morecambe DP8 to DP4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Spirit Energy	Decommission											42.9	48.5	48.4	9	g	g	g	9	g	g	g	9	d	g	g
Dalton Plem to Dalton Wellhead R2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Chrysaor (Chemical)	Active											45.1	50.1	46.8	r	r	r	r	r	r	r	r	r	d	ь	r
Wellhead R2 to Dalton Plem	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor (Gas)	Active											45.2	50.1	46.8	r	r	r	r	r	r	r	r	r	d	ь	r
Dalton Wellhead R1 to Dalton Plem	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	c Chrysaor (Gas)	Active											46.0	51.0	47.7	r	r	,	r	r	r	r	r	r	a	ь	r
Dalton Plem to Dalton Wellhead R1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor (Chemical)	Active											46.0	51.0	47.7	r	ſ	r	r	r	r	r	r	r	d	ь	r
Morecambe DPPA to Dalton Plem	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor (Chemical)	Active											46.0	51.0	47.7	r	r	r	r	r	r	r	r	r	d	ь	r
Dalton Plem to DPPA	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor (Gas)	Active											46.1	51.0	47.7	t	ſ	1	,	r	,	,	,	,		Ь	ľ

AWELY M	ÔR Wind Farm				Offshore		ive Effects				eries	eriod)	_													RV	٧E
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2024	2025	2028	2029	2030 - 2050	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mör Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshare Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
United Kinadom Fishing Rights	Industry information: Cefas	High - Third party details published in the public domain and confirmed as being 'accurate' by Cefas.		Ongoing									N/A	N/A	N/A	ſ	ſ	ſ	f	f	r	f	f	ſ	d	ь	r
Aquaculture - Mussels (Class 5)	s DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Conwy - Morfa, Gamlwys and Green Island	Ongoing									13.9	14.1	15.1	ſ	r	f	r	r	r	,	,	f	d	ь	f
Aquaculture - Mussels (Class 5)	s DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Conwy - Scabs and Cae Conwy	Ongoing									14.5	14.8	15.3	f	r	f	r	r	r	ı	ı	f	d	ь	f
Aquaculture - Mussels (Class 2)	s DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Conwy - Conwy Bridge	Ongoing									15.9	15.9	17.9	f	r	f	r	r	r	ı	ı	f	d	ь	f
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Anglsey Red Wharf Bay - All Beds	Ongoing									21.4	23.4	21.3	ſ	ı	f	ı	ı	r	ı	ı	r	d	b	f
Aquaculture - Cockles (Class 2)	DEFRA	High - Third party details published in the public domain and confirmed as	Menai Strait East - Lavan West	Ongoing									22.9	28.0	22.4	f	r	f	r	r	r	ı	ı	f	d	ь	f
Aquaculture - Cockles (Class 5)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Menai Strait East - Lavan West	Ongoing									23.7	26.4	23.5	ſ	ı	f	ı	ı	r	ı	ı	r	d	b	f
Aquaculture - Mussels (Class 5)	s DEFRA	High - Third party details published in the public domain and confirmed as	Menai Strait East - Bangor, Gallov Horses., Gann	rs. Ongoing									24.8	28.3	24.4	ſ	ı	f	ı	ı	r	ı	ı	r	d	b	f
Aquaculture - Cockles (Class 5)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Salisbury	Ongoing									26.5	11.5	39.7	ſ	ı	ſ	ı	ı	r	ı	ı	r	d	ь	r
Aquaculture - Mussels (Class 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Dee - Salisbury	Ongoing									26.5	11.5	39.7	ſ	ı	f	ı	ı	r	,	,	f	d	ь	ſ
Aquaculture - Cockles (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as	Dee - West Kirby	Ongoing									28.0	15.3	42.5	ſ	r	f	r	r	r	ı	ı	r	d	ь	f
Aquaculture - Mussels (Class 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - West Kirby	Ongoing									28.0	15.3	42.5	ſ	r	f	r	r	r	ı	ı	r	d	ь	f
Aquaculture - Cockles (Class 5)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Caldy Blacks	Ongoing									31.7	16.7	45.3	f	ı	f	r	r	ı	ı	ı	ſ	d	ь	r
Aquaculture - Mussels (Class 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Caldy Blacks	Ongoing									31.7	16.7	45.3	f	ı	f	r	r	ı	ı	ı	ſ	d	ь	r
Aquaculture - Cockles (Class 2)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Liverpool Bay Wirral - Leasowe ar New Brighton	nd Ongoing									31.8	22.3	47.7	ſ	ı	r	ı	ı	r	,	,	f	d	ь	f
Aquaculture - Cockles (Class 5)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston	Ongoing									33.0	17.5	46.3	ſ	ı	r	ı	ı	r	,	,	f	d	ь	f
Aquaculture - Mussels (Class 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston	Ongoing									33.0	17.5	46.3	ſ	ı	r	ı	ı	r	,	,	f	d	ь	f
Aquaculture - Cockles (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	ı	f	ı	ı	r	,	,	f	d	ь	f
Aquaculture - Pacific Oysters (Class 4)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	ı	f	ı	ı	r	,	,	f	d	ь	r
Aquaculture - Mussels (Class 4)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	ı	f	ı	ı	r	,	,	f	d	ь	r
Aquaculture - Native Oyster (Class 4)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	ı	ſ	ı	ı	r	ı	ı	r	d	ь	r
Aquaculture - Tapes Specie (Class 4)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	1	ſ	1	ı	ſ	r	,	,	ı	d	ь	r
Aquaculture - Surf Clam (Class 4)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	r	ı	ı	ı	r	r	r	ı	d	ь	,
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	1	ı	1	ı	,	ſ	,	,	ſ		ь	,
Aquaculture - Hard Clam (Class 4)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	r	1	ı	ı	r	r	r	ı	d	ь	,
Aquaculture - Hard Clam (Class 4)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	r	1	ı	ı	r	r	r	ı	d	ь	,
Aquaculture - Hard Clam (Class 4)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Dee - Thurstaston East	Ongoing									35.6	20.3	49.1	ſ	ſ	ı	ſ	ſ	ſ	ſ	ſ	,	d	b	r

					Constructio				wel y Môr				d)								1.0			n.				
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2027	2029	2030	2030 - 2050	Distance from the Awel y Mor OWF array area (km)		Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and ment Quality	Benthic and idal Ecology	and Shellish Ecology	ne Mammals	Offshore Ornifhology	Commercial Fisheries	Shipping and Navigation	ary and Civi Aviation	Seascape vdscape and Visual	aeology and ural Heritage	Other Marine Users and Activities
																		Sedii	Interd	돌	Mari				Mili	Ē	Arch	Ĭ
Aquaculture - Hard Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as	Dee - Thurstaston East	Ongoing										35.6	20.3	49.1	f	ſ	f	f	f	f	f	ſ	f	d	b	f
Aquaculture - Mussels (Clas 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Menai Strait West - Area 5	Ongoing										38.3	29.9	54.5	r	f	r	,	r	f	f	ſ	r	4	ь	ſ
Aquaculture - Mussels (Class 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Menai Strait West - Llanfair	Ongoing										38.3	29.9	54.5	f	r	r	r	f	r	f	ſ	r	d	ь	r
Aquaculture - Pacific Oysters (Class 5)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Menai Strait West - Area 5	Ongoing										38.3	29.9	54.5	ſ	r	ı	,	r	f	f	f	ı	d	b	r
Aquaculture - Mussels (Class 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Menai Strait West - Area 1-3	Ongoing										38.3	29.9	54.5	f	r	r	r	f	f	f	r	r	d	ь	r
Aquaculture - Pacific Oysters (Class 5)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Menai Strait West - Area 2-3	Ongoing										38.3	29.9	54.5	f	r	r	,	r	f	f	r	r	4	b	r
Aquaculture - Cockles (Class 4)	DEFRA	heing 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										38.3	29.9	54.5	f	ı	r	r	f	f	f	ſ	f	d	ь	r
Aquaculture - Pacific Oysters (Class 4)	DEFRA	domain and confirmed as being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Mersey - Mersey (Wallasey)	Ongoing										38.3	29.9	54.5	1	ı	ſ	ſ	f	1	ſ	ı	ſ		ь	f
Aquaculture - Mussels (Clas 4)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										38.3	29.9	54.5		1		,	,	1	ſ	1	ſ	d	Ь	,
Aquaculture - Native Oyste (Class 4)	s DEFRA	domain and confirmed as being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Mersey - Mersey (Wallasey)	Ongoing										38.3	29.9	54.5		,	,	,			,	,	,	d	ь	,
Aquaculture - Tapes Specie (Class 4)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										38.3	29.9	54.5			<u> </u>		,	,		,	ļ,			
Aquaculture - Surf Clam (Class 4)	DEFRA	domain and confirmed as being 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										38.3	29.9	54.5	<u>.</u>		i i									
Aquaculture - Surf Clam (Class 4)	DEFRA	domain and confirmed as being 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										38.8	42.3	38.4	ſ	<u>'</u>	<u>'</u>	ľ	ſ	•	ſ	ſ	<u> </u>	•	b	1
	DEFRA	domain and confirmed as being 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										40.0	43.6	39.7	f	f	ľ	ŕ	ſ	f	ſ	ſ	ſ	4	ь	f
Aquaculture - Hard Clam (Class 4)	DEFRA	domain and confirmed as being 'accurate' by DEFRA. High - Third party details published in the public	Mersey - Mersey (Wallasey)	Ongoing										40.3	43.8	39.9	ſ	f	ſ	ſ	f	f	f	ſ	f	d	b	f
	DEFRA	domain and confirmed as being 'accurate' by DEFRA	Mersey - Mersey (Wallasey)	Ongoing										40.8	44.4	40.5	f	f	f	ſ	f	f	f	ſ	f	d	b	f
(Class 4)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Mersey - Mersey (Wallasey)											40.8		40.5	f	f	ſ	ŕ	r	f	ſ	ſ	ſ	a	b	ı
Aquaculture - Hard Clam (Class 4)	DEFRA	published in the public domain and confirmed as being 'accurate' by DEFRA.	Menai Striat West - Traeth Melynog	Ongoing													ſ	ſ	t	ſ	f	f	f	ſ	ſ	4	ь	f
Aquaculture - Cockles (Class 5)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.												43.9	49.0	59.3	f	ſ	f	r	f	f	f	ſ	f	d	ь	f
Aquaculture - Mussels (Clas 5)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Angisey Inland Sea - Gorsedd y Penrhyn	Ongoing										44.1	47.7	43.7	ſ	ſ	ſ	ſ	f	L	f	ſ	ſ	4	b	f
Aquaculture - Mussels (Class 3)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Ribble - Ribble Walls North	Ongoing										44.4	48.4	60.0	ſ	ſ	r	,	r	f	f	ſ	r	4	ь	ſ
Aquaculture - Cockles (Class 3)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Ribble - Penfold North	Ongoing										48.6	52.8	64.0	f	ſ	f	f	f	f	f	f	f	4	b	r
Aquaculture - Cockles (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Ribble - Ribble Channel	Ongoing										48.6	52.8	64.0	ſ	ı	ſ	,	r	1	f	ſ	f	d	ь	r
Aquaculture - Mussels (Clas 4)	s DEFRA	High - Third party details published in the public domain and confirmed as	Ribble - Ribble Channel	Ongoing										50.1	56.6	49.2	ſ	ı	f	ſ	f		r	ı	ſ	d	ь	f
Aquaculture - Cockles (Class 2)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Lune - Pilling Sands	Ongoing										63.0	70.1	76.0	f	r	,	,	,	r	f	r	f		b	ı
Aquaculture - Mussels (Clas 5)	s DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Morecambe Roosebeck - Foulney	Ongoing										66.6	73.4	77.3	ſ	,	ſ	ſ	f	,	ſ	ſ	f	d	ь	f
Aquaculture - Pacific Oysters (Class 2)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Morecambe Bay Roosebeck - Roosebeck Bed 1	Ongoing										71.1	77.9	81.5	ſ	ı	,	,	,	r	f	ſ	f	d	f	ı
Aquaculture - Cockles (Class 2)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as	Morecambe Bay - Central West	Ongoing										75.7	82.7	87.1	ſ	,	ſ	ſ	f	,	ſ	ı	ſ	d		r
Aquaculture - Cockles (Class 2)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public	Morecambe Bay - Central East	Ongoing										75.7	82.7	87.3	1	,		,	,	1	f	1	ſ	d	ь	ı
	1	domain and confirmed as being 'accurate' by DEFRA.																										

					Construction			tes Awel	y Môr offsho	re constru	uction per	od)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2024	2025	2027	2028	2029	2030 - 2050	Distance from the Awel y Mor OWF array area (km)	Offshore Export	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and ediment Quality	Benthic and Itertidal Ecology	ish and Shellfish Ecology	larine Mammals	Offshore Ornifhology	Commercial Fisheries	Shipping and Navigation	Ailtary and Civil Aviation	Seascape, Landscape and Visual	rchaeology and Sultural Heritage	Other Marine Users and Activities
Aquaculture - Pacific Oysters (Class 5)	DEFRA	High - Third party details published in the public domain and confirmed as	Silloth - Dubmill Scar	Ongoing									145.0	150.4	149.2	ſ	ı	1	r	1	r	f	f	ı	d	•	1
Aquaculture - Cockles (Class 4)	DEFRA	being 'accurate' by DEFRA. High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	ſ	ſ	r	ſ	f	f	ſ	ſ	ſ	d	•	f
Aquaculture - Pacific Oysters (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	t	ſ	t	f	ſ		f	f	f	d	o	f
Aquaculture - Mussels (Class 4)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Catherinehole Scar	Ongoing									150.3	155.7	154.6	f	f	r	f	ſ		f	f	f	d		f
Aquaculture - Native Oyster (Class 4)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	t	ı	ſ	f	ſ	ſ	ſ	f	f	d	0	ſ
Aquaculture - Tapes Species (Class 4)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	ſ	f	r	f	f		r	f	f	d		f
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	ſ	f	r	f	f		r	f	f	d		f
Aquaculture - Surf Clam (Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	ſ	f	ı	ſ	f	r	ſ	f	f	d		f
Aquaculture - Hard Clam (Class 4)	DEFRA	published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	ſ	f	r	f	f	f	ſ	f	f	d		f
(Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	f	ſ	ı	f	f	ſ	ſ	f	f	d	•	f
(Class 4)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	f	ſ	r	f	f	ſ	ſ	f	f	d	•	f
Aquaculture - Hard Clam (Class 4)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									150.3	155.7	154.6	f	ſ	ı	f	f	ſ	ſ	f	f	d	•	f
Aquaculture - Mussels (Class 5)		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Silloth - Silloth South	Ongoing									152.8	158.2	156.9	f	ſ	ı	f	f	ſ	ſ	f	f	d	•	f
Aquaculture - Cockles (Class 3)	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Three Rivers - Tywi	Ongoing									189.0	184.8	190.0	f	ſ	r	f	f	ſ	ſ	f	f	d	•	f
Aquaculture - Cockles (Class 3)	DEFRA DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Three Rivers - Taf	Ongoing									189.7	186.0	190.5	f	ſ	ı	f	f	ſ	ſ	f	f	d	•	f
Aquaculture - Cockles (Class 3)	DEFRA	published in the public domain and confirmed as being 'accurate' by DEFRA.	Three Rivers - Gwendraeth	Ongoing									191.0	186.8	192.0	ſ	ſ	ı	f	r	ſ	ſ	ſ	f	d		r
Aquaculture - Cockles (Class 5) Aquaculture - Mussels (Class		High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	Burry Inlet - Northside: West	Ongoing									195.7	189.9	197.2	ı	ı	ı	f	r	ſ	ſ	f	f	d	0	ſ
Aquaculture - Mussels (Class 2) Aquaculture - Cockles	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Burry Inlet - Pwll Burry Inlet - South Mid	Ongoing									195.7	189.9	197.2	ı	ſ	ı	f	ſ	ſ	ſ	f	f	d	•	ſ
Aquaculture - Cockles (Class 3) Aquaculture - Cockles	DEFRA	High - Ihird party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Burry Inlet - South Mid Burry Inlet - Whitefold Point										197.5			ſ	f	ı	f	f	f	f	f	f	d		f
Aquaculture - Cockles (Class 2) Aquaculture - Mussels (Class		published in the public domain and confirmed as being 'accurate' by DEFRA.	Burry Inlet - Whitefold Point Burry Inlet - Whitefold Point	Ongoing									197.5	191.9	199.0	f	f	ſ	ſ	f	f	ı	f	f	d		f
Aquaculture - Mussels (Class 2) Aquaculture - Cockles	DEFRA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Burry Inlet - Whitefold Point Burry Inlet - Dalton's Point	Ongoing									197.6	191.9	199.0	f	f	r	ſ	f	f	f	f	f	d		f
Aquaculture - Cockles (Class 3) Aquaculture - Cockles	DEFRA	High - Ihird party details published in the public domain and confirmed as being 'accurate' by DEFRA. High - Third party details	Burry Inlet - Dalton's Point Burry Inlet - Southside: South East 4	Ongoing									197.6	193.4	201.3	ſ	f	ı	f	f	f	f	f	f	d		f
Aquaculture - Cockles (Class 3) Aquaculture - Mussels (Class		published in the public domain and confirmed as being 'accurate' by DEFRA.	Burry Inlet - Southside: South East 4 Swansea - Queens Dock										200.9			ı	ſ	ı	f	ſ	ſ	ſ	f	f	d	•	ſ
5)	DENA	High - Third party details published in the public domain and confirmed as being 'accurate' by DEFRA.	swaines - Queens Dock	Ongoing									200.9	192.9	203.3	t	ſ	ı	ſ	ſ	t	f	f	f	d		f
Republic of Ireland Fishing Rights	Industry information; DAERA	High - Third party details published in the public domain and confirmed as being 'accurate' by DAERA.		Ongoing									N/A	N/A	N/A	f	f	f	ſ	ſ	f	f	f	f	d		f

