

## **Environmental Statement**

Volume 3, Annex 5.1: Cumulative effects screening matrix





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# **Glossary**

Term	Meaning
Cumulative effect	A combined effect of the Morgan Generation Assets acting cumulatively with the effects of a number of different projects, on the same single receptor/resource.
Cumulative impact	Impacts that result from changes caused by other past, present or reasonably foreseeable actions together with the Morgan Generation Assets.

# **Acronyms**

Acronym	Description
AtoN	Aid to Navigation
CEA	Cumulative Effects Assessment
DAERA	Department of Agriculture, Environment and Rural Affairs
EMODnet	European Marine Observation and Data Network
GHG	Greenhouse Gas
IMO	International Maritime Organization
MHWS	Mean High Water Springs
MLWS	Mean Low Water Springs
MMO	Marine Management Organisation
MOD	Ministry of Defence
NATS	National Air Traffic Services
NRW	Natural Resources Wales
NSTA	North Sea Transition Authority
PEIR	Preliminary Environmental Information Report
PEXA	Practice and Exercise Area
TCE	The Crown Estate
UKCS	UK Continental Shelf
UXO	Unexploded Ordnance
VTS	Vessel Traffic Services

# **Units**

Unit	Description
mm	Millimetre
m	Metre
m <sup>3</sup>	Cubic metre
km	Kilometre

Document Reference: F.3.5.1



Unit	Description
km <sup>2</sup>	Square kilometre
kW	Kilowatt
kV	Kilovolt
MW	Megawatt
GW	Gigawatt
GWh	Gigawatt hour
TWh	Terawatt hour



# 1 Cumulative effects screening matrix

#### 1.1 Introduction

- 1.1.1.1 The cumulative effects screening matrix sets out the long list of relevant projects, plans and activities with which the Morgan Offshore Wind Project: Generation Assets (hereafter Morgan Generation Assets) may interact to produce a cumulative effect. This document provides an update to the cumulative effects screening matrix that was published within the Preliminary Environmental Impact Report (PEIR).
- 1.1.1.2 The key components of the Morgan Generation Assets include offshore wind turbines, foundations (for wind turbines and Offshore Substation Platforms (OSPs)), OSPs, scour protection, cable protection, inter-array cables linking the individual wind turbines to the OSPs, and the High Voltage Alternating Current (HVAC) transmission system including, OSPs and offshore interconnector cable(s).
- 1.1.1.3 The screening matrix underpins the Cumulative Effects Assessment (CEA) for the Morgan Generation Assets with individual screening undertaken for each topic within the Environmental Statement. This screening identifies the projects, plans and activities where there is potential for a cumulative effect from the construction, operations and maintenance, or decommissioning phases of the Morgan Generation Assets on the identified topic receptors. Further information on the CEA methodology is provided in Volume 1, Chapter 5: EIA methodology of the Environmental Statement.
- 1.1.1.4 The screening matrix is presented within this annex to show where there is a spatial or temporal overlap with the Morgan Generation Assets.
- 1.1.1.5 It is recognised that the projects, plans and activities identified within the screening matrix are continually evolving along their individual programs. The Planning Inspectorate therefore advises that a cut off date should be identified so that the assessment can be finalised before submission. This is set out within Advice Note Seventeen, which states that 'It is understood that applicants are required to stop assessment work at a particular point in time in order to be able to finalise and submit an application. The applicant should state any assessment cut-off date' (Planning Inspectorate, 2019).
- 1.1.1.6 In accordance with the Planning Inspectorate advice the CEA long list was finalised three months before submission of the Environmental Statement.

## 1.2 Collating the offshore CEA long list

#### 1.2.1 Data sources

- 1.2.1.1 The projects, plans and activities for the CEA long list seaward of Mean High Water Springs (MHWS) were identified within search areas as defined in Table 1.1 and through a desktop interrogation of the following data sources:
  - The Crown Estate (TCE)
  - The Planning Inspectorate National Infrastructure Planning
  - Marine Scotland
  - Crown Estate Scotland
  - The Welsh Marine Planning Portal



- Natural Resources Wales (NRW)
- Irish Government
- An Bord Pleanála
- The Department of Agriculture, Environment and Rural Affairs (DAERA) (Northern Ireland)
- Isle of Man Government
- European Marine Observation and Data Network (EMODnet) data
- Centre for Environment Fisheries and Aquaculture Science (CEFAS)
- The Marine Management Organisation (MMO)
- KIS-ORCA
- Oceanwise
- 4C Offshore
- The North Sea Transition Authority (NSTA)
- National Air Traffic Services (NATS)
- Civil Aviation Authority
- Aeronautical Information Service
- Office of Gas and Electricity Markets (Ofgem)
- Developers and project proponents.

#### 1.2.2 Search areas

1.2.2.1 The CEA search area extents identified in Table 1.1 were defined based upon the extent over which cumulative effects are likely to occur. These search areas were presented within the PEIR and consulted on as part of the Section 42 consultation in April to June 2023.

Table 1.1: CEA offshore search area extents.

Project, plan and activity type	<b>CEA search area extent</b>	Justification
Aggregate and disposal including dredging	Up to 130 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from aggregate and disposal activities including dredging could occur. The maximum distance is associated with commercial fisheries receptors presented in Volume 2, Chapter 6: Commercial fisheries of the Environmental Statement.
Offshore energy including site investigations, Unexploded Ordnance (UXO) clearance and carbon capture and storage	Up to 500 km from the Morgan Generation Assets, all energy developments in UK and Irish waters.	This range presents a precautionary maximum distance at which effects from offshore energy activities could occur. The maximum distance is associated with offshore ornithology receptors presented in Volume 2, Chapter 5: Offshore ornithology of the Environmental Statement.

Project, plan and activity type	CEA search area extent	Justification
Commercial fisheries including aquaculture	Up to 200 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from commercial fishery activities could occur. The maximum distance is associated with shipping and navigation receptors presented in Volume 2, Chapter 7: Shipping and navigation of the Environmental Statement.
Oil and gas	Up to 200 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from oil and gas activities could occur. The maximum distance is associated with shipping and navigation receptors presented in Volume 2, Chapter 7: Shipping and navigation of the Environmental Statement.
Cables and pipelines	Up to 130 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from cable and pipeline activities could occur. The maximum distance is associated with commercial fishery receptors presented in Volume 2, Chapter 6: Commercial fisheries of the Environmental Statement.
Shipping including Aids to Navigation (AtNs), anchorages, pilot boarding stations, Vessel Traffic Services (VTS) areas, International Maritime Organization (IMO) routing schemes	Up to 200 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from shipping activities could occur. The maximum distance is associated with shipping and navigation receptors presented in Volume 2, Chapter 7: Shipping and navigation of the Environmental Statement.
Military, aviation and radar including Ministry of Defence (MOD) Practice and Exercise Areas (PEXAs)	Up to 200 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from military, aviation and radar activities could occur. The maximum distance is associated with shipping and navigation receptors presented in Volume 2, Chapter 7: Shipping and navigation of the Environmental Statement.
Coastal marine licences	Up to 200 km from the Morgan Generation Assets.	This range presents a precautionary maximum distance at which effects from coastal marine licence activities could occur. The maximum distance is associated with shipping and navigation receptors presented in Volume 2, Chapter 7: Shipping and navigation of the Environmental Statement.

#### 1.3 Data confidence assessment

1.3.1.1 The level of publicly available data for each project, plan and activity included in the CEA long list will be different and dependent on the development stage of the project, plan and activity. Planning Inspectorate Advice Note Seventeen recommends that 'a level of certainty, reflecting the availability of detail and information necessary for the



assessment, is assigned to each development and recorded' (Planning Inspectorate, 2019). A data confidence assessment has been assigned to each project, plan and activity in the CEA long list and is presented in each cumulative effects screening matrix below. The data confidence categories and definitions are follows:

- High Data has been obtained from the developer's website or a consenting authority's portal
- Medium Data has been obtained from the public domain but not from the developer's website or a consenting authority's portal
- Low There is a lack of robust data and information in the public domain which
  is outwith the Applicant's control.