Offshore Cumulative Effects Assessment Matrix - Offshore Renewable Energy

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Offshore	Wind Farm				Construc	tion Period (r	ed outline de	enotes Aw	el y Môr offsho	re constru	ction perio	d)	l														
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	el y Môr offsho 92	2028	2029	2030 - 2050	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and niertidal Ecology	Fish and Shellfish Ecology	darine Mammals	Offshore Omithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Gwynt y Môr	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									0.0	0.0	11.1	d	ь	-	ь	d	ь	d	d	b	ь	b	d
Rhyl Flats	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									5.1	0.0	13.0	d	ь	Ь	ь	d	b	d	d	ь	ь	b	d
North Hoyle	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									11.3	5.9	25.2	d	ь	ь	Ь	ь	ь	d	d	ь	ь	b	d
North Wales Tidal Energy Project	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Early concept									12.9	6.8	21.4	d	с	d	с	d	c	c	c	d	d	d	ь
Colwyn Bay Tidal Lagoon	Ocean Energy Installations	Low - Limited data available in the public domain.	Tidal Energy	Early concept									13.0	10.6	20.0	e	e	e	e	e	c	c	c	e	d	e	e
Burbo Bank Extension	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									15.6	16.9	32.3	ı	b	ľ	Ь	r	b	,	,	Ь	b	ь	r
Burbo Bank	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									25.6	23.0	42.3	f	r	ſ	ь	r	ь	r	r	ь	Ь	Ь	f
Cobra & Flotation Energy - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning									28.9	34.3	35.4	c	e	e	c	e	c	c	c	c	e	e	c
Port of Mostyn Tidal Lagoon		High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Tidal Energy	Pre-planning									30.0	12.3	43.8	Ь	r	r	ь	ſ	ь	ь	r	r	d	Ь	f
Mersey Tidal Power	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Pre-planning									44.6	32.0	61.5	ſ	r	r	r	r	Ь	ь	ь	r	d	ь	ŕ
EnBW and BP 1 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning									47.2	54.6	49.1	c	e	e	c	c	c	c	c	c	e	e	c
EnBW and BP 2 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning									47.2	54.6	49.1	c	e	e	c	c	c	c	c	c	e	e	c
West of Duddon Sands	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Form	Operational									51.2	57.1	58.1	f	r	ſ	f	ſ	ь	r	r	ь	,	r	r
Walney Extension 4	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									57.1	62.6	62.3	f	r	ſ	f	ſ	r	r	r	ь	ſ	r	f
Barrow	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									57.6	64.1	67.3	ſ	ı	r	r	r	b	r	ı	b	r	,	r
Walney 1	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									58.3	63.9	64.1	ſ	ı	r	r	r	ь	ŗ	ı	b	,	ı	r
Mortais Demonstrator	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Consented									60.2	66.9	59.3	r	r	r	r	r	c	c	c	r	ď	r	r
Morlais Tidal Energy	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Pre-planning application									60.2	66.9	59.3	ė	e	ė	e	e	e	e	ė	e	e	e	e
Walney 2	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational									61.0	66.4	65.2	ſ	,	ſ	r	r	ь	í _	r	Ь	,	,	r
Holyhead Deep	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Scoping report submitted									63.6	70.5	62.7	r	,	ľ	,	,	c	c	c	,	d	r	r

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Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2025	2026	2028	2030	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Holyhead Deep - 0.5MW Demonstrator Site (Minesto)	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array	Operational								64.4	71.2	63.5	r	r	,	r	ſ	ь	r	r	r	d	,	,
Ormonde	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								65.4	71.3	72.3	r	r	r	r	r	ь	r	r	ь	,	r	r
Walney Extension 3	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								66.1	71.3	68.0	f	r	r	r	ſ	ь	r	r	ь	,	ı	r
Morecambe Bay Tidal Lagoon	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Concept								73.0	80.0	84.8	t	ı	r	r	r	c	c	c	ı	r	ı	r
Isle of Man	4Coffshore	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								74.9	82.3	76.7	r	,	,	,	r	c	c	c	ı	,	,	,
Duddon Estuary Tidal Lagoon	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Concept								80.5	86.8	88.4	r	r	r	ı	r	c	c	c	r	r	r	,
Bardsey Sound	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Pre-Planning								95.5	99.3	95.1	ſ	r	r	r	f	c	c	c	r	r	ı	ſ
Bardsey Sound (Enlli)	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Pre-planning application								96.3	100.0	95.9	r	r	r	ı	r	c	c	c	r	r	r	t
Codling Wind Park	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								129.5	136.1	128.6	r	,	,	,	r	c	c	c	,	,	,	ſ
North Irish Sea Array	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Pre-planning application								130.9	139.0	130.1	r	,	,	,	r	c	c	c	ı	,	,	,
Braymore Point	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Concept								130.9	139.9	130.6	ı	,	,	r	r	c	c	c	r	ı	,	r
Codling Wind Park Extension		details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								130.9	137.3	130.0	ſ	ı	ŗ	r	r	c	c	c	r	ı	ı	r
West Cumbrian Tidal Lagoon	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		In planning								133.5	138.6	135.3	f	r	r	r	r	r	c	c	r	r	r	r
Cooley Point	4Coffshore	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Concept								136.2	145.4	136.0	r	r	r	r	r	c	c	c	r	r	ı	r
Dublin Array	Ireland's Marine Atlas	details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	In-planning								136.6	143.9	135.7	ı	ı	r	r	c	c	c	c	r	r	r	r
Robin Rigg West		details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Operational								138.5	143.4	140.7	t	ı	r	r	f	ь	r	r	ı	r	ı	r
Cloger Head	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Concept								141.2	150.4	141.0	ſ	ı	r	r	r	c	c	c	r	,	,	ľ
Robin Rigg East	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Operational								139.5	144.5	142.1	t	ı	r	ſ	f	ь	r	r	ı	r	ı	r
Mull of Galloway	UKMED; EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array	In development								141.3	151.8	140.8	ı	r	r	f	r	c	c	c	r	r	r	ſ

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Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2027	2028	2030 - 2050	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and niertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
South Irish Sea Array	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								146.7	152.1	146.0	f	ı	,	r	r	c	c	с	r	r		f
Strangford Lough Array	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array	Pre-Planning								145.6	158.1	144.9	f	r	r	ı	r	c	c	c	r	r	ı	r
DeepGreen 1/10	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		In Planning								146.0	158.4	145.3	r	,	,	r	,	c	c	c	ı	ı	'	r
Seagen Strangford Lough	The Crown Estate; UKMED EMEC Orkney; Ocean Energy Installations	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy	Completed								146.0	158.4	145.3	ſ	r	r	f	r	r	r	ı	r	r	ſ	ſ
Arklow Bank Phase 2	Ireland's Marine Atlas; Developer	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Consented								147.1	154.5	146.1	r	r	r	r	r	c	c	c	,	ı	,	r
Arklow Bank	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational								147.1	154.5	146.1	f	r	r	r	r	ь	r	r	r	r	ŗ	ı
Strangford Lough	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Operational								148.0	160.4	147.3	ı	r	,	r	r	,	r	ı	r	,	t	r
Strangford Lough	The Crown Estate; EMEC Orkney;	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy	Completed								148.2	160.6	147.4	t	r	r	ſ	r	r	r	ı	r	,	ſ	r
Evopod E1 Demonstration	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed								148.4	160.8	147.7	f	r	r	r	r	r	r	r	r	r	ſ	ı
Oriel	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								148.5	160.6	147.6	r	r	r	r	r	c	c	c	r	r	ŗ	t
Kilmichael Point	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								149.4	156.1	148.5	r	ı	r	r	r	c	c	c	,	,	,	ſ
Solway Firth-Venturi Enhanced Turbine Technology (VETT)	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		In planning								165.3	171.0	169.4	f	r	r	r	r	c	c	c	r	r	r	f
Strumble Head Tidal Energy Project		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Early planning								175.9	177.2	175.7	r	r	r	r	r	c	c	c	r	r	ŗ	t
St. David's Head	UKMED	details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array									197.5	199.7	197.3	f	r	r	ı	r	c	c	r	r	r	r	r
Ramsey Sound	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Operational								200.2	202.3	200.0	t	r	r	f	r	ь	r	ı	r	r	f	f
Swansea Bay Tidal Lagoon	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Consented (expired)								202.1	194.2	205.1	ſ	r	r	r	r	c	r	r	r	r	ſ	t
Teesside	The Crown Estate	details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								207.7	211.2	223.0	ı	ı	,	r	ı	r	ı	1	ſ		,	f
Wave Dragon Project - Milla Fjord Site		details published in the public domain but not confirmed as being 'accurate'	Wave Energy	In planning								218.3	219.6	218.2	ı	ı	r	r	ı	c	f	ı	r	r		f
Proteus 1:10 Scale Prototype		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed								218.8	211.7	237.6	ı	ı	r	r	r	r	r	ı	ı	ı	ı	r
Newport Tidal Lagoon	Ocean Energy Systems	details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Early concept								219.6	205.1	225.6	r	ı	,	r	r	c	r	r	r	ı	1	r
Cardiff Bay Tidal Lagoon	EMEC Orkney: Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Early planning								223.3	210.0	228.6	r	r	r	r	r	c	r	r	r	,	ı	r

					Construc	tion Period (re	d outline den	ites Awel y	Mör offshore	construction	period)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	5023 cost	2025	2026	2028	2030 - 2050	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and ediment Quality	Benthic and stertidal Ecology	Fish and Shellfish Ecology	farine Mammals	Offshore Omithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Mortais Orbital O2	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	In development								226.0	225.1	225.9	ſ	ı	,	,	,	c	ı	r	,	r	1	r
Severn Barrage	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	In planning								228.1	219.5	231.3	r	r	,	r	r	ı	r	r	r	r	r	r
Blyth	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								228.8	235.8	240.8	r	r	r	ı	b	r	r	r	ı	,	,	r
Pulse Stream 100 Demonstration Project	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Completed								229.0	220.8	247.6	f	r	,	r	r	r	r	r	r	r	r	r
Blyth Demo Phase 1	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								230.7	237.8	243.2	t	r	r	r	f	r	r	r	r	r	r	r
South Pembrokeshire Demonstration Zone	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Wave Energy	Pre-planning Application								236.5	235.7	236.4	t	r	r	r	ſ	c	r	r	r	r	ı	r
Torr Head	The Crown Estate; UKMED EMEC Orkney; Ocean Energy Installations	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy	Consented								236.6	248.5	236.1	t	r	r	r	ſ	c	r	r	ı	r	ı	r
Torr Head	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Consented/ on hold								236.9	248.8	236.3	ſ	r	r	ı	r	c	r	r	,	r	ı	f
Blyth Demonstration Site	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Consented								237.0	244.1	249.7	f	r	r	r	r	r	r	r	r	r	r	f
Mull of Kintyre (Phase 2)	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array	In development								238.8	250.2	238.3	f	r	,	r	ı	c	r	r	r	r	r	r
Mull of Kintyre (Phase 1)	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Prototype	Consented								238.8	250.2	238.3	ſ	r	,	,	r	c	r	r	r	r	,	r
Fair Head	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Pre-Planning								241.0	252.9	240.5	ı	r	,	ı	r	c	r	r	,	r	,	r
Fair Head Phase 1	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array	Application submitted								241.3	253.2	240.7	r	r	,	,	,	с	ı	,	,	,	,	r
Fair Head Phase 2	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Application submitted								241.3	253.2	240.7	r	r	ı	r	r	c	r	r	r	r	r	f
Bridgwater Bay Tidal Lagoon	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Concept								244.6	231.8	249.7	r	r	ı	r	r	c	r	r	r	r	r	f
Bridgewater Bay Tidal Lagoon	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Concept								244.6	231.8	249.7	f	r	,	r	r	r	r	f	f	r	r	f
Erebus	4Coffshore	details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Application submitted								246.3	248.1	246.1	f	r	,	r	r	c	r	f	f	r	r	f
West Somerset Tidal Lagoon		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		In development								246.5	234.9	250.9	r	ı	,	r	1	c	1	ſ	,	,	1	r
Westermost Rough	The Crown Estate	details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								247.0		265.8	ſ	r		f	f	r	r	ſ	f	1	ſ	r
Helvick Head	4Coffshore	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								252.8	258.4	252.1	f	r	,	r	r	r	r	r	r	r	r	r

					Construc	ion Period (r	ed outline den	notes Awel	y Môr offshore	e construction	on period)								15.5	La	1	I =	7.5	1		7.0	1
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2030	₽ A	stance from the wel y Môr OWF ray area (km)	Distance from the Awel y Mör Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and iediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	darine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Humber Gateway	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								25	6.3	248.1	275.0	r	ı	,	r	r	r	r	r	r	r	1	ſ
Valorous (Blue Gem Floating Project)	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Scoping report submitted								25	7.7	259.6	257.5	r	r	r	r	r	c	r	r	r	,	r	r
Celtic Sea	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								26	6.5	271.8	265.8	r	,	r	ı	,	c	,	ı	,	,	r	ı
Inner Dowsing	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								27	0.8	259.2	288.7	r	r	r	r	f	r	r	r	r	r	r	ſ
Lynn	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								27	1.8	259.7	289.6	f	r	,	r	r	r	r	r	r	,	r	ſ
Lines	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								27	2.0	260.4	289.9	ſ	r	,	ı	ſ	ı	r	r	r	r	ſ	ſ
Triton Knoll	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Under Construction								28	5.4	275.8	303.9	r	r	,	r	r	r	r	r	r	r	r	r
Race Bank	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								29	11.8	281.1	310.0	r	r	r	r	f	r	r	r	r	,	r	ſ
Inis Ealga Marine Energy Park	Ireland's Marine Atlas	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								29	4.8	300.6	294.1	r	r	r	r	r	c	r	r	r	,	r	r
Sound of Islay Tidal Energy Project	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Demostrator Array	Consented								29	7.8	308.6	297.4	r	ı	r	r	r	r	r	ı	,	,	r	r
West Islay Tidal Energy Park	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Consented								29	8.6	310.5	298.1	r	ı	r	r	r	r	r	ı	,	,	r	r
Methil Demonstration Project - 2B Energy	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Planned								29	9.0	304.6	302.2	r	r	ſ	r	r	r	r	r	r	r	f	f
Methil (Samsung) Demo	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational								30	0.8	306.4	304.1	r	r	ſ	r	r	r	r	r	r	r	f	f
Green Investment Group - Total - Round 4	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Concept/early planning								30	5.7	296.4	324.2	r	r	,	r	r	r	r	r	r	,	r	r
Hornsea Project Four	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Application submitted								30	8.2	303.7	326.6	r	r	,	ı	c	,	ı	r	r	,	r	,
Sheringham Shoal	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate		Operational								31	1.1	299.5	329.1	f	r	,	r	r	r	r	r	r	,	r	ſ
Sheringham Shoal Extension	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Pre-application								31	4.2	302.6	332.2	r	ſ	ſ	r	f	r	ſ	r	r	r	ſ	ſ
Neart na Gaoithe	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Under Construction								31	4.8	321.0	320.7	ſ	ſ	,	r	r	r	ſ	ı	r	,	1	ſ
Seagreen Delta	Crown Estate Scotland	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Planned								31	5.9	322.4	323.7	,	r	r	r	ı	r	r	,	,	,	,	r
Dudgeon Extension	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Pre-application								31	8.1	307.6	336.3	ı	r	ı	r	ſ	ı	ı	ſ	r	r	r	r

									el y Môr offsh			od)									1.0	I = #	7.5	1			
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2025	2026	2028	2029	2030 - 2050	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mör Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civi Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Thames at Chiswick	Open Energy Information	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Completed									319.2	299.5	330.0	ı	r	,	r	r	r	r	r	r	r	,	r
Seagreen Charlie	Crown Estate Scotland	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Planned									319.7	326.4	328.7	ı	,	,	,	ı	r	r	,	,	,	,	,
Dudgeon	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									328.6	317.9	346.8	f	r	r	r	r	r	r	r	ı	,	ı	r
Gkinetics OC1 project	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Pilot Device	Completed									330.8	339.4	329.8	r	r	ı	r	r	r	r	ı	r	r	r	r
Hornsea Project Two	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Under Construction									336.6	329.2	355.4	f	r	r	r	r	r	r	r	r	r	r	,
Portland Bill	The Crown Estate; UKRED Marine	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy - Demostrator Array	In Development									337.7	323.2	343.5	f	r	r	r	r	r	r	r	r	r	ı	,
Inch Cape	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Authorised									338.0	344.2	343.7	r	r	,	,	r	r	r	r	r	r	r	,
Emerald	4Coffshore; Developer	details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept									338.9	344.6	338.1	ı	,	,	,	r	r	,	r	,	,	,	,
RWE Renewables 1 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning									339.2	336.8	357.0	r	r	r	r	r	r	r	r	r	r	r	r
Connel PLAT-I Floating Tidal Energy Platform	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Tidal Energy	Completed									343.6	352.1	343.4	t	,	r	r	r	r	r	r	ı	r	ı	r
Mc Cabe Wave Pump	Marendata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed									349.4	358.2	348.4	ſ	,	r	r	r	r	r	ı	r	r	ı	r
Hornsea Project One	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									349.7	342.2	368.5	r	,	r	ı	r	,	r	r	r	,	ı	,
Seagreen Alpha	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Authorised									352.9	359.2	359.3	f	,	r	r	r	,	,	r	r	r	ı	,
Ocean Energy Buoy (CORES Project)	5 Marendata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed									353.6	363.5	352.6	r	,	,	,	r	r	r	r	r	r	,	,
Ocean Energy Buoy (Phase 1)	Marendata	details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed									353.6	363.5	352.6	ı	r	,	r	r	r	r	ı	r	r	r	,
Ocean Energy Buoy (Phase 2)	Marendata	details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed									353.6	363.5	352.6	t	r	ľ	r	r	r	r	r	r	r	ı	ſ
1:5 scale Wave Energy Converter (WEC)	Promoter	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Completed									353.6		352.6	r	ľ	,	f	r	r	f	f	r	r	r	ı
Seagreen Bravo		details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Authorised									354.0		360.5	ı	ı	1	ſ	ſ	ı	ı	r	ı	ı	ı	ľ
Perpetuus Tidal Energy Centre (PTEC)	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Tidal Energy Lease Area	Consented									361.5	343.5	368.9	ţ	ı	,	ſ	ſ	r	r	ſ	ı	ľ	ı	ľ
RWE Renewables 2 - Round 4	The Crown Estate	Low - Limited data available in the public domain.	Offshore Wind Farm	Concept/early planning									364.6	361.2	382.8	r	ı	,	r	r	r	ı	r	ı	ı	r	r
Dogger Bank B	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented									365.6	364.4	383.0	ı	,		ſ	ſ	f	f	ſ	ı	r	ı	ſ

		-			Construc	tion Period (re	ed outline de	notes Awe	l y Môr offsho	re constru	ction period	d)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2029		Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and iediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
WaveHub Gwave	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy	Consented									367.2	364.7	367.2	ľ	,	r	r	r	r	r	ı	ı	r	1	,
WaveHub CETO 6 Phase 1	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Demonstrator Array	Consented									367.2	364.7	367.2	r	r	,	r	r	r	r	r	ı	r	,	r
Wavehub Fortum	UKMED	details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Demonstrator Array	In development									367.2	364.7	367.2	r	,	,	r	r	r	r	ı	,	r	r	,
WaveHub Seatricity Phase 1	The Crown Estate; UKMEE EMEC Orkney	 High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland 	Wave Energy - Sea Testing	Operational									367.2	364.7	367.2	r	r	,	r	f	r	r	r	r	r	r	,
WaveHub Seatricity Phase 2	The Crown Estate; UKMEE EMEC Orkney	D: High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scolland	Wave Energy - Demonstrator Array	Installed (no grid connection)									367.2	364.7	367.2	r	r	,	,	r	,	r	r	,	,	ı	,
Dogger Bank A	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented									369.9	367.8	387.6	r	r	r	r	r	r	r	r	r	r	r	r
Scroby Sands	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									372.3	358.4	389.4	ı	,	r	ı	Ь	,	ı	ı	,	,	,	,
Rampion 2	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Pre-planning App	olication								375.5	356.2	383.6	ı	r	r	r	f	r	r	ı	r	r	,	,
FaBTest Polygen	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Operational									378.3	373.6	379.3	r	r	r	r	r	r	r	r	ı	r	r	r
Gunfleet Sands	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									379.1	361.3	393.2	r	r	r	r	f	,	r	r	r	,	r	,
Gunfleet Sands Demo	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									380.2	362.3	394.2	r	r	r	r	r	r	r	r	r	r	ı	r
Gunfleet Sands II	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									381.0	363.2	395.1	r	r	r	r	r	,	r	r	r	ı	ı	r
Rampion	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									382.1	362.5	390.8	ſ	r	r	r	r	r	r	r	r	r	ı	r
Wave Net Array	UKMED2	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy	Completed									382.2	391.5	381.8	ſ	r	r	r	f	r	r	ſ	r	r	ı	r
Hornsea Project Three	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	In Planning									387.1	380.3	405.9	r	r	,	r	c	r	r	r	r	,	r	,
Kentish Flats Extension	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									387.5	368.9	400.5	ſ	r	ſ	r	ſ	r	ſ	ſ	r	r	ı	r
Kentish Flats	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									388.5	370.0	401.6	r	,	r	,	r	,	ı	r	,	,	,	,
Pendeen Array (Oceanus 2)	UKMED	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	In development									389.9	387.8	389.9	r	,	r	,	r	,	ı	r	,	,	,	,
London Array	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational									397.6	379.8	411.6	ſ	r	ı	ı	ſ	r	,	r	r	,	,	,

Project	Data Source(s)	Data Confidence	Notes	Status of	Construc	tion Period (re	ed outline de 집 중	notes Awel	y Môr offshor	e construction	on period)	S Di	istance from the	Distance from the	Distance to the	ses	nd lity	nd 93	gy 9y	als	gy	ial	pu	is s	e lar	e6	nd ies
		Assessment		Development	50	8 8	20 20	20	20 20	20 20	2 2	2030 - 20 ar	wel y Môr OWF πay area (km)	Awel y Môr Offshore Export Cable Route (km)	AyM Other Offshore Infrastructure Zone	Physik Process	Water a Sediment Qual	Benthic a Intertidal Ecolo	Fish and Shellf Ecolo	Marine Mamm	Offsho	Commerc	Shipping a Navigati	Military and C Aviati	Seascar Landscape a Visu	Archaeology a Cultural Herita	Other Mari Users a Activiti
Wavebob ADM-1	Marendata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed								39	98.3	409.5	397.3	ſ	r	,	r	r	r	r	r	r	r	,	r
Wavebob ADM-2	Marendata	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed								39	98.3	409.5	397.3	r	r	ı	r	r	r	r	r	r	r	r	r
WestWave Demonsatation Project	Ireland's Marine Atlas; Ocean Energy Ireland	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy Test Site	In development								39	99.3	408.4	398.3	r	r	ı	r	r	r	r	r	r	r	r	r
Isle of Muck	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy	Operational								39	99.9	409.3	399.5	r	r	ı	r	r	r	r	r	r	r	r	r
Sofia	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented								40	00.1	399.0	417.4	r	ı	,	r	c	,	,	r	,	,	r	,
North Vanguard West	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented								40	00.2	387.9	417.9	r	r	r	r	c	,	,	r	ı	,	r	,
Kincardine	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Under Construction								40	33.5	409.6	409.3	r	r	r	r	r	,	,	r	ı	,	r	,
Greater Gabbard Extension	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Concept								40	05.4	389.0	420.8	ı	r	,	r	,	,	,	,	r	r	r	r
Greater Gabbard	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								40	77.8	391.4	423.2	r	r	r	r	ı	,	,	r	ı	r	r	,
East Anglia Two	The Crown Estate; Developer	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	In Planning								40	DB.4	393.5	424.9	r	r	r	r	c	,	,	r	r	r	r	r
Galloper	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								41	11.6	395.3	427.1	r	ı	r	r	,	,	,	r	ı	,	r	,
East Anglia One North	The Crown Estate; Developer	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	In Planning								41	13.6	399.1	430.4	r	ı	,	r	c	,	,	r	,	,	r	,
Thanet	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								41	19.2	401.1	432.8	ſ	ı	,	r	ı	,	ı	r	,	ı	r	ſ
Galloper Extension (Five Estuaries)	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Concept								42	20.4	404.3	436.1	r	r	ı	r	r	r	r	r	r	r	r	r
Alderney Race Tidal	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	In planning								42	23.9	409.4	429.6	r	,	,	r	,	,	,	ı	,	r	r	r
EOWDC (Aberdeen)	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland		Operational								42	24.2	430.3	429.2	ſ	,	'	ľ	,	,	,	,	ľ	,	ſ	ſ
Norfolk Boreas	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	In Planning								42	27.5	416.0	445.5	ſ	ı	,	r	c	1	ı	r	ı	,	ſ	ľ
	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Early concept								42	7.7	413.0	433.6	ſ	ı	,	,	,	r	ı	,	,	r	r	r
East Anglia One	The Crown Estate; Developer	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Operational								42	29.1	414.2	445.6		ı	'	,	ı	,	r	,	ı	ľ	ı	ľ

					Construc	tion Period (ed outline	denotes A	Awel y Môr	offshore co	nstruction p	eriod)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2024	2026	2027	2029	2030 - 2050	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and nertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
North Vanguard East	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented									431.6	419.1	449.3	t	,	,	f	c	ı	r	ı	r	r	ı	,
Nephtyd	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Suspended									432.2	417.2	438.1	ı	r	ı	f	r	r	r	r	r	,	r	r
Normandie Hydro	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Consented									432.2	417.2	438.1	r	r	,	r	r	r	r	r	,	,	ı	,
East Anglia Three	The Crown Estate; Developer	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented									434.2	421.3	451.7	r	,	r	r	r	,	r	ı	r	,	r	,
Dogger Bank C	The Crown Estate	High - Third party project details published in the public domain and confirmed as being 'accurate' by The Crown Estate	Offshore Wind Farm	Consented									435.3	433.2	452.9	ı	,	,	ı	c	,	r	,	,	,	ı	ľ
Hywind II Demonstration	Crown Estate Scotland	High - Third party project details published in the public domain and confirmed as being 'accurate' by Crown Estate Scotland	Offshore Wind Farm	Operational									463.6	469.9	469.8	ı	,	r	ı	ı	,	r	1	,	,	r	,
PowerBuoy Mark 3 ocean trials	TETHYS	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed									467.8	473.1	467.8	r	r	r	f	r	r	r	r	r	r	r	r
Mermaid (Seamade)	EMODnet; Developer	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Under Construction									470.8	454.5	486.3	t	r	r	f	r	r	r	r	r	r	r	r
Mermaid	EMODnet; Ocean Energy Installation; Developer	details published in the public domain but not confirmed as being 'accurate'		Consented									473.1	456.7	488.5	ı	,	,	r	,	,	r	,	,	,	ı	,
Northwester 2	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational (May 2020)									473.5	457.1	488.9	r	r	,	r	r	r	r	ı	r	,	ı	,
OWF Borssele IV	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Under Construction									473.8	457.5	489.3	r	r	r	f	r	r	r	r	r	ı	r	ľ
Fecamp	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		In Planning									474.0	454.6	482.4	ſ	r	r	f	r	r	r	r	r	r	r	t
Belwind Phase 2 (Nobelwind) (Zone 1)	EMODnet	details published in the public domain but not confirmed as being 'accurate'		Operational									477.2	460.8	492.6	t	r	,	f	r	r	r	ı	r	r	ı	ſ
Belwind Phase 1	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									478.1	461.8	493.6	ſ	r	r	f	r	r	r	r	r	r	r	t
Belwind Phase 2 (Nobelwind) (Zone 2)	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									480.7	464.3	496.2	ı	r	ı	ſ	r	r	r	r	r	,	r	r
Seastar (Seamade)	EMODnet; Developer	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Under Construction									483.1	466.5	498.3	ı	r	ı	ſ	r	r	r	r	r	,	r	r
Courseulles-sur-mer	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		In Planning									484.1	466.4	491.4	r	r	r	f	r	r	r	ı	r	r	r	ı
OWF Borssele III	EMODnet	details published in the public domain but not confirmed as being 'accurate'		Under Construction									484.5	468.2	500.0	ı	,	,	f	ſ	ſ	f	1	,	,	r	ľ
Northwind	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									486.5	469.9	501.7	ı	,	,	f	ſ	ſ	f	1	,	,	r	ľ
OWF Borssele I	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Under Construction									486.5	470.4	502.1	ı	,	,	r	r	r	r	1	r	,	,	ľ
Rentel	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational									488.8	472.2	504.0	,	,	, _	r	r	r	,	1	,	,	,	,

					Constru	tion Period (red outline	denote	s Awel y Môr	offshore	constru	ction period)																
roject	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2024	2025	2027	2028	2029	2030 - 2050	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
eppe - Le Treport	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	In Planning										490.4	470.4	500.2	r	r	r	r	r	r	ı	r	r	r	r	r
-Power (Zone A)	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										490.9	474.2	506.1	r	r	r	ı	r	r	ı	r	r	r	r	r
OWF Borssele II	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Under Construction										493.2	477.1	508.8	r	r	r	ı	r	r	ı	r	r	r	r	r
C-Power (Zone B)	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational										494.4	477.8	509.7	r	,	r	,	,	,	,	,	r	ı	r	r
Norther	EMODnet: Developer	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	Operational (May 2020)										496.0	479.2	511.1	r	,	r	,	,	,	,	,	r	ı	r	r
saint-Brieuc	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Offshore Wind Farm	In Planning										504.8	492.0	509.6	ſ	r	r	r	r	r	r	r	r	r	r	r
Paimpol Brehat Tidal Farm	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy	Completed										509.1	497.3	513.4	ſ	r	r	r	r	r	r	r	r	r	r	r
Paimpol Brehat (test 1)	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed										509.1	497.3	513.4	r	,	r	,	,	,	,	,	r	ı	r	r
Paimpol Brehat (test 2)	Ocean Energy Installations	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy - Sea Testing	Completed										509.1	497.3	513.4	r	r	r	r	,	,	,	r	r	r	,	r
OceanQuest	EMODnet	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tidal Energy Prototype - Sea Testing	Completed										509.1	497.3	513.4	r	,	, _	, _	, _	,	, _	, _	,	, _	,	,
an Sea	Press Release	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Wave Energy - Sea Testing	Completed										509.6	492.2	524.1	f	r	r	r	r	r	r	r	r	r	r	r

AWEL Y MC	ÔR Wind Farm							nt Matrix - Oi					_													RI	WE
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construc 07 07	ion Period	2023	es Awel y Mo	or offshore	2028	505 S	2030 - 2050	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Omithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
United Kingdom Liverpool Bay Buoy 2: KFB 0B/2005	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									2.8	2.7	16.1	g	g	g	g	g	g	g	g	g		g	g
Liverpool Bay Buoy 2: KFB 16/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									2.8	2.7	16.1	g	9	g	g	g	9	9	g	g	d	g	g
Liverpool Bay Buoy 2: KFB 06/2007	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									2.8	2.7	16.1	g	g	g	g	g	g	g	9	g	d	g	g
Liverpool Bay Buoy 2: KFB 07/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									2.8	2.7	16.1	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Waverider Buoy B: KFB 07/2010	Oil and Gas Authority	details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									2.8	2.7	16.1	g	g	g	g	g	g	g	g	g	d	g	g
Gwynt y Môr Waverider Buoy: KFB 05/2006	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	N Power	Removed									2.9	8.4	21.1	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Waverider Buoy: KFB 24/2004	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									2.9	8.4	21.1	g	g	g	g	g	g	g	g	g	d	g	g
Douglas DA	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni Accomodation Jackup	Operational									5.6	12.4	21.9	d	d	b	d	d	d	d	d	d	d	ь	d
Douglas DP	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni Production Steel	Operational									5.6	12.5	22.0	đ	d	b	d	d	d	d	d	d	d	ь	d
Douglas DW	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni Wellhead Stell	Active									5.6	12.5	22.1	d	d	b	d	d	d	d	d	d	d	ь	d
Rhyl Flats Waverider Buoy: KFB 05/2006	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	N Power	Removed									9.2	0.0	20.4	g	g	g	g	g	g	g	g	g	d	g	g
22/2008	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									11.9	17.9	30.3	g	g	g	g	g	g	g	g	g	d	g	g
Hamilton A	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	:	Operational									13.3	20.3	30.7	f	f	r	r	f	r	r	r	r	d	ь	,
Conwy Platform NPAI	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	:	Operational									15.1	20.0	21.5	f	f	r	r	f	r	r	r	r	d	ь	,
Buoy 1: KFB 16/2002	Oil and Gas Authority	details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									17.1	21.2	35.9	g	g	g	g	g	g	g	g	g	d	g	g
11/2004	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									17.1	21.2	35.9	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Buoy 1: KFB 08/2005		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									17.1	21.2	35.9	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Buoy 1: KFB 06/2007	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									17.1	21.2	35.9	9	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Buoy 1: KFB 16/2009		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									17.1	21.2	35.9	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Buoy 1: KFB 07/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									17.1	21.2	35.9	g	9	g	g	g	9	9	g	g	d	g	g
Liverpool Bay Waverider Buoy A: KFB 07/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									17.1	21.2	35.9	g	g	g	g	g	g	g	g	g	d	g	g

						Period (red	d outline den	otes Awel	l y Môr offsho	re constr	uction per	iod)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2029	2030	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and niertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Liverpool Bay Buoy: KFB 07/2012	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Cefas	Active									17.5	21.6	36.3	r	ı	r	r	r	r	r	r	r	d	ь	r
Liverpool Bay Smart Buoy: KFB20/2012 AREA5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Cefas	Active									17.9	21.9	36.7	r	r	r	r	r	r	r	r	r	d	ь	r
Liverpool Bay: KFB 09/2003	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									17.9	21.9	36.7	g	g	9	9	g	9	9	9	9	d	9	g
Hamilton North	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni (Gas)	Operational									19.4	26.3	33.0	f	r	r	r	r	r	r	r	r	d	ь	r
OSI (Offshore Storage Inst.) FPSO	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni Storage Unit Attached to Calram Buoy	Active									21.8	28.0	31.9	f	r	r	r	r	r	r	ı	r	4	ь	,
Point of Ayr Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	:	Active									23.7	7.7	38.0	d	ь	d	d	d	d	d	d	d	d	ь	d
Liverpool Bay Buoy 3: KFB 16/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									27.5	15.1	43.7	g	g	g	g	g	g	g	g	9	d	g	g
Liverpool Bay Buoy 3: KFB 06/2007	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Buoy3: KFB 07/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Waverider Buoy D: KFB 07/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									27.5	15.1	43.7	g	g	g	g	g	g	g	g	g	d	g	g
Lennox	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni : Wellhead Stell	Active									32.7	37.2	50.5	ſ	r	r	r	r	r	r	r	r	d	ь	r
Calder CA1 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational									35.3	40.3	38.9	ſ	r	r	r	r	r	r	,	r	4	ь	,
Calder Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational									35.3	40.3	38.9	r	r	r	,	r	r	r	,	r	d	ь	,
South Morecambe DP3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	:	Decommission									36.3	42.0	42.8	g	g	g	g	g	g	g	g	g	d	g	g
South Morecambe AP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									39.5	45.0	45.0	r	r	r	r	ı	r	r	r	r	d	ь	r
Accomodation Platform AP	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									39.5	45.0	45.0	f	r	r	r	r	r	r	r	r	d	ь	r
South Morecambe CPP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									39.6	45.0	45.0	f	r	r	r	r	r	r	r	r	d	ь	r
Central Production Platform CPP1		details published in the public domain but not confirmed as being 'accurate'		Operational									39.6	45.0	45.0	r	r	r	r	ı	r	r	r	r	d	ь	ı
South Morecambe DP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational									39.6	45.1	45.1	ſ	,	,	r	ı	,	r	'	,	d	ь	,
Drilling Platform DP1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational									39.6	45.1	45.1	r	,	,	r	r	,	r	,	,	d	ь	,
South Morecambe FL1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational									39.7	45.1	45.1	ſ	,	,	r	ı	,	r	'	,	d	ь	,
Flare Tripod	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational									39.7	45.1	45.1	r	r	r	r	ı	r	ſ	,	r	d	b	ſ