### 1.4 Screening

- 1.4.1.1 Once the CEA long list was collated, all of the included projects, plans and activities were then individually screened with specific reference to each topic of the Environmental Statement. This screening was carried out based on the level of detail available as well as the potential for interactions with the Morgan Generation Assets on a conceptual, physical and temporal basis. Those that were screened in were then carried forward into the CEA undertaken in the relevant topic chapters of the Environmental Statement.
- 1.4.1.2 Specifically, projects, plans and activities were screened on a topic-specific basis as follows:
  - Screened into the assessment because:
    - There is a potential for a cumulative effect to exist due to a conceptual, physical or temporal (or some combination thereof) overlap between the project, plan or activity and the Morgan Generation Assets
    - The project, plan or activity was considered as part of the baseline but has an ongoing impact which has the potential to interact with the Morgan Generation Assets
  - Screened out of the assessment because:
    - The project, plan or activity was included as part of the topic baseline with no anticipated impacts therefore not considered within the CEA
    - There is no conceptual or physical effect-receptor pathway between the project, plan or activity and the Morgan Generation Assets
    - There is low data availability regarding the project, plan or activity, where the data available is not sufficient to undertake a CEA
    - There is no temporal overlap between the project, plan or activity and the Morgan Generation Assets. However, it should be noted that projects, plans or activities are not screened out automatically based on there being no direct temporal overlap (e.g. activities from other projects, plans and activities occurring immediately prior to the Morgan Generation Assets) due to the potential for some receptors to be cumulatively affected by repeat impacts across consecutive years.
- 1.4.1.3 Further information on the screening undertaken is presented in Volume 1, Chapter 5: Environmental Impact Assessment methodology of the Environmental Statement.



- 1.4.1.4 All developments that emit, avoid or sequester greenhouse gases (GHGs) have the potential to impact the atmospheric mass of GHGs as a receptor, and so may have a cumulative impact on climate change. Consequently, cumulative effects due to other specific local development projects were not individually considered for the climate change topic. Further information on the CEA undertaken for climate change are presented in Volume 2, Chapter 12: Climate change of the Environmental Statement.
- 1.4.1.5 The CEA for the human health topic was based on outputs from the other topic chapters. Therefore, projects were not screened specifically for that topic and do not appear as a separate column in the screening matrices below. Further information on the assessments relied upon for the human health CEA are presented in Volume 2, Chapter 14: Human health assessment of the Environmental Assessment.
- 1.4.1.6 Upon the completion of the screening stage described above, a list of all projects, plans and activities screened in for assessment was produced. This list is specific to each topic of the EIA process and presents all projects, plans and activities considered in each topic chapter's CEA. For the Morgan Generation Assets CEA a tiered approach consistent with the Planning Inspectorate Advice Note Seventeen has been adopted (Planning Inspectorate, 2019). This approach provides a framework for placing relative weight on the potential for each project/plan to be included in the CEA to ultimately be realised, based upon the project/plan's current stage of maturity and certainty in the project's parameters. Further information on the tiered approach is provided in Volume 1, Chapter 5: EIA methodology of the Environmental Statement.



- 1.5 Offshore cumulative effects matrix aggregate and disposal
- 1.5.1.1 The following aggregate and disposal projects, plans and activities are shown in Figure 1.1 and Figure 1.2.



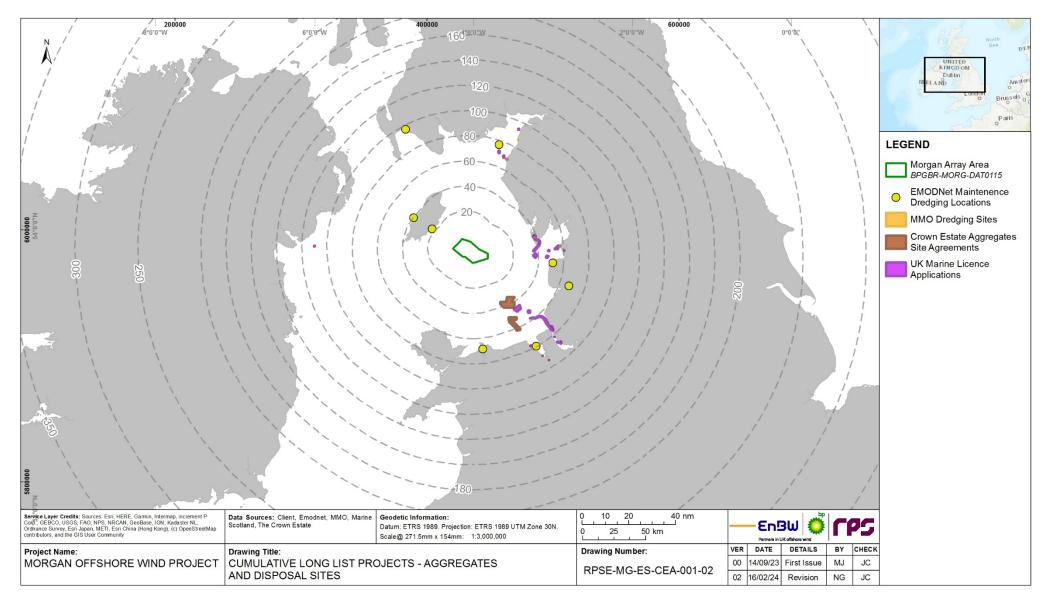


Figure 1.1: Aggregate and disposal projects, plans and activities considered in the Morgan Generation Assets CEA.



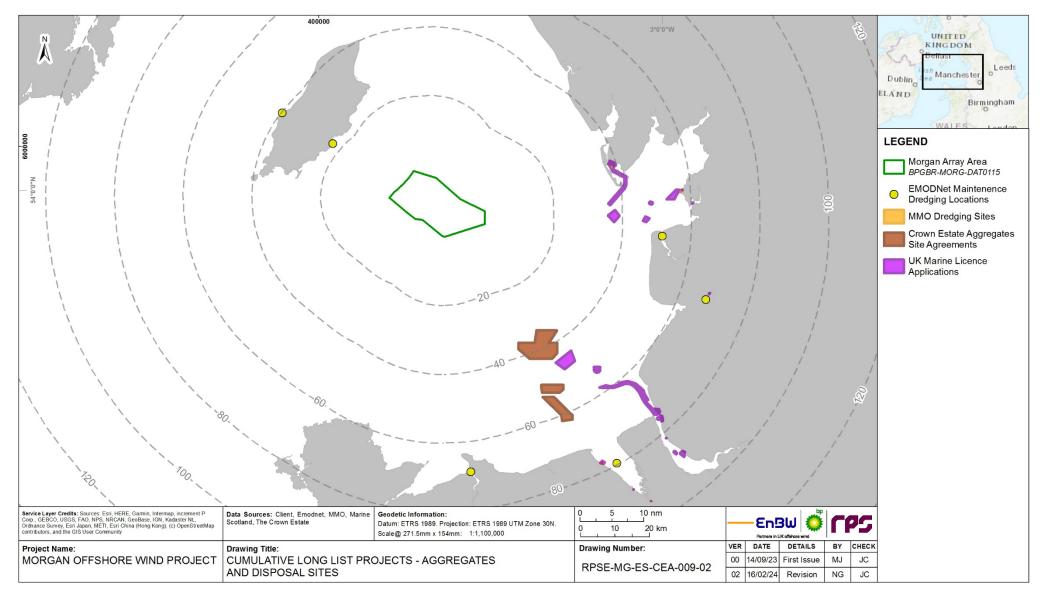


Figure 1.2: Aggregate and disposal projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to the east Irish Sea).