						Period (re	d outline der	notes Awe	el y Mör offst	nore cons	truction p	eriod)																
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2029	2030	2030 - 2050	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshor Infrastructure Zone	Physical Processes	Water and ediment Quality	Benthic and Nertidal Ecology	ish and Shellfish Ecology	Aarine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Gateway Gas Storage Project	The Crown Estate	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Gateway Storage Project Limited	In Planning										40.5	46.9	49.6	g	g	g	g	g	g	g	c	g	d	c	g
DP6 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chysaor	Operational										41.6	46.8	45.8	r	r	r	r	r	r	r	r	r	d	ь	r
South Morecambe DP6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational										41.6	46.8	45.8	r	r	r	r	r	r	r	r	r	d	ь	r
DP4 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational										42.9	48.5	48.5	r	r	r	r	r	r	r	,	,	d	b	,
South Morecambe DP4	Oil and Gas Authority	details published in the public domain but not confirmed as being 'accurate'		Decommission										42.9	48.5	48.5	g	g	g	g	g	g	g	g	g	d	g	g
DP8 Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational										44.5	49.7	48.4	ſ	r	r	r	t	r	r	r	r	d	b	,
South Morecambe DP8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Operational										44.5	49.7	48.4	ſ	r	r	r	t	r	r	r	r	d	b	r
	Oil and Gas Authority	details published in the public domain but not confirmed as being 'accurate'	Spirit Energy (Gas)	Operational										52.2	57.2	54.6	ſ	r	r	r	t	r	r	r	r	d	ſ	,
North Morecambe Platform		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational										52.2	57.2	54.6	r	r	r	r	r	r	r	,	,	d	r	,
West Duddon Sands Waverider Buoy: KFB 20/2005	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed										57.7	63.7	64.3	r	r	r	r	r	r	r	,	,	d	r	,
Millom West Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Operational										59.9	65.6	60.0	r	r	r	r	r	r	,	,	,	d	r	,
Millom West Remote Drilling and Production Platform	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										59.9	65.6	60.0	ſ	r	r	r	ı	r	r	r	r	d	ſ	,
Lightning Knoll Wavrider Buoy: KFB 21/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed										61.6	68.3	71.6	ſ	r	r	r	ı	r	r	r	r	d	ſ	,
Lightning Knoll 2 Wavrider Buo:KFB 25/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	APA Barrow	Removed										62.5	69.1	72.2	ſ	r	r	r	r	r	r	r	r	d	ſ	ſ
Tide Gauge Buoy: KFB 08/2009	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed										63.0	69.6	72.7	r	r	r	r	r	r	r	r	r	d	ſ	r
Barrow-in-Furness Gas Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										72.6	79.2	82.2	r	r	r	r	r	r	r	r	r	d	ſ	ľ
Glen Mooan Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										98.3	109.4	97.9	r	r	r	r	r	r	r	r	r	d	ſ	r
Oceanographic Buoy: KFB 12/2010		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Cefas	Removed										101.9	107.2	104.8	ſ	r	r	r	ſ	r	r	r	,	d	1	ı
Loughshinny Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										145.4	156.1	144.4	1	r	ı	ſ	r	r	r	,	,	d	ſ	,
	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										155.0	166.1	154.0	1	r	ı	ſ	r	r	r	,	,	d	ſ	,
Corsewall Point Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										185.8	196.4	185.4	1	r	r	ı	r	r	r	,	,	d	ſ	,
Island Magee Terminal	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Operational										194.3	206.3	193.7	r	r	r	r	r	r	r	,	,	d	r	ľ

Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Constru 07 07 07	ction Perio 1700 2002	od (red outl		y Mor off 9202	shore con	struction p 6202	eriod) 00 07 07	2030 - 2050 B W B	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Processes Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Maine Users and Activities
Liverpool Bay Seabed Mooring: KFB 08/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Removed									5.	i.3	10.7	18.1	g	g	g	g	g	g	g	g	g	d	g	g
Liverpool Bay Seabed Mooring 2: KFB 26/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Removed									5.	i.3	10.7	18.1	9	g	g	g	g	g	g	g	g	d	g	g
Douglas 14 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									5.	i.7	12.5	22.0	f	ı	r	r	r	r	r	r	f	d	ſ	ı
Buoy 1: KFB 11/2002	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Celtic Offshore	Removed									8.	1.9	2.8	18.7	g	g	g	g	g	g	g	g	g	d	g	g
Buoy: KFB 12/2002	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Celtic Offshore	Removed									8.	1.9	2.8	18.7	g	g	g	g	g	g	g	g	g	d	g	g
Snagging Hazard - Concrete Mattress - KFB 07/2013 - Area 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Tallwind	Active									10	0.9	16.3	21.0	f	,	r	r	r	r	r	r	f	d	ı	,
Dredge Pipe KFB: 24/2016	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Active									1-	4.0	12.0	31.5	r	,	r	r	r	r	ı	r	r	d	ſ	,
Wave Buoy Anchor and 6M Chain	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									14	6.3	18.6	35.0	r	,	r	r	r	r	ı	r	r	d	ſ	,
Liverpool Bay Seabed Mooring 1: KFB 26/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Removed									1	7.1	21.2	35.9	9	g	g	g	g	g	g	g	g	d	9	g
Hamilton East	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									17	7.5	24.7	34.1	r	r	,	,	r	,	,	r	r	d	r	,
OSI Anchor 4	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	0.5	26.7	30.9	f	r	r	r	r	r	ı	r	r	d	r	,
OSI Anchor 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	0.5	26.7	30.8	f	r	r	r	r	r	ı	r	r	d	r	,
OSI Anchor 6	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	0.5	26.7	30.8	f	r	r	r	r	r	ı	r	r	d	r	,
PLEM AT OSI	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									2	11.7	27.9	31.8	f	ı	r	r	r	r	,	r	r	d	ſ	ı
OSI Anchor 3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									2	2.3	28.6	33.0	r	r	r	r	r	r	,	r	r	d	ſ	,
OSI Anchor 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	2.4	28.7	33.0	r	r	r	r	r	r	ı	r	r	d	r	,
OSI Anchor 7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	2.4	28.4	31.8	r	ı	,	,	r	,	ı	r	r	d	ſ	,
OSI Anchor 1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	2.5	28.8	33.1	ſ	ı	,	,	r	,	,	ı	r	d	ſ	,
OSI Anchor 8	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	2.5	28.5	31.9	ſ	ı	r		ſ	r	ı	r	r	d	ſ	r
OSI Anchor 9	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									21	2.6	28.6	32.0	ſ	ı	r		ſ	r	ı	r	r	d	ſ	r
Mooring with Scientific Equipment Depth 20: KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active									31	17.9	47.7	36.9	r	ı	r	r	ſ	r	ı	r	r	d	ſ	r
Mooring with Scientific Equipment Depth 36: KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active									31	8.7	48.9	37.7	r	ı	r	r	r	r	,	r	r	d	ſ	,

					Construction	Period (re	d outline den	otes Awe	l y Môr offsho	re constr	ruction per	riod)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2029	2030	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Môr Offshore Export Cable Route (km)	Distance to the AyM Other Offshor Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Mooring with Scientific Equipment Depth 33: KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active									39.0	48.8	38.0	r	,	,	r	ı	ı	,	,	,	d	,	,
Lennox 16 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni 2	Active									32.6	37.1	50.3	r	r	r	r	r	,	,	,	,	d	ı	,
Lennox 14 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Eni	Active									32.6	37.1	50.3	r	r	r	r	r	r	r	r	r	d	r	r
Underwater Glider - KFB 4/2011	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	BP .	Removed									32.6	39.6	46.4	9	g	g	9	g	9	g	g	g	d	g	g
Lennox 12 SSBV	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									32.6	37.1	50.4	r	r	ı	r	r	r	r	,	,	d	,	,
Mooring with Scientific Equipment Depth 23: KFB 14/2010	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Proudman	Active									39.7	49.5	38.7	r	r	r	r	r	,	,	,	,	d	r	,
Lost Tether 100M X 30MM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									34.5	40.2	41.1	r	r	r	r	1	r	r	,	,	d	ſ	ſ
Well 110/3-3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Not in Use									38.5	44.0	44.1	g	g	g	g	g	g	g	g	g	d	g	g
Bains Well	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									43.8	49.9	51.7	r	r	r	r	r	,	,	,	,	d	r	,
Bains Wellhead Protection Structure	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active									43.8	49.9	51.7	r	r	r	r	r	r	,	,	,	d	r	,
Dalton Well R2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									45.2	50.1	46.8	r	r	r	r	r	r	r	r	r	d	r	t
Dalton Wellhead Protection Structure - R2		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									45.2	50.1	46.8	f	r	ı	r	r	r	r	r	r	d	r	r
Dropped Ladder 1.5M X 50CM KFB:19/2018	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									46.0	52.8	57.5	f	r	ı	r	r	r	r	1	ı	d	r	r
Dalton Well R1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									46.0	51.0	47.7	,	r	,	,	r	r	,	,	,	d	,	,
Dalton Wellhead Protection Structure - R1		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									46.0	51.0	47.7	r	r	r	r	r	r	,	ľ	ſ	d	r	,
Dalton PLEM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									46.0	51.0	47.7	ŕ	r	r	r	t	r	r	r	r	d	r	ľ
Dalton PLEM Pipe and Manifold	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active									46.0	51.0	47.7	r	r	r	r	r	r	,	r	ſ	d	r	,
Well 110/2A-7	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Not in Use									47.5	52.5	50.3	g	g	g	g	g	g	g	g	g	d	g	g
South Morecambe OBS Well NO 110/2A-7		Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Removed									47.5	52.5	50.3	g	g	g	g	g	g	g	g	g	d	g	g
Well 110/2A-12	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Not in Use									48.3	53.4	51.6	g	g	g	g	g	g	g	g	g	d	g	g
Well NO 110/2A-12	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Not in Use									48.4	53.4	51.6	g	g	g	g	g	g	g	g	g	d	g	g
Millom East PLEM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active									57.9	63.0	58.7	r	r	r	r	r	r	ı	ı	,	d	,	ı

Project	Data Source(s)	Data Confidence	Notes	Status of	Construc	tion Perio	d (red outli		es Awel	y Mor offs 9702 202			eriod) 00 00	50	Distance from the Awel y Mor OWF	Distance from the	Distance to the	es sa	D A	nd 9y	gy	als	gy	lal	p e	≅ 8	a d è	ge	es de
		Assessment		Development	20	20 20	20	20	20	20 20	20	20	20	2030 - 20	Awel y Môr OWF array area (km)	Awel y Môr Offshore Export Cable Route (km)	AyM Other Offshore Infrastructure Zone	Physic Process	Water al ediment Qual	Benthic a nertidal Ecolo	ish and Shellf Ecolo	Aarine Mamm	Offsho	Commero	Shipping a Naviga 6	Military and Cl Aviati	Seascap Landscape a Visu	Archaeology al Cultural Herita	Other Mari Users an Activiti
Millom PLEM	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											57.9	63.0	58.7	ſ	ſ	1	r	,	r	r	r	r	d	1	,
Millom Wellhead Protection Structure - Q1	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											58.0	63.0	58.7	ı	,	ı	,	r	r	,	,	r	4	r	r
Q1 Wellhead (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											58.0	63.0	58.7	r	,	ı	,	r	,	ı	ı	r	d	r	,
Millom Wellhead Protection (Structure - Q2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											58.0	63.1	58.8	r	r	,	,	,	r	,	,	r	d	r	,
O2 Wellhead (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											58.0	63.1	58.8	r	r	,	,	,	r	,	,	r	d	r	,
Millom Wellhead Protection Structure - Q3	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											58.0	63.1	58.8	r	r	,	,	,	r	,	,	r	d	r	,
Q3 Wellhead 0	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Chrysaor	Active											58.0	63.1	58.8	1	ı	1	r	,	r	r	r	f	d	1	,
Whitehaven Wellhead 113/27B-K	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Precommission											63.5	68.4	65.0	g	g	g	g	g	g	g	g	g	d	g	g
Rhyl Subsea Well 2	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											65.0	69.9	66.9	r	r	,	r	r	r	,	,	r	d	r	,
Rhyl Wellhead 113/27B-L (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											65.0	69.9	66.9	ſ	ı	ı	r	r	r	r	r	r	đ	ſ	,
Rhyl Subsea Well (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											65.0	69.9	66.9	ſ	r	ı	r	r	r	r	r	r	d	ſ	,
Rhyl Subsea Well (North)	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											65.0	69.9	66.9	ſ	r	ı	r	r	r	r	r	r	d	ſ	,
Rhyl North Wellhead 113/27B (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Spirit Energy	Active											65.0	69.9	66.9	r	r	ı	r	r	r	r	r	r	d	r	r
Buoy: KFB 13/2010 (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Removed											101.9	107.2	104.8	9	g	g	9	g	9	9	g	g	d	9	g
Seabed Obstruction 2: KFB (15/2004	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active											107.9	120.4	107.1	r	r	,	r	r	r	r	r	r	d	ı	r
18/2012 AREA 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active											206.0	198.1	208.9	r	ı	ı	,	r	r	r	ı	r	4	,	ı
18/2012 AREA 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active											207.6	199.8	210.4	ſ	ſ	,	ı	ı	ı	,	,	r	d	1	ľ
Swansea Bay 1 ADCP: KFB 18/2012 AREA 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	EMU Limited	Active											208.3	200.8	211.0	ſ	ſ	,	ı	ı	ı	,	,	r	d	1	ľ
18/2012 AREA 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active											210.5	202.1	213.6	r	ı	,	,	ſ	,	ı	,	r	d	1	,
Swansea Bay 2 ADCP: KFB 18/2012 AREA 5	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	EMU Limited	Active											211.1	203.5	213.8	r	ſ	,	,	ſ	,	ı	,	r	d	1	,
Isle of Man																													
Isle of Man Tee Piece	Oil and Gas Authority	details published in the public domain but not confirmed as being 'accurate'		Active											110.0	121.4	109.5	ſ	ı	,	r	r	r	r	r	r	d	ı	r
Tee Protection Structure (Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Gas Networks Ireland	Active											110.0	121.4	109.5	r	ſ	ı	r	r	r	r	ı	r	d	r	ı

					Constru	ction Period	red out	line deno	ites Awel	l y Môr o	offshore	constru	ction per	riod)																
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2024	2025	2026	2027	2028	2029	2030	8 1	array area (km)	Awel y Mor	AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landsca pe and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
Seabed Obstruction: KFB 26/2006	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Gas Networks Ireland	Active											1	110.0	121.4	109.5	f	r	r	r	r	r	r	r	r	d	ı	r
Seabed Obstruction 1: KFB 15/2004	Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'		Active											1	116.6	129.1	115.8	f	r	r	r	r	r	r	r	r	d	t	r
Pipeline Spans 2M X16M X 1 Long KFB: 15/2017	2 Oil and Gas Authority	Medium - Third party project details published in the public domain but not confirmed as being 'accurate'	Seafish	Active											1	188.2	198.9	187.7	ſ	r	,	r	ı	r	r	f	r	d	ı	r

AWELY M	ÔR P Wind Faces						nt Matrix - Si			eded)	•													R۱	٧E
Port	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020		tes Awel y M 9 702 202 202		202 2030	2030 -		Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Omithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
United Kingdom Liverpool Bay Terminal	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							6.2	13.3	21.7	d	d	d	d	d	d	d	d	d	d	d	d
Mostyn	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							30.0	12.3	41.9	ſ	ı	,	f	ſ	r	r	r	ſ	d	f	r
Caernarvon	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							42.6	46.0	42.3	f	r	,	r	f	f	,	r	f	d	f	r
Liverpool	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							41.4	31.3	57.2	ı	ı	r	ſ	f	ſ	ı	r	f	d	ſ	r
Holyhead	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							53.4	60.2	52.6	ſ	ı	,	ı	,	r	ı	r	r	ſ	r	r
Garlston	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							49.7	36.6	64.7	ı	ı	r	ſ	f	ſ	ı	r	f	d	ſ	r
Fleetwood	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							61.5	68.6	74.5	ſ	ı	,	r	,	r	ı	ſ	r	d	r	f
Barrow-In-Furness	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							73.9	80.4	82.8	ı	ı	ı	r	r	r	ı	r	r	d	r	f
Heysham	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							75.74	82.79	88.18	f	ı	,	r	r	f	r	f	f	d	r	ſ
Douglas	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							83.8	93.7	85.4	f	ı	r	f	r	ſ	r	r	f	d	f	f
Lanchaster	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							82.7	89.7	95.8	ſ	ı	,	ı	r	r	ı	r	r	d	r	r
Manchester	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							89.2	80.4	105.7	ſ	ı	,	ı	r	r	ı	r	r	d	r	r
Ramsey	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							98.0	106.7	99.8	ı	ı	,	r	r	f	ı	f	r	d	ſ	r
Workington	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							119.7	124.7	122.8	ſ	ı	r	ı	r	ľ	ı	ľ	r	d	r	r
Ardglass	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							144.4	154.9	145.5	ı	ı	,	r	r	f	ı	f	r	d	ſ	r
Kilkeel	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							153.3	163.3	153.7	f	,	,	f	f	f	r	f	f	d	f	r
Silloth	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							153.7	159.2	158.1	f	ı	r	f	f	f	ſ	f	f	d	f	r
Warren Point	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.		Active							171.5	181.5	171.9	ı	ı	r	ſ	ſ	ſ	,	r	r	d	ſ	r