1.5.2 Aggregate and disposal – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data	Data confidence	Compositu/Coolo/Doogwintiam				Ass	ets	(blu	e lir	ne d atio	h the eno n As ndo	tes t	the a	antio	cipa	ted	
name	name source assessment Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055				
Castletown Bay Harbour dredging	Isle of Man (IoM) Government	High	Castletown outer harbour and channel are not dredged - Part of Millrace River within the Harbour limits is dredged every 3 years - sediment is removed to a licensed site on Island (i.e. Turkeyland).	Operational														
Catchpit – Port of Workington Maintenance Dredging	Marine Management Organisation	High	Port of Workington Maintenance Dredging MLA/2019/00168.	Submitted but not yet determined														
Channel -Derwent OSPAR area	Marine Management Organisation	High	Port of Workington Maintenenace Dreging MLA/2019/00168.	Operational														
Conwy River – Maintenance Harbour Dredging	EMODnet	Medium	Maintenance harbour dredging. Extracted amount: 2,813 tonnes.	Operational														

Project, plan or activity	Data source Confidence assessment	Capacity/Scale/Description	Status of														
name			Capacity/Scale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Cross Beck Outfall – Cumbria – Maintenance Dredging	Marine Management Organisation	High	Port of Workington Maintenenace Dreging MLA/2019/00168.	Operational													
Dee River – Maintenance Dredging	EMODnet	Medium	Maintenance Dredging. Extracted amount: 321,693 tonnes. Sea disposal.	Operational													
Disposal of dredged material from Kilkeel Harbour	DAERA	High	Sea Disposal Licence for works in Kilkeel Harbour. The vessel to be used is a hopper dredger with bottom door discharge. Quantity for disposal within the period of this licence is up to 49,999 metric tonnes.	Operational													
Disposal of Glasson Dock Maintenance Dredging	Marine Management Organisation	High	Maintenance dredging of silt in the enclosed dock at Glasson, using Grab and Hopper Barge or Grab Hopper Dredger, and disposal of dredged silt at the existing disposal site in the Lune Estuary. Dredging of up to 9,999 m³ per year.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	witl ne de ation wi	eno	tes t	the a	antio	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Disposal of maintenance dredge from nav channels & berths in Fleetwood SHA	Marine Management Organisation	High	Disposal of maintenance dredged material to maintain the navigational channel, docks and berths within ABP Fleetwood Statutory Harbour Authority Limits. Disposal at Morecambe Bay Lune deep of up to 70,000 m <sup>3</sup> per year.	Operational													
Douglas Harbour dredging	loM Government	High	Douglas outer harbour, basin and fairway are plough dredged annually, normally in January/February. The inner harbour/marina is also dredged annually, and silt is deposited at a licensed site off Douglas Head. Possible dredging works landward off the Fort Anne as part of the RNLI relocation project, no scope of works or dates confirmed. Also possible dredging works on existing RNLI site for possible windfarm deployments, again, no scope of works, design or dates confirmed.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes :	the	antic	ene cipa ructi		on
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Heysham 1 & 2 dredging activities	Marine Management Organisation	High	Maintenance at cooling water outflows for nuclear power station. The amount that may need to be removed is approximately 75,000 m³/year (105,000 dry tonnes/140,000 wet tonnes).	Operational													
Heysham 1 Power Station	Marine Management Organisation	High	Heysham nuclear power station is operated by EDF Energy in Heysham, Lancashire, England. The site is divided into two separately managed nuclear power stations, Heysham 1 and Heysham 2, both with two reactors of the advanced gas-cooled reactor type.	Operational													
Heysham Harbour and Approaches Maintenance Disposal License	Marine Management Organisation	High	10 renewal of maintenance disposal licenses for the approaches and harbour of Heysham Port. Dredging at Heysham harbour up to 356,714 m³ of sand and 235,058 m³ of silt. Dredging at the Heysham approaches up to 293,764 m³ of sand. Disposal of silt and sand.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	ıe liı	ne d atio	eno	tes i	the	antio	ene cipa ucti		n
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Hilbre Swash– Aggregates Site Agreement	The Crown Estate	High	Aggregates site agreements.  Area: 21.8 km².	Operational													
Liverpool 2 and River Mersey Approach Channel Dredging	Marine Management Organisation	High	Marine licence for a new ferry terminal and associated infrastructure. Infill of dock area of 20,000 m³ for West waterloo dock and 4,000 m³ for Princes half-tide dock. Installation of linkspan bridge and floating pontoon. Installation of passenger access system. Berthing dolphin (including access walkway & pile). Installation of retaining wall structure. Partial removal of West Waterloo Dock gate. General repairs and maintenance to dock walls. Disposal of dredge material.	Operational													
Liverpool Bay – Aggregates Site Agreement	The Crown Estate	High	The Crown Estate area number: 1808 - Aggregates site agreements. Area: 64.8 km².	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne de ation	eno	tes i	the	antio	ene cipa ructi		on
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Liverpool Bay – Aggregates Site Agreement	The Crown Estate	High	The Crown Estate area number: 457 - Aggregates site agreements. Area: 13.9 km².	Operational													
Liverpool Bay Area 457 - Westminster Gravels Aggregate Extraction Licence	Natural England	Medium	Westminster Gravels will be renewing their aggregate extraction licence in Area 457 in Liverpool Bay. Their Environmental Statement is planned to be submitted in 2024.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	wit ne d atio wi	eno	tes t	the a	antic	cipa	ted	on
name	source	assessment	Supucity/Coulc/Doscription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Liverpool Docks Maintenance Disposal	Marine Management Organisation	High	Disposal of maintenance dredge material for the Mersey estuary.  Disposal of up to 36,000 m³ for Seaforth dock, 240,000 m³ for Canada dock, 102,000 m³ for Gladstone dock, 18,000 m³ for Langton dock, 15,000 m³ for Sandon dock. Dredging of 200,000 m³ at Seaforth dock, 80,000 m³ at Birkenhead east float, 200,000 m³ at Canada Dock, 30,000 m³ at Huskisson dock, 50,000 m³ at Langton dock, 15,000 m³ at Sandon dock, 850,000 m³ at Gladstone dock.	Operational													
Liverpool Marina Maintenance Dredging - Sustainable Relocation of Dredged Material to the River Mersey	Marine Management Organisation	High	Maintenance dredging for the Brunswick and Coburg dock. Dredging of up to 98,000 m <sup>3</sup> .	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	with ne do ation wi	eno	tes i	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Luce Bay disposal site	EMODnet	Medium	Disposal of dredge material at Luce Bay.	Operational													
Maintenance Dredging and Disposal of Garston Approach Channel and Garston Docks 1	Marine Management Organisation	High	Dredging to maintain navigation depths requried for the approach channel at Garston Docks.  Dredging of the approach channel up to 171,87 m³ per year. Dredging in the dock up to 63,461 m³ per year. Disposal of up to 355,000 m³ per year.	Operational													
Mersey Channel and River Maintenance Dredge Disposal Renewal	Marine Management Organisation	High	This licence is for the disposal only of that material to four designated disposal sites: Mersey Mid river (IS120) 1,500,000 m³, Mersey of Bromborough 2 (IS128) 8,000,000m³, Site Z (IS140) 21,000,000 m³ and 1,350,000 m³, Site Y (IS150).47,500,000 m³ and 1,350,000 m³.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	sets	(blu	e lir	ne d atio	eno	tes i	the	anti	iene cipa ructi	ted	on
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Mostyn Maintenance dredging	Welsh Marine Planning Portal	High	Dredge and/or disposal. 2,700,000 m³ per year.	Operational													
Peel Harbour dredging	EMODnet	High	Capital harbour dredging and maintenance dredging extracting 400,000 m <sup>3</sup> annually.	Operational													
Peel Harbour dredging	Marine Management Organisation	High	Port of Workington Maintenenace Dreging MLA/2019/00168.	Operational													
Port of Barrow maintenance dredging disposal licence	Marine Management Organisation	High	Dredging is required to maintain the Port of Barrow and its approach channel at its advertised navigational depth for all vessels entering and leaving the port and in particular to allow the nuclear-powered submarines which are constructed in Barrow to safely leave the port.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	e lir	ne d atio	eno	tes i	the	n G antionstr	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Port of Workington Maintenance Dredging	Marine Management Organisation	High	Dredging to maintain navigation depths required for the Port of Workington. Dredging within the dock up to 66,000 m³. Dredging of the Turning Basin up to 700,000 m³. Dredging of the channel up to 800,000 m³. Dredging of the bar/wedge up to 850,000 m³. Disposal at Solway firth up to 153,000 m³ per year, Disposal at Workington Anchorage up to 1,080,000 m³ per year. Dredging of catchpit up to 50,000 m³.	Operational													
Ribble Link Dredging	Marine Management Organisation	High	Maintenance dredging along the Ribble Link Canal. Dredging of up to 30,000 m <sup>3</sup> .	Operational													
Ribble River – Maintenance Dredging Disposal	EMODnet	Medium	Maintenance Harbour Dredging. Sea disposal.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes i	the a	antio	cipa		on
name	source	assessment	Cupusity, Coulor Booking to the	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
RNLI Regional Infrastructure Maintenance	Welsh Marine Planning Portal	High	Regional marine licence to undertake low impact maintenance works to RNLI operated lifeboat stations and associated slipways, berths, and other infrastructure, and to RNLI beach lifeguard units and infrastructure.	Operational													
Silloth Dredge Licence Renewal	Marine Management Organisation	High	Dredging and disposal at the Port of Silloth. Dredging of up to 90,000 m <sup>3</sup> .	Operational													
Solway Firth Maintenance Dredging Sea Disposal	EMODnet	Medium	Maintenance Dredging. Sea disposal.	Operational													
West of Duddon Sands Pontoon Dredging Marine Licence	Marine Management Organisation	High	Sedimentation can cause the pontoon edge adjacent to the harbour wall to be raised during spring low tides. The scope of the marine licence application covers dredging which will be required annually based on the current observed rates of accumulation.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	sets	ove (blu า Ge	e lir	ne d atio	eno	tes i	the	anti	cipa	ted	on
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
West of Duddon Sands Pontoon Dredging Marine Licence	Marine Management Organisation	High	Maintenance dredging up to 12,520 m <sup>3</sup> .	Operational													
Wyre River Maintenance Dredging Sea Disposal	EMODnet	Medium	Maintenance dredging. Sea disposal.	Operational													





1.5.3 Aggregate and disposal – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. <b>Screened out of assessment.</b>
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: <b>Screened in to assessment.</b>
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Castletown Bay Harbour dredging	29.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Catchpit – Port of Workington Maintenance Dredging	71.3	d	d	d	d	d	а	d	d	d	d	а	d	d
Channel -Derwent OSPAR area	71.3	d	d	d	d	d	d	d	d	d	d	а	d	d
Conwy River – Maintenance Harbour Dredging	68.8	d	d	d	d	d	а	а	d	d	d	а	d	d
Cross Beck Outfall – Cumbria – Maintenance Dredging	88.9	d	d	d	d	d	d	d	d	d	d	а	d	d

		Morgan Generation Assets topic screening																
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore				
Dee River – Maintenance Dredging	79.5	d	d	d	d	d	а	а	d	d	d	а	d	d				
Disposal of dredged material from Kilkeel Harbour	109.6	d	d	d	d	d	d	d	d	d	d	а	d	d				
Disposal of Glasson Dock Maintenance Dredging	88.1	d	d	d	d	d	а	а	d	d	d	а	d	d				
Disposal of maintenance dredge from nav channels & berths in Fleetwood SHA	30.1	d	f	f	d	d	d	d	d	d	d	а	d	d				
Douglas Harbour dredging	22.7	С	С	С	d	d	е	е	d	d	d	а	d	d				
Heysham 1 & 2 dredging activities	47.9	d	С	С	d	d	а	а	d	d	d	а	d	d				
Heysham 1 Power Station	57.3	d	d	d	d	d	f	d	d	d	d	а	d	d				
Heysham Harbour and Approaches Maintenance Disposal License	56.0	d	d	d	d	d	а	а	d	d	d	а	d	d				
Hilbre Swash– Aggregates Site Agreement	53.1	d	d	d	d	d	а	а	d	d	d	а	d	d				
Liverpool 2 and River Mersey Approach Channel Dredging	44.5	d	С	С	d	d	а	а	d	d	d	а	d	d				

		Morgan Generation Assets topic screening													
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
Liverpool Bay – Aggregates Site Agreement	49.6	d	f	f	d	d	а	а	d	d	d	а	d	d	
Liverpool Bay – Aggregates Site Agreement	34.3	d	f	f	d	d	а	а	d	d	d	а	d	d	
Liverpool Bay Area 457 - Westminster Gravels Aggregate Extraction Licence	34.3	d	С	С	d	d	е	а	d	d	d	d	d	d	
Liverpool Docks Maintenance Disposal	57.3	d	d	d	d	d	d	f	d	d	d	а	d	d	
Liverpool Marina Maintenance Dredging - Sustainable Relocation of Dredged Material to the River Mersey	81.5	d	d	d	d	d	а	а	d	d	d	а	d	d	
Luce Bay disposal site	97.6	d	d	d	d	d	d	d	d	d	d	а	d	d	
Maintenance Dredging and Disposal of Garston Approach Channel and Garston Docks 1	57.3	d	d	d	d	d	а	f	d	d	d	а	d	d	
Mersey Channel and River Maintenance Dredge Disposal Renewal	44.5	d	С	С	d	đ	а	а	d	d	d	а	d	d	
Mostyn Maintenance dredging	76.8	d	d	d	d	d	f	f	d	d	d	а	d	d	

		Morgan Generation Assets topic screening																
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore				
Peel Harbour dredging	39.7	d	С	d	d	d	а	а	d	d	d	ø	d	d				
Peel Harbour dredging	71.4	d	d	d	d	d	d	d	d	d	d	а	d	d				
Port of Barrow maintenance dredging disposal licence	35.9	d	С	С	d	d	а	а	d	d	d	а	d	d				
Port of Workington Maintenance Dredging	57.9	d	d	d	d	d	d	d	d	d	d	а	d	d				
Ribble Link Dredging	48.4	d	d	d	d	d	а	а	d	d	d	а	d	d				
Ribble River – Maintenance Dredging Disposal	67.9	d	d	d	d	d	а	а	d	d	d	а	d	d				
RNLI Regional Infrastructure Maintenance	88.4	d	d	d	d	d	а	а	d	d	d	а	d	d				
Silloth Dredge Licence Renewal	65.8	d	d	d	d	d	а	а	d	d	d	а	d	d				
Solway Firth Maintenance Dredging Sea Disposal	80.1	d	d	d	d	d	d	d	d	d	d	а	d	d				
West of Duddon Sands Pontoon Dredging Marine Licence	39.0	d	С	С	d	d	а	а	d	d	d	а	d	d				

Project, plan or activity name		Morgan Generation Assets topic screening													
	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
West of Duddon Sands Pontoon Dredging Marine Licence	39.1	d	С	С	d	d	а	а	d	d	d	а	d	d	
Wyre River Maintenance Dredging Sea Disposal	51.7	d	d	d	d	d	d	а	d	d	d	а	d	d	