Port	Data Source(s)	Data Confidence Notes	Status of Development	Construction 1	Period (red	outline den	otes Awe	el y Mor offsi	hore cor	nstruction &	period) 윤	Distance from the	Distance from the	Distance to the	es	P A	9.5	93 E	als	gy	ial	8 등	iz e	1 1 5 6	ge 3	e g g e
		Assessment	Development	20	20	200	20	20.	20	20	20	Distance from the Awel y Mor OWF array area (km)	Awel y Môr Offshore Export Cable Route (km)	AyM Other Offshore Infrastructure Zone	Physic Process	Water ar Sediment Quali	Benthic ar ntertida l Ecolog	Fish and Shellfi Ecolog	Marine Mamm	Offsha Omitholog	Commerci	Shipping an Navigatio	Military and Cr Aviatk	Seascap Landscape at Visu	Archaeology ar Cultural Heritaç	Other Marir Users ar Activitis
langor	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									175.2	185.8	176.6	ſ	r	,	,	,	,	,	ı	ľ	d	,	,
tranraer	World Ports Index	High-Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									174.8	184.1	176.4	ſ	r	ı	,	r	r	ı	,	r	d	r	,
ishguard	World Ports Index	High-Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									176.1	177.2	176.0	ſ	r	,	,	ſ	r	ı	,	r	d	f	,
Belfast	World Ports Index	High-Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									183.3	193.9	184.6	f	f	r	,	r	r	ı	ı	r	d	r	,
Kilroot	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									184.2	194.8	185.6	ſ	r	r	,	f	r	r	,	f	d	f	,
Larne	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									197.5	208.0	199.0	f	f	r	r	f	f	ı	ı	r	d	ſ	,
Neath	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									199.0	190.6	201.6	f	f	r	,	f	r	ı	,	r	d	f	,
Swansea	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									201.3	193.6	203.5	ſ	f	r	,	f	r	r	,	f	d	f	,
Port Talibot	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate by the developer.	Active									204.5	195.9	207.1	f	r	r	,	f	r	r	,	r	d	f	,
Milford Haven	World Ports Index	High - Third party project details published in the public domain and confirmed as being *accurate* by the developer.	Active									208.1	207.9	208.0	ſ	r	r	,	f	r	r	,	f	d	f	,
Sharpness	World Ports Index	High - Third party project details published in the public domain and confirmed as being *accurate* by the devetoper.	Active									208.1	191.3	213.7	f	r	r	,	ſ	r	r	,	r	d	f	,
Bird Port	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									213.0	199.1	217.6	ſ	r	r	,	f	r	r	,	f	d	f	,
Newport	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									214.5	200.7	219.0	f	r	,	,	r	r	ı	ı	r	d	r	,
Republic of Ireland Dublin	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									159.4	166.8	158.4	ſ	f	r	1	ſ	f	ı	ı	f	d	ſ	,
Greenore	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									161.7	171.6	162.0	ſ	f	,	,	,	,	,	,	,	d	ſ	,
Drogheda	World Ports Index	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	Active									163.5	172.3	163.1	ſ	ſ	,	,	,	r	,	ſ	,	d	ſ	,

Offshore Cumulative Effects Assessment Matrix - Military, Aviation and Radar

DIA	
KAA	

Offshore V	vito Parm				Construc	tion Period	(red outlin	ne denote	es Awel y Mo	or offshore	construc	ction perio	od)															
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021		2024	2025	2027	2028	2029	2030 - 2050	Distance from the Awel y Môr OWF array area (km)	Awel y Mor	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Omithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
United Kingdom																												
Aberporth firing range	MoD	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	N/A	Operational										73.8	83.2	72.9		a	ā	a	ā	ā	a	a	ā	a	a	ā
Castlemartin firing range	MoD	High - Third party project details published in the public domain and confirmed as being 'accurate' by the developer.	N/A	Operational										215.3	214	214.8	a	a	a	a	a	a	a	ā	a	a	a	8
UK Military Bases	Royal Navy Data	isigh. Third parity project details published in the publi domain and confirmed as being securate by the developer.	The Naval Bases home to the Roy Co Navy's surface fleet and submarine service are HMSB consideration of the Naval State of the	ort										N/A	N/A	N/A	d	d	d	d	4	d	d	d	d	d	d	

Fferm Wynt Allfraeth AWEL Y M Olfshore	ÔR Wind Farm				Offshore Cum									_													RV	NE
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	Construction F 0202 2020	Period (red	2023 2024 2024	enotes Aw 92 02 02	el y Môr 97 07 07	2027	2029	2030	2030 -		Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshor Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Omithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
United Kingdom MTF_INDUSTRIAL 23044	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										10.1	9.6	16.1	r	ı	ь	ſ	ſ	r	r	r	ı	d	r	r
MTF_INDUSTRIAL 23045	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										11.2	10.8	16.6	ı	,		ľ	ı	r	r	r	r		r	,
MTF_INDUSTRIAL 28542	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										12.7	13.0	14.1	ı	,	,	,	,	,	,	,	,	ď	r	r
MTF_INDUSTRIAL 22122	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										13.0	13.5	13.5	ı	,	,	ı	ı	,	ı	r	,	d	r	r
MTF_INDUSTRIAL 23052	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										13.4	12.1	19.6	ı	ı	ı	r	r	r	r	r	r	d	r	r
MTF_INDUSTRIAL 28229	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										14.4	2.3	24.5	ı	b	,	r	r	t	r	r	r	d	r	r
MTF_INDUSTRIAL.23048	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										14.4	11.3	21.4	ı	ı	,	r	r	r	r	r	ı	d	r	l r
MTF_INDUSTRIAL 20695	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										15.5	15.5	18.3	ı	,	,	,	,	r	,	,	,	ď	ı	ſ
MTF_INDUSTRIAL 22189	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										15.5	8.9	23.6	ı	ı	,	r	r	r	r	r	ı	d	r	l r
MTF_INDUSTRIAL 28548	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										17.5	18.4	17.9	ı	,	,	ı	ı	,	ı	r	,	d	r	r
MTF_INDUSTRIAL 98652	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										17.5	5.9	26.5	ı	b	,	r	ı	,	ı	r	,	d	r	ſ
MTF_INDUSTRIAL 28546	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										17.7	18.4	18.4	ı	,	,	ı	ı	,	ı	r	,	d	r	r
MTF_INDUSTRIAL 28225	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										17.8	3.7	27.8	ı	ь	,	r	r	r	r	r	ı	d	r	l r
MTF_INDUSTRIAL 28543	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										18.0	18.6	18.7	ı	ı	,	r	r	t	r	r	r	d	r	r
MTF_INDUSTRIAL 28227	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										18.8	3.0	29.3	ı	ь	,	ſ	ſ	ſ	r	,	,	d	r	ı
MTF_INDUSTRIAL 28541	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										19.0	19.8	19.5	ı	,	,	ſ	r _	r	,	,	,	d	r	r
MTF_INDUSTRIAL 28226	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active										20.7	4.7	34.6	ı	Ь	,	ſ	r	ı	r	r	ı	d	ı	ı

			la.						vel y Môr offsh					D		- s	- >			T 9		- v	T.C	= -		T A	07.0
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2029	20,	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mor Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physica Processes	Water and Sediment Quality	Benthic and ntertidal Ecology	Fish and Shellfish Ecology	Marine Mammal:	Offshore Ornithology	Commercia	Shipping and Navigation	Military and Civi Aviation	Seascape Landscape and Visua	Archaeology and Cultural Heritage	Other Marine Users and Activities
MTF_INDUSTRIAL.28544	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									21.5	25.7	21.2	r	,	,	ı	r	,	r	r	,	d	,	r
MTF_INDUSTRIAL.28881	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									21.5	25.9	21.3	r	r	r	r	r	r	r	r	r	d	f	r
MTF_INDUSTRIAL_28234	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									21.6	26.0	21.3	,	ı	ı	ı	r	,	,	ı	ı	d	ı	,
MTF_INDUSTRIAL 28547	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									21.7	23.9	21.7	,	,	,	ı	r	,	,	,	,	d	,	,
MTF_INDUSTRIAL.28877	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									23.4	27.5	23.1	ſ	r	r	r	r	r	r	r	ı	d	r	r
MTF_INDUSTRIAL.28880	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									24.5	28.5	24.3	f	r	r	r	r	r	r	r	r	d	f	r
MTF_INDUSTRIAL.28883	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									24.6	31.6	23.8	r	r	r	r	r	r	r	r	r	d	f	r
MTF_INDUSTRIAL.28876	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									24.7	28.6	24.4	r	ı	r	ı	r	r	r	r	ı	d	r	f
MTF_INDUSTRIAL.28230	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									26.0	32.9	25.2	f	r	r	r	r	r	r	r	r	d	f	r
MTF_INDUSTRIAL.28233	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									28.2	32.1	27.9	r	r	ı	ı	r	,	r	r	r	d	r	r
MTF_INDUSTRIAL:22500	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									28.9	21.8	46.8	f	r	ı	ı	r	ı	r	r	ı	d	r	r
MTF_INDUSTRIAL.28884	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									29.0	33.2	28.7	r	,	ı	ı	r	,	,	r	,	d	ı	,
MTF_INDUSTRIAL.28879	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									29.2	33.3	28.9	r	,	ı	ı	r	,	r	ı	ı	d	ı	,
MTF_INDUSTRIAL.28878	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									29.4	33.6	29.0	r	,	,	ı	r	,	r	r	,	d	r	r
MTF_INDUSTRIAL.28882	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									29.5	33.6	29.2	ſ	ľ	,	ſ	r	,	,	r	,	d	r	r
MTF_INDUSTRIAL.28224	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									30.7	17.5	46.9	,	ı	,	1	r	,		r	,	6	ı	r
MTF_INDUSTRIAL.28228	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									30.9	17.7	47.1	,	,	,	,	r	,	,	r	,	d	r	r
MTF_INDUSTRIAL.21385	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									30.9	35.0	30.5	1	ı	,	1	r	,	ı	r	,	d	r	ľ

					Construct	tion Period (r	ed outline de	notes Awel	l y Môr offshor	e constructi	ion period))								٧		I = 10	7.6	T= 6	2 Tr =	7.0	0.7-4
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2030	102	Distance from the Awel y Môr OWF array area (km)	Distance from the Awel y Mör Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammal:	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
MTF_INDUSTRIAL:21384	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									31.5	35.8	31.1	r	r	,	ı	,	,	r	r	r	d	,	r
MTF_INDUSTRIAL.21383	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	31.6	35.9	31.2	r	r	r	r	r	,	r	r	r	d	f	r
MTF_INDUSTRIAL.21386	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									33.2	37.6	32.8	r	r	r	r	ı	r	r	ſ	r	d	r	r
MTF_INDUSTRIAL.22498	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									35.9	31.2	54.5	r	r	r	ı	,	,	,	r	r	4	ſ	,
MTF_INDUSTRIAL.22499	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	36.1	31.6	54.7	r	r	r	ı	ı	ı	r	r	r		f	,
MTF_INDUSTRIAL.23222	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	36.2	31.6	54.8	ſ	,	,	ı	,	,	,	ı	,	d	ı	r
MTF_INDUSTRIAL.22496	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	36.3	32.1	55.0	r	r	r	r	ı	r	r	r	r	d	r	r
MTF_INDUSTRIAL.23149	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	36.4	32.8	55.1	r	r	r	r	ı	r	r	r	r	d	r	r
MTF_INDUSTRIAL.23153	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									37.1	30.9	55.5	r	r	r	ı	r	r	r	r	r	d	r	r
MTF_INDUSTRIAL.23148	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	37.4	30.7	55.7	r	r	r	ı	,	,	r	r	r		f	r
MTF_INDUSTRIAL.22497	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	37.5	30.9	55.9	r	r	r	ı	,	,	r	r	r		f	r
MTF_INDUSTRIAL.21366	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									38.2	29.8	56.2	r	r	r	ı	ı	,	r	r	r	d	r	r
MTF_INDUSTRIAL.20701	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	38.2	29.8	56.2	r	r	r	ı	,	,	r	r	r		f	r
MTF_INDUSTRIAL.20818	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	38.5	29.9	56.4	r	r	,	ı	,	,	r	r	r	d	r	r
MTF_INDUSTRIAL.28610	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	39.6	43.9	39.2	r	r	,	ı	r	r	r	r	r		r	,
MTF_INDUSTRIAL.20698	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								3	39.7	29.9	57.4	r	r	,	1	,	,	ı	r	r	d	ı	,
MTF_INDUSTRIAL.20706	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active									39.9	30.0	57.5	ſ	r		ſ	ı	ſ	r	ſ	r	d	r	1
MTF_INDUSTRIAL.20826	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	40.1	30.0	57.7	ſ	,		1	,	r	,	ı	,	d	ı	ſ

					Construc	tion Period (ed outline de		l y Môr offshore	e constructi											1		T. C	1		7.0	
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2022	2023	2025	2026	2028	2030	30 4	Distance from the Awel y Mor OWF array area (km)	Distance from the Awel y Mör Offshore Export Cable Route (km)	Distance to the AyM Other Offshore Infrastructure Zone	Physical Processes	Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial	Shipping and Navigation	Military and Civil Aviation	Seascape Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
MTF_INDUSTRIAL:21375	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	10.4	30.1	57.9	r	r	1	r	r	r	,	,	,	d	,	r
MTF_INDUSTRIAL.115467	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	10.4	30.9	58.2	r	r	r	r	ſ	r	r	r	,	d	r	r
MTF_INDUSTRIAL.21382	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	10.6	30.1	58.0	r	r	ſ	r	r	r	r	r	ı	d	ı	r
MTF_INDUSTRIAL.98650	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	11.1	30.1	58.5	r	r	ſ	ı	r	,	,	ı	,	4	ı	r
MTF_INDUSTRIAL.21381	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	12.2	30.1	59.2	r	r	r	ı	r	r	ı	r	,		ı	r
MTF_INDUSTRIAL.21367	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	12.3	30.3	59.4	r	r	r	r	r	r	r	,	ı	d	ı	f
MTF_INDUSTRIAL.20817	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	12.6	30.2	59.5	r	r	ſ	r	r	ſ	r	r	ı	d	ı	r
MTF_INDUSTRIAL.23300	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	12.8	44.9	60.8	r	r	ſ	r	r	ſ	r	r	ı	d	ı	r
MTF_INDUSTRIAL.23175	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	17.6	56.0	46.6	r	r	r	r	r	r	r	r	,	d	r	r
MTF_INDUSTRIAL.23296	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	17.7	52.2	64.6	r	r	r	ı	r	r	ı	r	,	d	ı	r
MTF_INDUSTRIAL.23177	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	18.1	56.5	47.1	r	r	r	ı	r	r	ı	r	,	d	ı	r
MTF_INDUSTRIAL.23176	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	18.1	56.5	47.1	r	r	r	ı	r	r	ı	r	,	d	ı	r
MTF_INDUSTRIAL.98653	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	18.2	56.1	47.2	r	r	r	ı	r	r	,	r	,		r	r
MTF_INDUSTRIAL.23299	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	18.5	54.9	64.1	r	r	r	,	r	r	,	ı	,	d	,	r
MTF_INDUSTRIAL.22443	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								4	19.3	56.2	48.5	r	r	r	ı	r	r	,	r	,		r	r
MTF_INDUSTRIAL.23304	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate		Active								5	50.1	56.8	65.3	r	r	ſ	f	f	ſ	ı	r	,		r	ľ
MTF_INDUSTRIAL.113816	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								5	50.6	58.8	49.6	ſ	ı	ſ	ſ	ſ	ı	,	,	,	d	,	,
MTF_INDUSTRIAL.23167	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active								5	50.9	59.2	49.9	ı	r	,	ı	r	ı	,	,	,	d	1	ľ

					Construc	ction Perio	d (red out	line denote	es Awel y	Mor offs	shore const	truction p	eriod)		1														
Project	Data Source(s)	Data Confidence Assessment	Notes	Status of Development	2020	2021	2023	2024	2025	2027	2028	2029	2030	205	array area (km)	Awel y Môr	AyM Other Offshore Infrastructure Zone		Water and Sediment Quality	Benthic and Intertidal Ecology	Fish and Shellfish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Military and Civil Aviation	Seascape, Landscape and Visual	Archaeology and Cultural Heritage	Other Marine Users and Activities
MTF_INDUSTRIAL.20680	Environment Agency	High - Third party project details published in the public domain and confirmed as being 'accurate' by the Crown Estate	Outfall pipe	Active											51.0	59.3	50.0	ı	r	ı	ı		ı	ſ	r	r	d	f	r

Freen Veyel Alforation MÖR Onthere Wind Farm								Matrix - Ons		or offshore	construction	n period)		Ī											RI	ΝE
Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	2020	2022	2023	2025	2026	2027	2028	2030	2030 - 2050	Distance to ES ECC (km)	Distance to ES Draft Order Limits (km)	Terrestrial Ecology and Nature Conservation	Archaeology and Cultural Heritage	Airborne Noise and Vibration	Traffic and Transport	Air Quality	Hydrology, Hydrogeology and Flood Risk	Geology and Ground Conditions	andscape and Visual Impacts	ocioeconomic s	Tourism and Recreation	Public Health
45/2021/1248 Development of 5 Ha of land to form Coastal Defence scheme comprising of the formation of flood embankments ramps outfall structures and rock armour including landscaping habitat enhancements works	Denbighshire CC Planning Portal	High	Coastal protection works	2021, pending decision										0.469425	0.0									S		
40/2018/1036 - Construction of a 5 MW flexible gas fired power plant	Denbighshire CC Planning Portal	High	Other energy generation infrastructure	2018, granted										9.1	0.0	c	c	c	c	d	d	c	c	c	c	d
45/2018/1197 - Construction of coastal protection scheme, incorporating: interlocking rock revertment and recurved upstand see will to replace existing, raising of walkway, new and amended accesses and associated works (East RN) coastal defence improvement	Denbighshire Consultation Response	High	Building/housing developments	2019, Granted										0.420879	0.1											
scheme). 40/2021/0309 - Care home	Denbighshire CC Planning Portal	High	Building/housing developments	2021, Granted										7.9	0.1	ſ	ſ	ſ	c	ſ	f	c	f	f	f	ı
40/2017/1232 - Erection of 7 no. industrial units with associated parking, landscaping, access road and external storage areas.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted										8.405236	0.1											
IAMORIA 1958 - Hybert planning application for the redevelopment of 6 has of land incorporating the following elements: Hybrid planning application (full details and outline) for the redevelopment of 6 has of land incorporating the following full details are considered to the following full details are considered to the following full details: Incorporating full details: Incorporating full details: Incorporating full details are considered for a full details are considered works. Cultime full details: Incorporating application for the execution of 5 No. business building; (Use Class 81 and 82) with all other matters reserved for futther approval.	Denbighshire Consultation Response	řšgh	Building/housing developments	2021, pending decision										8.756512	0.2											
43/2017/1121 - Use of land for the siting of an additional 65 touring caravan pitches and 39 timber camping pods, storage building and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted										1.108652	0.2											_
45/2018/1215 - Erection of 109 dwellings and associated works (Phase 5).	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										1.885683	0.3											
45/2021/0738 - Retrospective application for the change of use of dwelling (Use Class C3) to form a house of multiple occupancy (Use Class C4) for 4 people.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision										1.654037	0.4											
45/2021/0092. EIA screening and scoping opinion request for the proposed Central Rhyl Coastal Defence Scheme.	Denbighshire Consultation Response	High	Coastal protection works	2021, Screening Opinion issued										0.626787	0.4											
44/2018/0855 - Details of access, appearance, landscaping, layout and scale of 99 dwellings submitted in accordance with condition number 1 of outline permission code 44/2015/1075 (reserved matters and/institute).	Denbighshire Consultation Response	High	Building/housing developments	2019, Granted										3.958555	0.4											
matters application). DNS application (PINS Ref: DNS/3247619). Elwy Solar Energy Farm	Denbighshire Consultation Response, PINS	High .	Other energy generation infrastructure	2021, pending decision										7.159215	0.7											
40/2021/0825 - Erection of 106 dwellings, construction of a new vehicular access and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision										7.09827	0.8											
44/2020/0346 - Change of use of agricultural land to form extension to existing touring caravan site; siting of 3 no. glamping pods and camping facilities; construction of toilet, shower and laundry blocks and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted										4.837618	0.8											
and associated works. 43/2020/0773 - Erection of 35 no. dwellings and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2020, pending decision										1.655245	0.9											
43/2018/0750 - 133 dwellings 42/2018/0923 - 61 dwellings	Denbighshire CC Planning Portal	Medium	Building/housing developments	2018										2.8	0.9	d	d	d	d	d	d	d	d	d	d	d
42/2018/0923 - 61 dwellings 45/2020/0498 - Development of land in connection with existing	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted										3.6	0.9	d	d	c	c	d	d	d	d	d	d	d
45/20/20/0498 - Development of land in connection with existing hospital including the erection of a four storey community hospital. 40/2021/0796 - Erection of a detached storage building.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted										1.169567 8.09201	1.0											
	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted											1.1											
45/2017/1164 - Demolition of existing school buildings and erection of replacement school accommodating 920 pupils incorporating playgroup, nusery, primary and secondary places with associated play space, grass pitch, all weather pitch.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted										2.172563	1.1											
46/2019/0806 - Development of 0.75 ha of land for residential purposes (outline application including access).	Denbighshire Consultation Response	High	Building/housing developments	2019, pending decision										7.975204	1.2											
43/2019/0730 - 41 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2019, granted										3.2	1.2	d	d	c	c	d	d	d	d	d	d	d
45/2021/0265 - Change of use of land to "Skyflyer Balloon" tourist attraction including the installation of concrete platform, mounts winch and associated skyflyer Balloon and basket, siting of tolet and reception buildings, landscaping and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										1.353497	1.2											
45/2020/0725 - Conversion of existing offices to form 12 self- contained apartments, including demolition of extension to rear, erection of car port and sprinkler tank compound, landscaping and associated	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										1.522238	1.2											
works. 43/2020/0521 - Erection of 102 affordable dwellings, associated roads, open space, landscaping and infrastructure (re-submission of planning application 44/2019/0629).	Denbighshire Consultation Response	High	Building/housing developments	2020, pending decision										1.927921	1.3											
45/2020/0096 - Change of use and alterations to former offices to form a 61 bed, 6 ward hospital for residential nursing and health care.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted										1.621673	1.3											

					Construction	Period (re	ed outline	e denotes A	wel y Mô	r offshore	construc	tion period)														
Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	2020	2022	2023	2024	2026	2027	2028	2030	2030 - 2050	Distance to ES ECC (km)	Distance to ES Draft Order Limits (km)	Terrestrial Ecology and Nature Conservation	Archaeology and Cultural Heritage	urborne Noise and Vibration	Traffic and Transport	Air Quality	Hydrology, Hydrogeology and Flood Risk	Geology and Ground Conditions	indscape and /isual Impacts	cioeconomic	Tourism and Recreation	Public Health
45/2018/0822 - Construction of 41 housing association apartments	Denbighshire	High	Building/housing	2018, Granted										1.492233	1.3			4					3-	Š		4
for local residents over 55 years of age together with new and altered vehicular and pedestrian accesses, associated parking provision, and related work. 45/2027/0197 - Change of use of land and erection of a Further	Consultation Response		developments																							
45/2021/0187 - Change of use of land and erection of a Further Education Engineering Centre building, formation of a new vehicular access, construction of an internal site access road and car park, together with landscaping and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										2.897721	1.4											
43/2020/0023 - Erection of a retail store with garden centre, servicing and car parking areas and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2020, Granted										2.7966	1.4											
45/2018/0263 - Demolition of existing building and redevelopment of land by the erection of 18 apartments and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2019, Granted										2.231314	1.5											
40/2021/0730 - Demoltion of dwelling and erection of 28 new dwellings including new vehicular access, internal access road and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, pending decision										7.53746	1.7											
45/2020/0858 - Conversion and alterations to hotel to form 10 no. self-contained apartments.	Denbighshire Consultation Response	High	Building/housing developments	2020, pending decision										1.826821	1.7											
43/2018/0900 -15 unit apartment block	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted										3.0	1.7	d	d	c	c	d	d	d	d	d	d	d
43/2020/0843 - Demoition of former library building, erection of a new three and half storey building to contain 2 no. commercial units at ground floor and 14 no. one- bedroom residential apartments on the unper floors and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										3.117964	1.7											
upper floors and associated works. 45/2021/2001-19/tid Panning application (full details and outline) for the redevelopment of 0 92ha for lated known so Queen Market, incorporating the following full Details: 1- Demotilis on 61 the Bright Spot building on the corner of West Parade and 14(s) Street 1- Demotilis on 2-6 14(s) Street 1- Demotilis on 2-6 14(s) Street	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										2.051627	1.9											
46/2021/1161 Erection of 124 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2021, Pending decision										9.077816	2.1											
45/2020/0865 - Demolition of existing dwellings, erection of 13 no. dwellings and associated works.	Denbighshire Consultation Response	High	Building/housing developments	2021, Granted										2.305777	2.2											
0/48678 Erection of 11kv pole and overhead line	CCBC Planning Portal	High	National Grid enabling works	2021,										11.833164	2.5											+
31/2021/0724 11kv Overhead Line, supported by an existing 11kv Pole & Stay. The proposed 11kv Overhead line will replace an existing 11kv Overhead line approx 100m to the west	Denbighshire CC Planning Portal	High	National Grid enabling works	Approved 2021 , Approved										11.874298	2.5											
45/2018/0123 - Erection of a retail unit with associated parking, access, servicing and landscaping.	Denbighshire Consultation Response	High	Building/housing developments	2018, Granted										3.049368	2.5											
43/2016/0356 - Development of 2.4 hectares of land for residential development (outline application all matters reserved) (resubmission of previously refused application under Code No. 43/2014/1166/PC).		High	Building/housing developments	2016, pending decision										4.149741	2.7											
43/2017/0848 Erection of 41 affordable dwellings and associated works.	Consultation Response	High	Building/housing developments	2020, Granted										4.178794	2.8											
0/48667 To install a new one way relief road, to take queuing traffic off the main road allowing for better movement along the A548. Creation of new road junction and incorporation of drainage works	CCBC Planning Portal	High	Installation or upgrade of roads	2021, Approved										4.662346	3.5											
0/44022 - Erection of 11 kV overhead line	CCBC Planning Portal	High	National Grid enabling works	2017, granted										6.9	3.7	d	c	d	d	d	d	d	c	d	d	d
30/2018/0269 - Installation of a ground-mounted solar array development to provide renewable electricity to the water treatment works. 30/2018/0969 - 13 dwellings	Denbighshire CC Planning Portal	Medium	Other energy generation infrastructure	2018										11.3	4.1	d	d	c	c	e e	d	d	d	d	d	d
30/2018/0969 - 13 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted										12.2	4.4	d	d	c	c	G.	d	d	d	d	d	d
58304 - Residential development for 41 no. dwellings	Flintshire County Council Planning Porta	High I	Building/housing developments	2018, granted										5.8	4.4	d	d	d	d	d	d	d	d	d	d	d
0/44263 - Provision of 5 no. self contained residential units	CCBC Planning Portal	High	Building/housing developments	2017, granted										7.3	6.3	d	c	d	d	d	d	d	d	d	c	
0/45487 - Installation of 14 no. solar panels	CCBC Planning Portal	High	Other energy generation infrastructure	2018, granted										7.6	6.3	d	d	d	d	d	d	d	d	d	c	a a
0/43986 - Erection of 11 kV overhead line	CCBC Planning Portal	High	National Grid enabling works	2017, granted										14.8	6.4	d	d	d	d	d	d	d	d	d	d	d
0/45297 - Erection of 73 dwellings, access and open space	CCBC Planning Portal	High	Building/housing developments	2018, granted										8.8	6.5	d	d	d	d	d	d	d	d	d	d	d
0/47520 - Increase the total number of dwellings proposed from 73 no. homes to 81 no. homes	CCBC Planning Portal	Medium	Building/housing developments	2020, submitted										8.8	6.5	d	d	d	d	d	d	d	d	d	d	d
00/2021/0582 ItA Scoping Opinion consultation of the proposed HyMet North West Carbon Dioxide Pipeline (Nationally Significant Infrastructure Project)	Denbighshire CC Planning Portal	High	Installation of upgrade of cables and pipelines	2021										8.009531	6.6											
01/2019/1011 - Construction of a Local Authority Waste Transfer Station	Denbighshire CC	High	Building/housing	2019, granted										15.4	7.1	d	d	d _	d	d	d	d	d	d	d	d .
01/2019/0744 - 22 dwellings	Planning Portal Denbighshire CC	High	developments Building/housing	2019, granted										16.3	7.7	d	d	d	d	d .	d	d	d	d	d	
57971 - Residential development for 27 no. dwellings	Planning Portal Flintshire County Council Planning Porta	High I	developments Building/housing developments	2018, granted										9.6	8.2	d	d	d	d	d	d	d	d	d	d	d
59730 - Installation of an 11 kV overhead line	Flintshire County Council Planning Porta	High	Installation or upgrade of cables and pipelines	2019, granted										10.6	8.3	d	d	d	d	d	d	d	d	d	d	d
53603 - Residential development to provide eight houses	Flintshire County Council Planning Porta	High	Building/housing developments	2017, granted										9.6	8.3	d	d	d	d	d .	d	d .	d	d	d	
	running ruta															9				, i	T a		<u> </u>			الكتا

					Construction Pe	riod (red	outline denot	es Awel	y Mör offsho	ore construction	period)													
Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	2020	2022	2024	2025	2027	2028	2030 - 2050	Distance to Es (km)	ECC Distance to ES Draft Order Limits (km)	Terrestrial Ecology and Nature Conservation	Archaeology and Cultural Heritage	irborne Noise and Vibration	Traffic and Transport	Air Quality	Hydrology, lydrogeology nd Flood Risk	Geology and Ground Conditions	ndscape and isual Impacts	sioeconomic	Tourism and Recreation	Public Health
01/2019/0959 - 64 dwellings	Denbighshire CC	High	Building/housing	2019, granted								17.3	9.4			₹ "			Ξ 0		요 >	So		
0/46535 - Rebuild and upgrade of existing 11 kV overhead line with	Planning Portal CCBC Planning Portal	High	developments National Grid enabling works	2019, granted								19.0	10.4	d	d	d	d	d	d	d	d	d	d	d
associated LV line diversion 61030 - Erection of 8 no. dwellings	Flintshire County	Medium	Building/housing	2020,								13.2	10.5	d	d	d	d	d	d	d	d	d	d	d
	Council Planning Portal	1	developments	submitted								13.2	10.3	d	d	d	d	d	d	d	ci .	d	d	d
0/45766 - Erection of 8 no. residential units	CCBC Planning Portal	High	Building/housing developments	2019, granted								11.4	11.4	d	d	d	d	d	d	d	d	d	d	d
59701 - Residential development for 10 no. dwellings	Flintshire County Council Planning Porta	High	Building/housing developments	2019, granted								13.0	11.5	,		,	,	,	,	,	,			
60783 - Residential development for 20 no. dwellings	Flintshire County	Medium	Building/housing	2019								13.1	11.6		<u> </u>	<u>'</u>	<u> </u>			<u> </u>	<u> </u>	<u> </u>	4	
50750 - residential development to 20110. Givenings	Council Planning Porta	I	developments	submitted								13.1	11.0		f	f	r	f	r	f	f	f	r	r
61838 - Dismantling and installation of overhead lines	Flintshire County Council Planning Portal	Medium	Installation or upgrade of cables and pipelines	2020, submitted								14.3	11.9	d	d	d	d	d	d	d	d		d	d
0.49272. Planning application seeking full planning permission for the implementation of a coastal and slavm defertee scheme comprising of a sirce of coastal protection measures, including the construction of a rock revertment along with aftersions to provide construction of a rock revertment along with aftersions to provide read in proportion of the property of the provided read in proportion who six large follows flay, from Porti Brias in the west to Sptath Point (by Old Colvyn Arches) in the east.	CCBC Planning Portal	High	Coastal protection works	2022, Registered								12.108614	12.1											
0/44478 - 63 bed hotel, 5 no. restaurants units and 1 no. business unit	CCBC Planning Portal	High	Building/housing developments	2017, granted								12.3	12.2	f	f	ſ	f	f	r	f	f	f	f	f
0/45708 - Erection of a four storey apartment block to accommodate 16 affordable housing units	CCBC Planning Portal	High	Building/housing developments	2018, granted								12.4	12.2	f	ſ	ſ	ſ	ſ	f	ſ	f	ı	f	f
0/47284 - Development of 89 no. dwellings	CCBC Planning Portal	Medium	Building/housing developments	2020, submitted								12.5	12.4	r	ſ	ſ	r	r	r	ſ	ſ	ſ	ı	ı
0/44859 - Residential development of 22 no. dwellings and associated infrastructure	CCBC Planning Portal	High	Building/housing developments	2020, granted								12.6	12.6	d	d	d	d	d	d	d	6	d	d	d
0/4728 - Proposed erection of 2 no. industrial buildings providing 7 no. units	CCBC Planning Portal	Medium	Building/housing developments	2020, submitted								12.8	12.7	f	f	ſ	ſ	f	r	f	f	f	,	,
0/45845 - Erection of 39 dwellings	CCBC Planning Portal	Medium	Building/housing developments	2019, submitted								12.8	12.8	d	d	d	d	d	d	d	d d	d		d
0/46130 - Construction of 46 no. apartments, 42 no. new dwellings	CCBC Planning Portal	Medium	Building/housing	2019, submitted								13.0	13.0	d	d	d	d	d	d	d	d	d	d	
0/45618 - Erection of 9 no. dwellings	CCBC Planning Portal	High	developments Building/housing	2018, granted								13.2	13.2	d	d	d	d	d	d	d	ei ei	d		
58975 - Construction and operation of a gas fuelled capacity mechanism embedded generation plant and associated infrastructure	Flintshire County Council Planning Portal	High	developments Other energy generation Infrastructure	2019, granted								15.9	14.1	ſ	,	f	ſ	ſ	ſ	ı	ſ	,	r	f
58639 - Construction and operation of a gas fuelled capacity mechanism embedded generation plant and associated	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2018, granted								16.0	14.2	ſ	,	,	,	,	,	,	1	,		,
infrastructure 0/44726 - Erection of 11 kV overhead line	CCBC Planning Portal	High	National Grid enabling works	2018, granted								21.3	14.7	d	d	d	d	d	a a	d	d		d	d
0/44548 - Proposed residential development comprising 52 no. dwellings	CCBC Planning Portal	High	Building/housing developments	2017, granted								14.7	14.7	f	f	ſ	ſ	f	r	f	f	f	,	,
57261 - Erection of 4 storey building - 55 apartments	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted								16.9	14.9	f	r	f	r	f	r	r	r	r	r	f
0/47133 - Erection of 6 no. industrial units	CCBC Planning Portal	High	Building/housing	2020, granted								15.1	15.1	f	,	,	,	,	,	,	,	,	,	,
57865 - Erection of 44 no. dwellings	Flintshire County Council Planning Portal	High	developments Bullding/housing developments	2018, granted								17.2	15.2	f	,	ſ	1	ı	,	ı	1	,	,	f
61230 - Residential development including 15 no. new housing units	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted								17.3	15.2	ſ	ſ	f	ſ	ı	ſ	ı	ı	ı	,	f
0/45608 - Erection of 11 kV overhead line	CCBC Planning Portal	High	National Grid enabling works	2018, granted								15.6	15.6											
0/45260 - erection of 16 residential units	CCBC Planning Portal		Building/housing	2018, granted								15.7	15.7						,	, .				
58474 - Proposed creation of a sewerage pumping station	Flintshire County	High	developments Building/housing	2018, granted								18.4	16.6	· ·	1			1						
61675 - Install new LV overhead service line	Council Planning Portal Flintshire County	Medium	developments Installation or upgrade of	2020,								19.1	17.2	f	ſ	ſ	ľ	ľ	ľ	ľ	ſ	ľ	f	f
0/46952 - Erection of 6 no. dwellings/houses	Council Planning Portal CCBC Planning Portal	High	cables and pipelines Building/housing	submitted 2019, granted								17.2	17.2	f	ľ	f	ľ	f	ľ	ľ	ľ	ľ	-	f
0/47043 - Re-position existing overhead lines and install additional	CCBC Planning Portal	High	developments National Grid enabling works	2020, granted								17.9	17.9	'		_			'					
LV pole and stay 0/46977 - Proposed residential development for 107 no. residential	CCBC Planning Portal	Medium	Building/housing	2020.								17.9	17.9	_	ļ				<u> </u>			ľ		1
dwellings 59925 - Retrospective planning for a 2nd underground supply	Flintshire County	High	developments Installation or upgrade of	submitted 2019, granted								20.7	18.4	1	1	1	'	'	-	1	<u> </u>	1		
	Council Planning Portal	-	cables and pipelines	2317, granted											ſ	ſ	ſ	ſ	f	ſ	ſ	ſ	f	r
16/2018/1137 - 38 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2018, granted								25.4	18.5	ſ	ſ	ſ	r	r	r	r	ſ	ſ	f	ı
0/45282 - Erection of 5 no. market dwellings and 2 no. affordable dwellings	CCBC Planning Portal	High	Building/housing developments	2018, granted								21.0	20.2	f	ſ	ſ	ſ	ſ	f	ſ	f	ſ	f	r
59143 - The erection of a 7.5 MW gas fired power station and associated infrastructure	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2019, granted								22.4	20.3	ſ	,	ſ	ſ	ſ	ı	ı	ſ	r	ſ	f
DCO/2016/0947 - The Clocaenog Forest Wind Farm Order	Denbighshire CC	High	Other energy generation	2016, granted								29.7	20.3	f	ſ	ſ	ı	ſ	ſ	ſ	ſ	c	c	1
57732 - Construction of a 5 MW flexible gas fired power station	Planning Portal Flintshire County	High	Other energy generation	2017, granted								22.4	20.3											
	Council Planning Portal		Infrastructure											ſ	ľ	1	1	ſ	ſ	ſ	'	ſ	ľ	