# 1.6 Offshore cumulative effects matrix – offshore renewable energy

1.6.1.1 The following offshore energy projects, plans and activities are shown in Figure 1.3 and Figure 1.4.



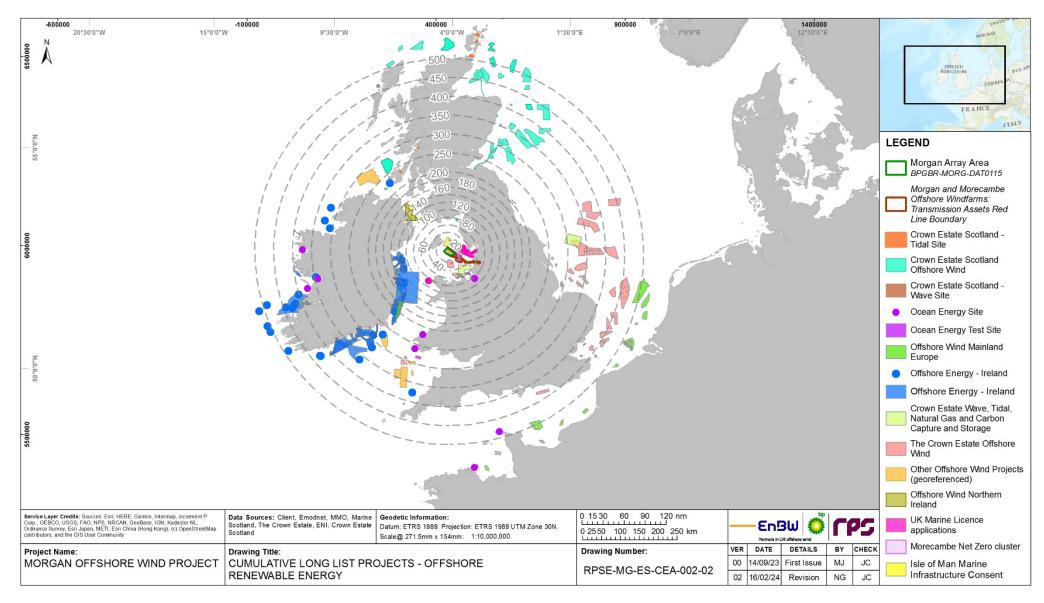


Figure 1.3: Offshore renewable energy projects, plans and activities considered in the Morgan Generation Assets CEA.



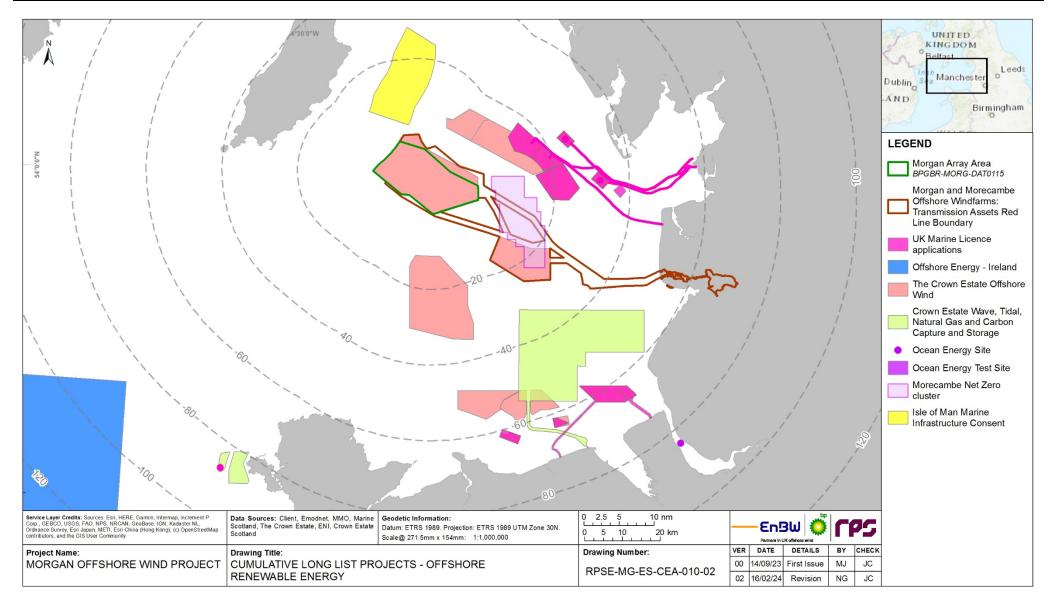


Figure 1.4: Offshore renewable energy projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to the east Irish Sea).