Column C						Construction	Period (re	ed outlin	e denotes /	lwel y M	or offsho	ore constru	uction period	0													
March Marc	Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	and Status of	2020	2022	2023	2024	2026	2027	2028	2029	2030 - 2050	Distance to ES ECC (km)	Distance to ES Draft Order Limits (km)	Terrestrial Ecology and Nature Conservation	Archaeology and Cultural Heritage	Wrborne Noise and Vibration	Traffic and Transport	Air Quality	Hydrology, Hydrogeology and Flood Risk	Geology and Ground Conditions	andscape and Visual Impacts	ocioeconomic s	Tourism and Recreation	Public Health
Management Man	59862 - Installation and operation of a 2 MW ground mounted solar farm		High	Other energy generation infrastructure	2019, granted										22.4	20.4	ſ	f	ı	r	r	f	ſ	r	ı	ſ	f
Company Comp	11/2019/0751 - 5 dwellings		High		2019, granted										29.1	20.6	f	f	f	ı	f	f	f	ı	f	ſ	f
Company Comp	60699 - Outline application for proposd residential development of 18 no. houses	Flintshire County	Medium	Building/housing											23.0	20.9	r	f	f	r	,	f	f	f	,	ſ	f
Section Sect	58314 - An outline planning permission for residential development of up to 145 dwellings	Flintshire County Council Planning Porta	Medium	Building/housing developments											23.1	21.0	r	r	ſ	r	,	f	f	f	,	ſ	f
Comment Comm	57565 - Erection of 20 no. detached dwellings	Flintshire County Council Planning Porta	Medium												23.2	21.1	ı	r	ſ	r	r	r	ſ	r	ı	ſ	f
Comment Comm	60006 - Erection of 19 apartment units in 3 blocks		Medium		2019, submitted										23.4	21.4	ſ	ſ	ſ	r	r	r	ſ	ſ	ı	ſ	f
Management Man	59638 - Construction of 5 dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										23.6	21.5	ſ	ſ	ſ	r	r	r	ſ	r	ı	ſ	f
Part	SCR/2019/44 - Screening opinion for the part removal of the existing concrete sea defence wall and the erection of a replacement sea defence wall (FIA not rep.)	IOA CC Planning Portal	Medium	Coastal protection works	2019										25.9	21.7	ſ	r	ſ	r	r	r	r	r	ı	ſ	f
Manual Continue Annual Annual Association of the Continue Annual Annua	12/2017/0638 - Minimum 5 dwellings	Denbighshire CC Planning Portal	High	Building/housing developments	2017, granted										30.4	21.8	ſ	r	r	r	f	ſ	ſ	r	r	ſ	r
Comparison of the Comparison of Comparison	58957 - Demolition of existing outbuilding, installation of new fuel tanks	Flintshire County	High	Building/housing	2019, granted										23.9	21.9	r	r	r	r	,	f	r	r	,	ı	f
The Temperature of the planets agreeding of the Configuration of the Con	59399 - Proposed erection of 52 dwellings		High		2019, granted										24.1	22.0	ſ	ſ	ſ	ſ	ſ	f	ſ	ſ	ı	ı	f
Process Proc	57540 - Amendments to previously approved house types to allow for 73 dwellings (an increase by 9 on previous approval)	Flintshire County Council Planning Portal	High		2017, granted										24.3	22.2	ı	r	ſ	,	ſ	r	ı	ſ	ı	ſ	ı
Extra Companies of the control of	12/2020/0253 - Installation of 12 solar photovoltaic ground mounted panels	Denbighshire CC	High	Other energy generation	2020, granted										31.0	22.3	ſ	f	f	ſ	f	f	f	f	r	ſ	f
Count Private Consequence for the second conference of the Count Private County of the	54077 - Outline application for residential development of 16	Flintshire County	High	Building/housing	2020, granted										24.4	22.4	r	r	r	r	ı	r	r	f	ı	ı	f
Social State Soci	53325 - Outline application for the erection of 10 no. dwellings		High	Building/housing developments	2019, granted										27.1	22.4	ſ	r	r	r	ı	r	r	r	ı	r	f
Council Printed Printed Service Assessment of the Council Printed Prin	60696 - Outline application for 28 dwellings		Medium												27.2	22.6	r	f	f	r	,	f	f	f	,	ſ	f
Concellations Related to the four Mode word Forms Desiration of Concellation Desiration De	60414 - Construction of 5 no. detached dwellings	Flintshire County Council Planning Porta	High		2019, granted										26.6	22.8	r	r	r	r	ı	r	r	f	ı	ı	f
Connection Chairs	61154 - Proposed residential development for 90 no. residential unit	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted										27.2	23.0	r	r	r	r	ı	f	r	f	ı	ſ	f
Page	DCO/2018/0804 - Related to the North Wales Wind Farms	Denbighshire CC	Medium	Other energy generation	2018										32.4	23.1	ſ	ſ	f	ſ	r	f	f	f	f	ſ	1
Math Control of Table Courty Math Count of Processing 2018, granted Count of Processing Count of			High	Building/housing	2018, granted										26.6	23.2	ſ	ſ	f	ſ	r	f	f	f	f	ſ	1
Concil Planning Potal developments developments	59421 - Erection of 23 no. apartments		High	Building/housing	2019, granted										27.2	23.4	ı	ſ	ſ	r	r	f	ſ	r	ı	ſ	f
Security of Supering Management and execution of 14 CDEC Planning Potal Map Building Possing 2019 granted (see Supering Garden of the execution of 3 developing (IA not planning CDE) and publishing 2019 granted (see Supering Garden of 14 CDEC Planning Potal Map Building Possing CDEC	56742 - Residential development for 160 no. dwellings	Flintshire County Council Planning Porta	High	Building/housing developments	2018, granted										28.0	23.8	ſ	r	r	r	ı	r	r	r	ı	r	f
Committee of 20 spectromens and erection of 1 Coldic Planning Portal Sph Dusting-fighnoung 2019 garded Sph Dusting-fighnoung 2019 garded Sph S	FPL/2019/327 - Full application for the erection of 5 dwellings	IOA CC Planning Portal	Medium	Building/housing	2019, submitted										28.1	23.9	f	f	f	ſ	ſ	f	f	r	f	r	f
CSP/2007-5-covering operator for exection of 5-devellings (IEA-rec.) CA CC Planning Portal Medium Building-housing and evel operators for exection of 5-devellings (IEA-rec.) CA CC Planning Portal Medium Building-housing across the property of t	0/46652 - Demolition of 30 apartments and erection of 14 affordable dwellings	CCBC Planning Portal	High	Building/housing											28.9	24.0	ſ	r	r	r	f	ſ	ſ	r	r	ſ	r
Science of 11x overhead line CBC Enring Potal Assum Subsing Rocaring Government Section of 11x overhead line CBC CB Internal Potal Assum Subsing Rocaring Government Section of 11x overhead line CBC CB Internal Potal Assum Subsing Rocaring Government Section of 11x overhead line CBC CB Internal Potal Assum Subsing Rocaring Government Section of 11x overhead line CBC CB Internal Potal Assum Subsing Rocaring Government Section of 11x overhead line CBC CB Internal Potal Assum Subsing Rocaring Government Section of 11x overhead line CBC CBC Internal Potal Assum Subsing Rocaring Government Section 11x overhead line CBC CBC Internal Potal Assum Subsing Rocaring Government Section 11x overhead line CBC CBC Internal Potal Assum Subsing Rocaring Government Section 11x overhead line CBC CBC Internal Potal Assum Subsing Rocaring Government Section 11x overhead line CBC CBC Internal Potal CBC CBC Internal Potal Assum Subsing Rocaring Government Section 11x overhead line CBC CBC Internal Potal CBC CBC Internal P	SCR/2020/3 - Screening opinion for erection of 5 dwellings (EIA not	IOA CC Planning Portal	Medium	Building/housing	2020										28.6	24.2	ſ	f	f	ſ	r	ı	f	r	r	ſ	f
1642975 - Recidential development for the erection of 92 development for the erection		IOA CC Planning Portal	Medium	Building/housing	2020										28.6	24.2	ſ	f	f	ſ	ſ	ı	ſ	f	ſ	ſ	f
Council Planning Portal Signature Septiment Sep	0/43757 - Erection of 11 kV overhead line	CCBC Planning Portal	High		2017, granted										26.3	24.4	ſ	f	f	ſ	r	ı	f	r	r	ſ	f
Council Planning Portal developments Council Planning Portal developments Council Planning Portal developments Council Planning Portal developments Council Planning Portal development dissipant development dispersion development dissipant development dissipant	60220 - Residential development for the erection of 92 dwellings	Flintshire County Council Planning Portal	Medium	Building/housing developments											27.6	24.4	ſ	ſ	ſ	ſ	ſ	r	f	f	ſ	ſ	r
Internationent voids Planning Portal Planning	58968 - Residential development of 20 no. apartments	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										28.6	24.5	ı	r	ſ	r	ſ	r	f	f	ſ	ſ	f
TELEFORY-Full application under Section 37 of the Exciscity ACI Wiley for the re-build of the easting 11 Vivo exhead line DUCKNOT/076- Frection of 8 no replacement wind but lines at Planning Portal DA CC Planning Portal Other energy generation Planning Portal Other energy generation Other energy generation Planning Portal Planning Portal Subling/housing development into 5 no. develings Days - Re-development into 5 no. develings Days - Re-development of 5e develings D	DCO/2017/1059 - Details of highways improvement design and reinstatement works	Denbighshire CC Planning Portal	High	Installation or upgrade of roads	2017, granted										33.8	25.0	ſ	f	f	ſ	r	ı	f	r	r	ſ	r
DO2017/0786 - Re-elcor of 4 no replacement wind furtions at Policy behavior of 4 no replacement wind furtions at Policy behavior of 4 no replacement wind furtions at Policy behavior of 4 no replacement wind furtions at Policy behavior of 4 no replacement wind furtions at Policy behavior of 4 no replacement wind furtions at Policy behavior of 4 no replacement wind further submitted winds (Part of 5 no develings) and associated works	ELE/2019/9 - Full application under Section 37 of the Electricity Act 1989 for the re-build of the existing 11 kV overhead line		Medium	National Grid enabling works											29.7	25.1	ſ	f	f	ſ	r	ı	f	r	ı	ſ	f
S9006 - Erection of 59 no. divellings and associated works Firsthire Country Council Planning Portal High Suiting/housing developments 28.7 25.5	00/2017/0756 - Erection of 4 no. replacement wind turbines at Hafoty Ucha wind farm		Medium		2017,										34.5	25.3	ſ	f	f	ſ	r	ı	f	r	ı	ſ	f
Council Planning Portal developments Council Planning Portal		Flintshire County	High	Building/housing											28.7	25.5	ſ	ſ	ſ	ſ	ſ	f	ſ	ſ	ı	ı	f
Council Planning Portal developments submitted r r r r r r r r r r r r r r r r r r r	58799 - Re-development into 5 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2020, granted										28.8	25.8	ı	f	ſ	ſ	r	f	ſ	f	ı	ı	ſ
55583 - Construction of 33 no. dwellings Flintshire County Council Planning Portal developments submitted 28.2 26.0 F.	61572 - Development of 56 dwellings	Flintshire County Council Planning Portal	Medium	Building/housing developments											29.4	25.8	ſ	ſ	ſ	ſ	r	f	r	ſ		ſ	ſ
	58583 - Construction of 33 no. dwellings	Flintshire County Council Planning Portal	Medium		2019, submitted										28.2	26.0	ſ	ſ	ſ	ſ	ſ	f	ſ	ſ	ı	ı	f

lle a see a se	In				Construction I	Period (re	ed outlin	e denotes A	wel y Mo	or offshor	re constru	uction period	0	DI 50 500		= 7 - 5	~= ^	1.5	7.5		1.50	17-4	πø		I = c	16
Project/Planning Application	Data Source(s)	Assessment	Notes	Application and Status of Development	2020	2022	2023	2024	2026	2027	2028	2029	2030 - 2050	Distance to ES ECC (km)	Distance to ES Draft Order Limits (km)	Terrestria Ecology and Nature Conservation	Archaeolog) and Cultura Heritage	arborne Noise and Vibration	Traffic and Transpor	Air Quality	Hydrology tydrogeology ind Flood Risl	Geology and Ground Conditions	indscape and	cioeconomic	Tourism and Recreation	Public Healt
58544 - Residential development of 30 no. affordable apartments	Flintshire County	Medium	Building/housing	2019,										28.5	26.4			4					37	os S		
	Council Planning Portal		developments	submitted												f	f	f	ſ	f	f	f	ſ	f	ſ	ľ
56530 - Erection of 9 dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										28.6	26.5	f	f	r	r	r	ı	f	r	f	r	r
56658 - Erection of 8 no. flats, 2 no. retail units and 16 no. parking spaces	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted										28.9	26.9		ſ	r	r	ſ	ı	f	ſ	r	r	r
60765 - Installation and operation of ground monuted solar panels and associated infrastructure	Flintshire County Council Planning Porta	High	Other energy generation Infrastructure	2020, granted										29.2	27.1	f	ſ	r	r	r	r	f	r	f	r	,
57165 - Erection of 13 no. houses and 6 no. apartments	Flintshire County Council Planning Porta	High	Building/housing developments	2020, granted										30.5	27.3	f	ſ	ſ	r	f	ı	ſ	f	f	f	r
59991 - Erection of 5 no. detached dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										30.2	27.4	f	f	r	r	f	ı	f	r	f	f	r
57477 - Installation of a 4.5 kW micro-hydro scheme	Flintshire County Council Planning Portal	High	Other energy generation Infrastructure	2018, granted										29.7	27.6	ſ	ſ	ſ	r	f	r	r	r	f	ſ	,
60955 - Erection of 10 affordable walk-up apartments and 2 affordable houses	Flintshire County Council Planning Portal	High	Building/housing developments	2020, granted										30.9	27.6	ſ	r	r	,	ſ	ı	r	r	r	r	,
FPL/2019/204 - Full application fot the erection of 27 affordable dwellings	IOA CC Planning Portal	High	Building/housing developments	2019, granted										34.1	27.6	f	f	f	ſ	ſ	r	f	f	ı	ſ	ı
59739 - Erection of 75 to 90 bed extra care facility to include supporting communal facilities and 12 bungalows and ancillay works	Flintshire County Council Planning Porta	Medium	Building/housing developments	2019, submitted										31.0	27.7	ſ	ſ	ſ	r	f	r	r	f	f	ſ	,
56524 - Construction of 14 houses	Flintshire County Council Planning Porta	High	Building/housing developments	2017, granted										31.0	27.8	ſ	ſ	r	r	f	ı	r	ſ	f	r	r
58270 - Construction and operation of a waste management facility	Flintshire County Council Planning Portal	High	Building/housing developments	2018, granted										29.8	27.9	ſ	ſ	r	r	ſ	ı	f	ſ	f	r	r
59175 - construction and operation of an urban reserve 2x2.5 MW gas fired power plant	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2019, granted										29.9	28.0	ſ	r	r	r	r	ı	f	r	r	ſ	r
58296 - Erection of 28 apartments and 3 houses	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										30.6	28.3	ſ	r	r	r	ſ	ı	f	r	r	r	r
59388 - Erection of 10 no. industrial units	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										31.2	28.3	ſ	ſ	ı	r	f	ı	r	ſ	f	r	,
57115 - Erection of 5 no. dwellings	Flintshire County Council Planning Porta	High	Building/housing developments	2017, granted										30.6	28.4	ſ	ſ	ı	r	f	ı	r	r	f	r	,
57374 - Construction of 23 no. dwellings and associated works	Flintshire County Council Planning Porta	High	Building/housing developments	2018, granted										31.1	28.6	ſ	ſ	r	,	f	ı	ſ	f	r	f	,
57702 - Erection of 6 no. 3 bed houses	Flintshire County Council Planning Portal	Medium	Building/housing developments	2019, submitted										30.7	28.6	ſ	ſ	r	,	f	ı	ſ	f	r	f	,
56726 - Erection of 9 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2017, granted										30.9	28.7	f	ſ	r	ı	f	ı	ſ	f	r	r	,
0/44248 - Erection of 4 no. replacement wind turbines at Hafoty Ucha wind farm	CCBC Planning Portal	High	Other energy generation	2017, granted										38.1	28.8	f	f	f	ſ	ſ	f	f	f	ı	f	ı
56601 - Erection of 7 dwellings	Flintshire County Council Planning Portal	High	Infrastructure Building/housing developments	2017, granted										33.0	28.8	f	f	r	r	r	,	f	r	r	r	r
61392 - Erection of 56 dwellings	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted										31.8	28.9	ſ	ſ	ſ	,	f	ı	ſ	ı	f	,	,
61507 - Outline application for approval in principle for residential development (up to 94 dwellings)	Flintshire County Council Planning Porta	Medium	Building/housing developments	2020, submitted										32.1	29.0	ſ	ſ	ſ	,	f	ı	ſ	ſ	f	ı	,
SCR/2019/65 - Screening opinion for the erection of a new 11 kV overhead line together with the removal of existing overhead line	IOA CC Planning Portal	Medium	National Grid enabling works	2019										34.9	29.2	ſ	ſ	ſ	,	r	ı	ı	r	ı	r	,
(EIA not req.) 10/2017/0330 - 6 dwellings	Denbighshire CC	High	Building/housing	2017, granted										37.3	29.3	ſ	ſ	ſ	1	1	1	1	ſ	,	ſ	
ELE/2019/7 - Full application under Section 37 of the Electricity Act 1989 to upgrade the existing overhead supply to a mainline	Planning Portal IOA CC Planning Portal	High	developments National Grid enabling works	2019, granted										37.3	29.3	,	ſ	ı	ı	,	,	f	ſ	,	ı	,
59343 - Proposed residential development for 12 no. units	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										32.0	30.0	ſ	ſ	ſ	r	ſ	ı	1	ı	ſ	ſ	,
59277 - Development of existing highway land to a Park & Ride facility with associated infrastructure	Flintshire County Council Planning Portal	High	Installation or upgrade of roads	2019, granted										32.0	30.1	ſ	ſ	f	,	f	ı	ſ	r	r	f	,
C20/0015/16/LL - 5 industrial units	Gwynedd Council	High	Building/housing	2020, granted										33.3	30.2	f	ſ	ſ	ſ	ſ	,	ſ	ſ	ı	ſ	,
FPL/2019/249 - Erection of 14 dwellings	Planning Portal IOA CC Planning Portal	Medium	developments Building/housing	2019, submitted										38.2	30.2	f	f	ſ	ſ	ſ	ı	ı	ſ	ı	ſ	ı
61573 - 40 new dwellings - application to renew unexpired outline planning permission	Flintshire County Council Planning Portal	Medium	developments Building/housing developments	2020, submitted										33.8	30.2	1	ſ	r	,	ſ	ſ	ı	ı	,	ı	
59352 - Erection of 32 no. dwellings	Flintshire County Council Planning Portal	High	Building/housing developments	2019, granted										33.6	30.3	,	,	,	,	,	,	,	,	,	,	,
58310 - Erection of 24. no dwellings	Flintshire County	High	Building/housing	2018, granted										33.3	30.3											
	Council Planning Portal		developments													ſ	1	ſ	í	ſ	ſ	ſ	ſ	ſ	ľ	ſ

Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application	Construct	5022	2023	enotes Awe	y Mor offsr	ore constru	uction perio	(bo	Distance to ES ECC Distance to ES (km) Draft Order Limit	strial and oture tion	logy tural tage	lolse	and	ality	ogy, logy Risk	and sund sions	and	s	and	alth
		A Designation		and Status of Development	2 ,	2	7 7	7		7	N N	2030 - 2	(km)	Terres Ecology Na Sonserva	Archaeol and Cult Herit	rborne N	Traffic	Air Qu	Hydrok ydrogeol nd Flood	Seology Gro Condil	ndscape isual Imp	sloecono	Tourism Recrea	Public He
LE/2019/2 - re-build of the existing 11 kV overhead line	IOA CC Planning Portal	l High	National Grid enabling works	2019, granted									36.1 30.3	,	,	₹ "	,	,	± ā	,	<u> </u>	So.	,	-
1731 - Construction of a 5 MW flexible gas fired power station	Flintshire County Council Planning Portal	High	Other energy generation Infrastructure	2018, granted									32.5 30.4	t .	ı.	ı.	ı.	ı.	ı	ı	r	ı	ſ	f
627 - The construction of a flexible gas fired power station	Flintshire County Council Planning Portal	High	Other energy generation infrastructure	2020, granted									32.5 30.4	ſ	,	,	,	,	,	,	ſ	,	,	ſ
790 - Proposed residential development for 25 no. affordable vellings	Flintshire County Council Planning Portal	Medium	Building/housing developments	2020, submitted									32.5 30.4	,	,	,	,	,	,	,	,	,	,	,
0/0669/11/LL 4 storey building - 36 residential units	Gwynedd Council	Medium	Building/housing	2020,									34.1 30.5		<u>.</u>		<u>.</u>						-	<u> </u>
2018/0188 - 8 dwellings	Planning Portal Denbighshire CC	High	developments Building/housing	submitted 2018, granted									39.7 31.1	,	,	,	,	,			,	,	,	,
/2018/0790 - Installation of a 100 kW micro-hydro turbine with locicated buried pipeline, turbine shed, buried power cable and a	Planning Portal Denbighshire CC	High	developments Other energy generation	2018, granted									39.9 31.3	,	,	,	,	,			,	,	,	
etering cabinet L/2019/134 - Full application for the erection of 8 apartments	IOA CC Planning Portal	I High	Infrastructure Building/housing	2019, granted									35.6 31.5	· ,					<u>.</u>	<u>.</u>	<u>.</u>	-	<u> </u>	
125 - Erection of 8 no. dwellings	Flintshire County Council Planning Portal	High	developments Building/housing developments	2019, granted									33.8 31.6	ſ	,	,	,	,	,	,	,	'	,	f
0/0018/13/LL 7 dwellings	Gwynedd Council	Medium	Building/housing	2020,									34.2 32.3											
19/1072/11/LL 30 residential units	Planning Portal Gwynedd Council	Medium	developments Building/housing	submitted 2019,									36.0 32.4	1	!	!	!	!			<u> </u>		<u> </u>	
/2018/0707 - Installation of pipeline to serve existing hydro power	Planning Portal Denbighshire CC	High	developments Installation of upgrade of	submitted 2018, granted									41.7 32.7	,									<u> </u>	<u>'</u>
ation 1530 - Residential development of 95 dwellings	Planning Portal Flintshire County	Medium	cables and pipelines Building/housing	2020,									35.9 32.8	'										
10000470 File and a feet beautiful for the control of the William	Council Planning Portal		developments	submitted										f	f	f	f	f	f	f	ſ	f	ſ	ſ
L/2019/172 - Full application for the erection of 6 dwellings 150 - Construction of a 2.5 MW flexible gas fired power plant	IOA CC Planning Portal Flintshire County	High	Building/housing developments	2019, granted									38.6 32.9 35.2 32.9	f	f	r	f	r	ſ	ſ	f	f	ı	ſ
	Council Planning Portal	High I	Other energy generation infrastructure	2019, granted									35.2 32.9	f	f	r	f	r	r	r	r	r	r	f
93 - Outline applicatio for the demolition of existing dwellings derection of 7 no. dwellings	Flintshire County Council Planning Portal	High I	Building/housing developments	2020, granted									35.6 33.0	ſ	r	r	r	r	r	r	f	ı	r	f
2018/0814 - Installation of a 19.2 m high 6 kW wind turbine	Denbighshire CC Planning Portal	High	Other energy generation infrastructure	2018, granted									42.2 33.3	f	f	r	f	f	r	r	f	r	ı	r
13 - Construction and operation of a 213 space car park	Flintshire County Council Planning Portal	High I	Building/housing developments	2018, granted									35.9 33.6	f	f	r	f	r	r	r	r	ı	r	r
/2019/207 - Full application for the erection of 15 dwellings	IOA CC Planning Portal	High	Building/housing developments	2019, granted									41.6 33.8	f	f	r	f	r	f	f	r	f	ſ	f
7/2020/11 - Outline application for the erection of 9 affordable veilings	IOA CC Planning Portal	Medium	Building/housing developments	2020, submitted									41.2 35.4	ſ	f	f	f	f	f	f	ſ	f	ſ	ſ
L/2020/150 - Full application for the erection of 9 dwellings	IOA CC Planning Portal	Medium	Building/housing developments	2020, submitted									41.8 36.0	ſ	f	ſ	f	ſ	ſ	ſ	f	r	f	f
779 - Erection of 70 no. new dwellings	Flintshire County Council Planning Portal	High I	Building/housing developments	2017, granted									38.3 36.2	ſ	r	ı	r	r	r	r	f	ı	r	r
/2019/239 - Full application fot the erection of 6 dwellings	IOA CC Planning Portal	High	Building/housing developments	2019, granted									42.2 36.3	f	f	r	f	r	r	r	r	r	ı	f
L/2019/124 - Full application for the erection of 5 open market vellings and 1 affordable dwelling	IOA CC Planning Portal	Medium	Building/housing developments	2019, submitted									41.3 36.3	ſ	f	ſ	f	ſ	r	r	ſ	r	ı	r
20/0041/04/LL - 5 holiday pods and associated works	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									46.4 37.0	f	f	f	f	f	f	f	f	f	f	ſ
/2020/87 - Erection of 12 market housing dwellings and 4 ordable dwellings	IOA CC Planning Portal	Medium	Building/housing developments	2020, submitted									42.1 37.1	f	f	ſ	f	ſ	r	r	f	ſ	f	f
/2020/153 - Construction of an industrial estate, comprising total or space ca. 26,914 sqm			Building/housing developments	2020, submitted									42.2 37.3	ſ	f	f	f	f	ſ	ſ	f	f	ſ	f
./2020/153 - Construction of an industrial estate, comprising total orspace ca. 26,914 sqm			Installation or upgrade of raods	s 2020, submitted									42.2 37.3	ſ	f	f	f	f	ſ	ſ	f	f	ſ	f
R/2020/46 - Construction of an industrial estate, comprising total orspace ca. 26,914 sqm	IOA CC Planning Portal		Building/housing developments	2020, submitted									42.2 37.3	f	f	f	f	f	f	f	f	f	ı	f
2/2019/6 - Full application under Section 37 of the Electricity Act 39 to upgrade the existing overhead supply to a mainline	IOA CC Planning Portal	High	National Grid enabling works	2019, granted									44.1 39.8	f	f	f	f	f	f	f	f	r	ı	f
9/1045/18/LL - 18 touring units and associated facilities	Gwynedd Council Planning Portal	High	Building/housing developments	2020, granted									43.4 39.9	r	ſ	r	ſ	r	ı	ı	ı	r	ı	ſ
Ifa Newydd Nuclear Power Station	National Infrastructure Planning Website	Medium	Nuclear power station	2020, submitted									48.7 40.3	f	ı	r	ı	f	r	r	ı	ı	f	ſ
0/0494/20/LL - 208 holiday lodges, 51 holiday apartments	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									44.4 40.6	ſ	f	f	f	f	ſ	ſ	ſ	,	ı	ı
yn Rhonwy Pumped Storage	National Infrastructure Planning Website	High	Pumped storage	2017, granted									42.8 40.7	ſ	r	ı	r	r	,	,	ſ	c	c	ı
0/0538/03/LL - 6 dwellings	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									47.6 41.5	f	f	f	f	f	f	f	r	f	1	f
0/0647/26/LL - Reinstatement of bridge and surface of access	Gwynedd Council Planning Portal	Medium	Installation or upgrade of roads										45.4 42.9	f	f	ſ	f	ſ	ſ	ſ	ſ	ſ	ſ	f
10/0190/19/AC - Works associated with the Bontnewydd bypass	Gwynedd Council Planning Portal	Medium	Installation or upgrade of roads										47.1 43.7	f	ſ	ſ	ſ	ſ	ſ	ſ	ſ	f	ſ	f
L/2020/168 - Full application for the siting of 31 touring caravans id siting of 6 camping pods	IOA CC Planning Portal	Medium	Building/housing developments	2020, submitted									52.3 46.0	f	ſ	r	ſ	r	ſ	ſ	ſ	ſ	ı	r
20/0562/24/LL - Erection of dwelling and installation of treatment ant	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									49.2 46.3	ſ	ſ	ſ	ſ	ſ	ı	ı	ſ	ı	ı	ı
R/2020/12 - Screening opinion for the erection of a silage clamp ad manure shed together with the installation of a new treatment		Medium	Building/housing developments	2020									53.9 46.5	ſ	f	r	f	ſ	ı	ı	ſ	ı	ſ	f
ant (EIA req.) IL/2019/157 - Full application fo the erection of 50 seated	IOA CC Planning Portal	High	Building/housing	2019, granted									53.6 47.3											,

					Construction	Period (re	ed outlir	ne denotes	Awel y N	vlör offshor	e construction	period)													
Project/Planning Application	Data Source(s)	Data Confidence Assessment	Notes	Date of Application and Status of Development	2020	2022	2023	2024	2026	2027	2028	2030	Distance (km)	e to ES ECC Distance to ES Draft Order Limits (km)	Terrestrial Ecology and Nature Conservation	Archaeology and Cultural Heritage	Airborne Noise and Vibration	Traffic and Transport	Air Quailty	Hydrology, Hydrogeology and Flood Risk	Geology and Ground Conditions	Landscape and Visual Impacts	Socioeconomic	Tourism and Recreation	Public Health
FPL/2020/149 - Full application for the erection of 8 affordable dwellings	IOA CC Planning Portal	Medium	Building/housing developments	2020, submitted									53.7	47.4	f	f	ſ	f	f	f	f	f	f	f	r
C19/1089/22/LL - 12 dwellings	Gwynedd Council Planning Portal	Medium	Building/housing developments	2019, submitted									54.0	51.3	f	ſ	r	r	r	r	f	f	r	f	,
C20/0362/08/LL - Erection of 100 seat spectator stand	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									57.9	52.1	f	ſ	r	r	r	r	f	f	r	f	r
SCR/2019/33 - Screening opinion for the development of an operation of a gas fuelled fast response standby electricity generation plant (7.5 MW) (EIA not required)	IOA CC Planning Portal	Medium	Other energy generation infrastructure	2019									59.7	52.4	f	ı	f	f	ı	f	r	ſ	f	f	f
C20/0519/08/SC - Screening opinion - undergrounding of 3 km of line, removal of pylons, erection of tunnel head houses	Gwynedd Council Planning Portal	Medium	National Grid enabling works	2020									58.8	52.9	ſ	ſ	f	ſ	f	f	ſ	f	f	f	r
SCR/2020/1 - Screening opinion for the erection of 30 dwellings (EIA not req.)	IOA CC Planning Portal	Medium	Building/housing developments	2020									60.4	53.0	ſ	f	f	ſ	f	f	ſ	f	f	f	f
SCR/2019/70 - Screening opinion for the re-building of the marina (EIA req.)	IOA CC Planning Portal	Medium	Building/housing developments	2019									60.8	53.1	ſ	f	f	ſ	f	f	ſ	f	f	f	f
SCO/2020/4 - Scoping opinion for a mixed-use development	IOA CC Planning Portal	Medium	Building/housing developments	2020									61.0	53.4	f	ſ	f	f	r	f	f	f	f	f	f
FPL/2019/341 - Full application for the erection of 26 dwellings	IOA CC Planning Portal	High	Building/housing developments	2019, granted									61.3	53.7	ſ	f	f	ſ	f	f	ſ	f	f	f	f
C20/0244/08/LL - Construction of tunnel head house, sealing end compound, remocal of 10 pylons	Gwynedd Council Planning Portal	Medium	National Grid enabling works	2020, submitted									59.8	54.2	ſ	f	f	ſ	f	f	ſ	f	f	f	f
C20/0621/35/LL - Mixed use development - restaurant, bar, small scale retail, 4 aparthotel	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									64.7	62.0	f	f	f	r	r	r	f	f	r	f	1
C19/0890/35/MG - 7 living units	Gwynedd Council Planning Portal	High	Building/housing developments	2020, granted									64.8	62.2	ſ	f	f	ſ	f	f	ſ	f	f	f	f
C20/0354/40/DA - Revision of solar farm layout/access track reduction	Gwynedd Council Planning Portal	High	Other energy generation infrastructure	2020, granted									69.5	67.0	f	f	f	r	r	r	f	f	r	f	1
C20/0130/40/LL - Removal of treatment tanks and installation of aeration, chemical and sludge storage tanks	Gwynedd Council Planning Portal	High	Building/housing developments	2020, granted									69.5	67.2	f	ſ	f	f	r	f	f	f	f	f	f
C19/1197/02/LL - 11 touring units	Gwynedd Council Planning Portal	Medium	Building/housing developments	2019, submitted									79.6	70.3	f	ſ	f	f	r	f	f	f	f	f	f
C19/0858/45/LL - 3 storey residential buildings - 56 units	Gwynedd Council Planning Portal	High	Building/housing developments	2019, granted									74.5	72.2	f	f	f	f	f	f	f	f	f	f	f
C19/1174/42/LL - 6 dwellings	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									76.5	73.1	ſ	f	r	ſ	f	ſ	f	f	ſ	f	f
C19/1204/39/LL 6 holiday let apartments	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									83.8	81.4	f	ſ	r	ſ	f	ſ	ſ	f	ſ	f	f
Future Wales: The National Plan (2040) - Pre-Assessed Areas for Wind Energy no. 1 and no. 2	Denbighshire Consultation Response	High	Other energy generation infrastructure	N/A									111.402	105.4											
C19/0950/21/LL - 30 dwellings	Gwynedd Council Planning Portal	Medium	Building/housing developments	2020, submitted									153.4	145.8	f	f	f	f	f	f	f	f	f	f	f

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