1.6.2 Offshore renewable energy – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu 1 Ge	ıe liı	ne d atio	eno	tes sset	the	anti	cipa	ated	
name	source	assessment	Supucity/Souls/Boscription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Aberdeen Offshore Wind farm	Crown Estate Scotland	High	Total capacity of 96.8 MW with 11 wind turbines.	Operational													
Aniar Offshore Array Phase 1 offshore wind project	Aniar Offshore Array	High	Fixed array 8.5 km from the coast. Array area roughly 120 km <sup>2</sup> .	Pre-application													
Aniar Offshore Array Phase 2 offshore wind project	Aniar Offshore Array	High	Floating array 14 km from the coast. Array area roughly 180 km <sup>2</sup> .	Pre-application													
Arklow Bank Phase 1 Offshore Wind Farm	TGS	High	Capacity of 25.2 MW.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	iene cipa ructi	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Arklow Bank Wind Park Phase 2	SSE Renewables	High	Maximum capacity of up to 800 MW.	Pre-application													
Arranmore offshore wind project	Ivernia Energy	Low	1 GW capacity.	Pre-application													
Arven Offshore Wind Farm	MainStream	High	2.3 GW floating offshore wind farm off the Shetland Isles, previously the NE1 site.	Pre-application													
Atlantic Marine Energy Test Site (AMETS) - test area A	EMODnet	Medium	Test Area A at 100 m water depth is located some 16km out from Belderra Strand. Test Area A is 6.9 km <sup>2</sup> .	Pre-application													
Atlantic Marine Energy Test Site (AMETS) - test area B	EMODnet	Medium	Test Area B at 50 m water depth is located 6 km from the strand. Test Area B is 1.5 km <sup>2</sup> .	Operational													
Awel y Môr Offshore Wind Farm	The Crown Estate	High	Capacity of 500 MW. Applicant expects consent Q3 2023. Construction to commence 2026, commissioned by 2030.	Permitted but not yet implemented													
Barrow Offshore Wind Farm	The Crown Estate	High	Capacity of 90 MW, 30 wind turbines.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	(blu	erlap ue lii ener	ne d atio	eno	tes sset	the	anti	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Barrow Offshore Wind Farm Export Cable Repair and Remediation	Marine Management Organisation	High	The proposed works include; • 5 x cable repair events, with associated jacking-up • 10 x cable remediation events (via jetting).	Operational													
Barrow Offshore Wind Farm O&M Marine Licence	Marine Management Organisation	High	Removal of marine growth and/or guano, Replacement of corrosion protection anodes, Application of paint or other coatings, Modifications to J-tubes, Replacement of access ladders - major component replacement.	Operational													
BayWa – Floating Offshore Wind Project	BayWa	High	960 MW floating offshore wind project, part of Scotwind Leasing.	Pre-application													
Beatrice Offshore Wind Farm	Crown Estate Scotland	High	Fully operational, 84 wind turbines, 588 MW installed. Operational base in Wick. Finished construction in 2019 and states expected oeprational time of 25 years.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	cipa	ted	
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Bellrock Offshore Wind Farm	Bellrock	High	Scotwind area awarded to BlueFloat Energy as part of the ScotWind leasing round. 1.2 GW	Permitted but not yet implemented													
Belwind phase 1 Offshore Wind Farm	EMODnet	Medium	The Belwind Offshore Energy Windfarm is located on the Bligh bank approximately 46 to 52 km offshore to the west of Zeebrugge in the Belgian Economic Zone of the North Sea. 165 MW capacity.	Operational													
Belwind phase 2 (Nobelwind) (Zone 1) Offshore Wind Farm	EMODnet	Medium	The Belwind Offshore Energy Windfarm is located on the Blighbank approximately 46 to 52 km offshore to the west of Zeebrugge in the Belgian Economic Zone of the North sea.	Operational													
Belwind phase 2 (Nobelwind) (Zone 2) Offshore Wind Farm	EMODnet	Medium	The Belwind Offshore Energy Windfarm is located on the Blighbank approximately 46 to 52 km offshore to the west of Zeebrugge in the Belgian Economic Zone of the North sea.	Operational													
Berwick Bank Wind Farm	Crown Estate Scotland	High	Capacity of 4.1 GW.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	erlap ue lii ener	ne d atio	leno	tes sset	the	anti	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Blackwater Offshore Wind Farm	Flotation Energy	High	Blackwater is a 1,500 MW floating offshore wind farm located in the Celtic Sea, offshore County Wexford. Planning permission expected 2026. Full commissioning expected 2030. 83 to 100 turbines.	Pre-Application													
Bluemull Sound Tidal Array	Scottish Government	High	The Shetland Tidal Array, 6 100 kW tidal turbines.	Operational													
Blyth Demo Offshore Wind Farm Phase 1	The Crown Estate	High	41.5 MW, five wind turbines. Area - 3.6 km <sup>2</sup> .	Operational													
Blyth Demo Offshore Wind Farm Phases 2&3	The Crown Estate	High	Planned capacity of 58.4 MW, up to five wind turbines. Area - 15.2 km <sup>2</sup> .	Submitted but not yet determined													
Bore Array offshore wind project	Bore Array Ltd.	High	Offshore wind farm off the coast of Wexford county. Capacity of up to 500 MW.	Pre-application													
Borssele Kavel I Offshore Wind Farm	EMODnet	Medium	Capacity of 752 MW. Fully functional since November 2020. 94 8 MW wind turbines.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	(blu	erlap ue lii ener	ne d atio	eno	tes sset	the	anti	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Borssele Kavel II Offshore Wind Farm	EMODnet	Medium	Capacity of 752 MW. Fully functional since November 2020. 94 8 MW wind turbines.	Operational													
Borssele Kavel III Offshore Wind Farm	EMODnet	Medium	731.5 MW wind project located 22 km offshore the Zeeland province in the Netherlands. Began operations in 2021.	Operational													
Borssele Kavel IV - Offshore Wind Farm	EMODnet	Medium	731.5 MW wind project located 22 km offshore the Zeeland province in the Netherlands. Began operations in 2021.	Operational													
Borssele Kavel V - Offshore Wind Farm	EMODnet	Medium	Two Vestas 9.5 MW wind turbines.	Operational													
Braymore Point site investigation	Irish Government	High	Geophysical, geotechnical, wind resource and metocean, topographic, environmental surveys.	Operational													
Broadshore – Offshore Wind Project	Crown Estate Scotland	High	Scotwind area awarded to BlueFloat Energy as part of the Scotwind leasing round. 500 MW	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe li	ne d atio	leno	tes sset	the	anti	cipa		on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Buchan Deep Demo – Floating Offshore Wind Farm	Crown Estate Scotland	High	Floating offshore wind farm. Capacity of 30 MW.	Operational													
Buchan Offshore Wind Farm	Crown Estate Scotland	High	Located 75 km northeast of Fraserburgh on the Aberdeenshire Coast with a capacity of around 1GW.	Pre-application													
Burbo Bank Extension Offshore Wind Farm	The Crown Estate	High	Capacity - 258 MW - 32 wind turbines. Area 40 km <sup>2</sup>	Operational													
Burbo Bank Extension Offshore Wind Farm – Array cable repair and remediation activities	Marine Management Organisation	High	The Applicant seeks consent for up to 10 discrete array cable repair or remediation events over the lifetime of the wind farm (25 years).	Operational													
Burbo Bank Extension Offshore Wind Farm – Export cable repair and remediation activities	Marine Management Organisation	High	The Applicant seeks consent for up to 4 discrete export cable repair or remediation events over the lifetime of the wind farm (25 years).	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	wit ne d atio wi	eno	tes sset	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Burbo Bank Offshore Wind Farm	The Crown Estate	High	Capacity of 90 MW. Area - 10 km <sup>2</sup> .	Operational													
Burbo Bank Offshore Wind Farm - O&M Marine Licence for Export Cable Repair/ Remediation Activities	Marine Management Organisation	High	The Applicant seeks consent for up to four discrete export cable repair/remediation events over the remaining lifetime of the wind farm (15 years).	Operational													
Burbo Bank Offshore Wind Farm cable repair and remediation	Welsh Marine Planning Portal	High	The Applicant (DONG Energy Burbo Extension (UK) Limited) seeks consent for up to 10 discrete array cable repair or remediation events over the lifetime of the wind farm (25 years).	Operational													
Cailleach Offshore Wind Farm, Wicklow	4C Offshore	Low	Announced offshore wind project. Capacity of 1.6 GW. Spread over an area of 317 km <sup>2</sup> .	Pre-application													
Caledonia Offshore Wind Project	Ocean Winds	High	Scotwind area awarded to Ocean Wind as part of the ScotWind leasing round. 1 GW	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	ıe li	ne d atio	leno	tes sset	the	an G anti onst	cipa		
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
CampionWind Offshore Wind Project	Campion Wind	High	Scotwind area awarded to Shell New Energies as part of the ScotWind leasing round. 2 GW	Pre-application													
Celtic Horizon offshore wind project	Ocean Winds	High	Offshore wind farm off the coast of Waterford and Wexford. Envisaged capacity of up to 700 MW.	Pre-application													
Celtic One Fixed Offshore Wind Farm	ESB	Low	800 MW site. Fixed offshore wind, Phase 2 of this site is located approximately 8km south of Ballycotton off the coastline of East Cork.	Pre-Application													
Celtic Sea Array Offshore Wind Farm	Irish Government	High	1.2 GW planned capacity.	Pre-application													
Celtic Two – Floating Offshore Wind Project	ESB	Low	800 MW site. 20 wind turbines. Located approximately 27 km south of Ballycotton and beyond the 12 nm limit	Pre-Application													
Centre-Manche 1 Offshore Wind Farm	EMODnet	Medium	A 960 MW offshore wind power project, planned to exist in the English Channel.	Permitted but not yet implemented													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	an G anti onst	cipa		
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Clarus Offshore Wind Farm	Clarus	High	400 MW site.	Pre-Application													
Clarus Offshore Wind Farm - Site Investigations off Counties Kerry and Clare	Irish Government	High	Geophysical, geotechnical, arcaheological, wind resource and metocean, ecological surveys. Licence sought for 5 years.	Submitted but not yet determined													
Clogher Head Offshore Wind Farm	Irish Government	High	Planned capacity of 800 MW.	Pre-application													
Cluaran Deas Ear Offshore Wind Project	Power Technology	High	Scotwind area awarded to DEME as part of the ScotWind leasing round. 1 GW	Pre-application													
Cluaran Ear- Thuath Offshore Wind farm	Power Technology	High	A 1,008 MW offshore wind power project planned in the North Sea (Scotland).	Pre-application													
Codling Wind Park Offshore Wind Farm	Irish Government	High	Total area 125 km <sup>2</sup> . Capacity between 900 MW and 1,500 MW. Combined with Codling Wind Park Extension into one project, as per redesign presented in Scoping Report.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	wit ne d atio wi	eno	tes sset	the	anti	cipa	ited	
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Codling Wind Park site investigation Ref No. FS007045	Irish Government	High	Geophysical, Geotechnical, Fish & Shellfish surveys, Benthic & Intertidal Surveys, Archaeological surveys, Metocean and Floating LiDAR, Marine Mammal Acoustic POD survey. Proposed start date of Q4 2020/Q1 2021 for up to 36 months with a requested licence duration of 5 years.	Operational													
Cooley Point Offshore Wind Farm	Irish Government	High	Foreshore Licence application for site investigation works to inform the development of an Offshore Wind Farm. Geophysical, geotechnical, archaeology, ecology surveys.	Pre-application													
Cork offshore wind project	Floating Cork Offshore Wind	High	Over 22 km from the south coast of Ireland. Capacity of up to 1 GW.	Pre-application													
Courseulles-sur- mer Offshore Wind Farm	EMODnet	Medium	450 MW. 75 wind turbines.	Under Construction													
Deerness – Wave Energy Project	Orcadian	High	Wave energy project	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe li	ne d atio	leno	tes sset	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
DEME – Floating Offshore Wind Project	Crown Estate Scotland	High	1,008 MW floating offshore wind project, part of Scotwind Leasing.	Pre-application													
DesignPro Cahiracon Quay Tidal Energy Testing	Irish Government	High	Test site for a tidal energy device. The test devices proposed for deployment off the pier at Inishmurry (Cahiracon, Co Clare) are 60 kW devices.	Submitted but not yet determined													
Dieppe - Le Treport – Offshore Wind Farm	EMODnet	Medium	2,000 GWh of electricity a year from 2021. The estimated operational life of the wind farm is 20 years. 17 km off the coast of Dieppe. 110 km <sup>2</sup> , 62 wind turbines.	Under Construction													
Dogger Bank B (Sofia) – Offshore Wind Farm	The Crown Estate	High	Capacity of 1.4 GW. Area – 593 km².	Under Construction													
Dogger Bank C (Creyke Beck) – Offshore Wind Farm	The Crown Estate	High	Capacity of 1.2 GW, Area of around 560 km <sup>2</sup> .	Permitted but not yet implemented													
Dogger Bank South (East) – Offshore Wind Farm	RWE	High	Area of 493 km <sup>2</sup> , 1,500 MW capacity.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe lii	ne d atio	leno	tes sset	the	an G anti onst	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dogger Bank South (West) – Offshore Wind Farm	RWE	High	Area of 495 km <sup>2</sup> , 1,500 MW capacity.	Pre-application													
Dogger Bank Teeside A – Offshore Wind Farm	The Crown Estate	High	Capacity of 1.2 GW, Area of around 515 km <sup>2</sup> .	Under Construction													
DONG Energy Burbo (UK) Ltd - Operational Marine Licence Inter Array Cable Repair	Marine Management Organisation	High	A maximum of 10 inter-array cable repairs or replacements over the remaining lifetime of the project.	Operational													
Draig y Môr – Offshore Wind Farm	Wind Power	Low	Mixture of static and floating wind turbines, located off the north coast of county Donegal. Area - 1,324 km <sup>2</sup> .	Pre-Application													
Dublin Array Offshore Wind Farm	Irish Government	High	600 MW offshore wind power project. Area of 54 km².	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe lii	ne d atio	eno	tes sset	the	an G anti onst	cipa		
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dublin Array site investigation	Irish Government	High	Application for a Site Investigation Licence to carry out geophysical surveys, geotechnical surveys, ecological surveys and wind and metocean surveys	Operational													
Dudgeon Offshore Wind Farm	The Crown Estate	High	Capacity of 402 MW - 67 6 MW wind turbines.	Operational													
Dunkerque Offshore Wind Project	TGS	Medium	Offshore wind project off the coast of France, comprising a maximum of 46 wind turbines.	Pre-application													
East Anglia ONE NORTH Offshore Wind Farm	The Crown Estate	High	Offshore Wind farm - 800 MW capacity. Area - 208 km².	Permitted but not yet implemented													
East Anglia ONE Offshore Wind Farm	The Crown Estate	High	Offshore wind farm - 102 wind turbines - 714 MW capacity. Area - 300 km².	Operational													
East Anglia THREE Offshore Wind Farm	The Crown Estate	High	Offshore wind farm - up to 1,400 MW capacity. Area - 305 km²	Permitted but not yet implemented													
East Anglia TWO Offshore Wind Farm	The Crown Estate	High	Offshore wind farm - 900 MW capacity. Area - 218.4 km².	Permitted but not yet implemented													
East Celtic offshore wind project	RWE Renewables	High	Offshore wind project situated off the Wexford/Waterford coast between 9 to 36 km from shore.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe liı	wit ne d atio wi	eno	tes set	the	anti	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
EMEC Fall of Warness – Tidal Energy	EMEC	High	Tidal energy test site located to the west of the island of Eday. The site consists of 8 cabled test berths at various depths in an approximately 8 km² area.	Operational													
EMEC Shapinsay Sound – Tidal Energy	TETHYS	High	Tidal test site located in Shapinsay Sound, to the north-east of Kirkwall in water depths of 21 to 25 m.	Operational													
Endurance Carbon Capture	bp	High	Carbon Capture project. bp, Eni, Equinor, National Grid, Shell and Total have formed the Northern Endurance Partnership to develop the offshore infrastructure to transport and store millions of tonnes of carbon dioxide (CO2) emissions safely in the UK North Sea. bp acting as operator.	Submitted but not yet determined													
Energia Site Investigation off Wexford Coast	Irish Government	High	Geophysical, geotechnical, archaeology, ecological and oceanographic surveys.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe lii	ne d atio	leno	tes sset		anti	cipa	eration ated ion	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Eni Hynet – Carbon Capture Project	Eni UK Ltd.	High	CCS project in the east Irish Sea. Works will include installation of a new cable, a new Douglas CCS platform and work on the existing Hamilton, Hamilton North and Lennox wellhead platforms.	Pre-application													
ESB Celtic Offshore Wind - Site Investigations off Waterford and Cork	Irish Government	High	Geophysical, geotechnical, oceanographic and metocean, ecological and archaeological surveys.	Submitted but not yet determined													
ESB Wind Development Limited Site Investigations at Sea Stacks Offshore Wind off Dublin and Wicklow	Irish Government	High	This foreshore application relates to the Site Investigation works only. These activities are required to inform: the overall project feasibility; the conditions at site and along the cable route; the various assessments required to progress the project; and the development of the project.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	an G anti onst	cipa	ited	on
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
ESB Wind Development Limited Site Investigations off Waterford and Cork Coasts - Helvick Head Offshore Wind	Irish Government	High	Geophysical, geotechnical, oceanographic and metocean, ecological and archaeological surveys.	Submitted but not yet determined													
FabTest, Falmouth Bay – Renewable Energy Test Site	The Crown Estate	High	FabTest is a 2.8 km <sup>2</sup> non grid connected, pre-consented nursery test site for the development and testing of marine energy convertors and components as well as Autonomous systems.	Operational													
Fair Head – Tidal Array Project	The Crown Estate	High	Proposal for a 100 MW tidal array covering an approx. area of 4.2 km <sup>2</sup> to be built 1 km offshore at Fair Head. Phase 1 is up to 10 MW but no licence issued to date.	Submitted but not yet determined													
Falck Renewables - Floating	Crown Estate Scotland	High	500 MW floating offshore wind project, part of Scotwind Leasing.	Pre-application													
Fall of Warness Tidal Test Site	Scottish Government	High	Capacity of 10 MW.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	th th leno n As indo	tes sset	the	anti	cipa		
name	source	assessment	Capacity/Scale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Fecamp – Offshore Wind Farm	EMODnet	Medium	498 MW wind farm located in the English Channel, off the coast of northern France. Area - 67 km <sup>2</sup> . 22 km from shore.	Under Construction													
Five Estuaries – Offshore Wind Farm	The Crown Estate	High	149 km <sup>2</sup> Area. Galloper wind farm extension. Capacity of 353 MW.	Pre-application													
Floating Power Plant – Ireland – Offshore Wind Project	Power Technology	Medium	A 1,500 MW offshore wind project planned in the Irish Sea.	Pre-application													
Forthwind Methil Demonstration – Offshore Wind	Crown Estate Scotland	High	One wind turbine of up to 20 MW.	Operational													
Fuinneamh Sceirde Teoranta - Site Investigations for the proposed Sceirde Rocks Offshore Wind Farm	Irish Government	High	Sceirde Rocks Offshore Wind Farm is a fixed bottom offshore wind farm off the West Coast of Ireland. Foreshore licence for site investigations is to determine geotechnical, geophysical, metocean, wind resource and benthic characteristics within the Foreshore Licence Area.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	wit ne d atio wi	eno	tes sset	the	anti	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Galloper Offshore Wind Farm	The Crown Estate	High	Capacity of 353 MW, 56 wind turbines.	Operational													
Galway Bay-1 (near Spiddal)	Irish Times	Medium	Marine energy testing site.	Operational													
Galway Bay-2 (near Spiddal)	Irish Times	Medium	Marine energy testing site.	Operational													
Greater Gabbard Offshore Wind Farm	The Crown Estate	High	Capacity of 504 MW, 140 wind turbines.	Operational													
Green Volt Offshore Wind Farm	Marine Scotland	High	Expected to be operational by 2026. Scoping report submitted. Capacity of 1 GW.	Pre-application													
Greystones Offshore Wind Farm	Flotation Energy	High	Greystones is a 1,000 MW fixed offshore wind farm located in the Irish Sea, southeast of Dublin.	Pre-Application													
Gunfleet Sands Demo	The Crown Estate	High	12 MW capacity.	Operational													
Gunfleet Sands I Offshore Wind Farm	The Crown Estate	High	108 MW capacity. 17.5 km² area between both Gunfleet Sands projects.	Operational													
Gunfleet Sands II Offshore Wind Farm	The Crown Estate	High	64.8 MW capacity. 17.5 km <sup>2</sup> area between both Gunfleet Sands projects.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	cipa		
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Gwynt Glas – Floating Offshore Wind Project	EDF	High	300 MW site prospective floating offshore wind farm being investigated between 10 to 25 km from the coast of Pembrokeshire.  Site area of approx. 94 km <sup>2</sup> . 15 to 20 wind turbines.	Pre-Application													
Gwynt y Môr Offshore Wind Farm	The Crown Estate	High	Capacity of 576 MW, 90 km <sup>2</sup> area.	Operational													
Harris Demonstration Zone	EMODnet	Medium	The Islay and Harris development sites, overall capacity of 100 MW.	Pre-application													
Havbredey – Floating Offshore Wind Project	Northland Power ScotWind	High	Previously known as N4, near the Outer Hebrides.	Pre-application													
Haven Offshore Array Wind Farm	Haven	High	Wind farm off the north coast of Ireland.	Pre-Application													
Hollandse Kust (West) – Offshore Wind Project	EMODnet	Medium	Capacity of 1,400 MW. Area - 176 km².	Pre-application													
Hollandse Kust D  – Offshore Wind  Project	EMODnet	Medium	Construction scheduled to be complete in 2023. 1.5 GW capacity.	Under Construction													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu n Ge	ıe li	ne d atio	leno	tes sset	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Hollandse Kust F  – Offshore Wind Project	EMODnet	Medium	Construction scheduled to be complete in 2023. 1.5 GW capacity.	Under Construction													
Holyhead Deep – Tidal Energy	The Crown Estate	High	Proposed 60 unit, 80 MW capacity tidal energy site.	Pre-application													
Holyhead Deep Project , Safety Zone Application	Marine Management Organisation	High	Safety zone application for the Minesto deep tidal site.	Operational													
Hornsea Project 1 Offshore Wind Farm	The Crown Estate	High	1.2 GW capacity, 407 km <sup>2</sup> area, 174 wind turbines.	Operational													
Hornsea Project 2 Offshore Wind Farm	The Crown Estate	High	1.3 GW capacity, 462 km <sup>2</sup> area, 165 wind turbines.	Operational													
Hornsea Project 3 Offshore Wind Farm	The Crown Estate	High	2.4 GW capacity, 696 km² area.	Under Construction													
Hornsea Project 4 Offshore Wind Farm	The Crown Estate	High	Hornsea Four is an offshore wind farm which Ørsted is proposing to develop in the North Sea, approximately 69 km off the Yorkshire Coast.	Permitted but not yet implemented													
Humber Gateway Offshore Wind Farm	The Crown Estate	High	219 MW capacity, 73 wind turbines. Area - 35 km².	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	iene cipa ruct	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
ljmuiden Ver Wind Farm Zone	EMODnet	Medium	62 km off the west coast of the Netherlands. An application period is planned for 2025.	Pre-application													
Inch Cape Offshore Wind Farm	Crown Estate Scotland	High	72 wind turbines, capacity of 1.1 GW.	Under Construction													
Inch Cape Offshore Wind Farm Transmission	Inch Cape Wind	High	The offshore transmission assets for the Inch Cape wind farm.	Under Construction													
Inis Eagla Marine Energy Park Ltd site investigations	Irish Government	High	Site Investigations relating to a potential offshore wind farm at Inis Ealga, Cork.	Submitted but not yet determined													
Inis Ealga Marine Energy Park	dp Energy	Low	Expected to have a capacity of 1 GW. Floating offshore wind.	Pre-application													
Inis Offshore Wind Munster	Inis Offshore Wind	High	100 MW site.	Pre-Application													
Inner Dowsing Offshore Wind Farm	The Crown Estate	High	97.2 MW Capacity.	Operational													
Isle of Islay – Offshore Wind Project	EMODnet	Medium	The Islay and Harris development sites, overall capacity of 100 MW.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe lii	ne d atio	leno	tes sset	the	anti	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Kentish Flats Extension Offshore Wind Farm	The Crown Estate	High	49.5 MW capacity. Area - 49.5 km².	Operational													
Kentish Flats Offshore Wind Farm	The Crown Estate	High	90 MW capacity.	Operational													
Kilmichael Point Offshore Wind Farm	Irish Government	High	Concept/early planning offshore wind farm . 500 MW capacity.	Pre-application													
Kincardine – Floating Offshore Wind Project	Crown Estate Scotland	High	50 MW floating offshore wind farm.	Pre-application													
Latitude 52 Array  – Offshore Wind  Project	4C Offshore	Low	Planned capacity is up to 1 GW, spread over 300 km <sup>2</sup> .	Pre-application													
Lincs Offshore Wind Farm	The Crown Estate	High	Capacity of 270 MW. Area - 35 km <sup>2</sup> .	Operational													
Lir offshore wind project	Lir Offshore Array	High	Offshore wind project off the coast of Louth/Meath/Dublin.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	iene cipa ruct	ted	on
name	source	assessment	Supucity/Could/200011ption	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Llyr 1 Offshore Wind Project	NRW	High	100 MW offshore wind power project. It is planned in Celtic Sea, Wales, the UK. Scoping Report has been submitted. Post completion of the construction, the project is expected to get commissioned in 2026.	Pre-Application													
Llyr 2 Offshore wind Project	NRW	High	100 MW offshore wind power project. It is planned in Celtic Sea, Wales, the UK. Scoping Report has been submitted. Post completion of the construction, the project is expected to get commissioned in 2026.	Pre-Application													
Llywelyn Offshore Wind Project	Llywelyn Wind	High	100 MW site. Up to eight wind turbines, off of the Pembrokeshire oast. Scoping report submitted.	Pre-Application													
Loch Garman Offshore Wind Farm	Loch Garman	High	100 MW offshore wind power project off the coast of County Wexford.	Pre-Application													
London Array Offshore Wind Farm	The Crown Estate	High	630 MW capacity. Area - 122 km².	Operational													
Lynn Offshore Wind Farm	The Crown Estate	High	97.2 MW capacity.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	ıe li	ne d atio	eno	tes sset	the	an G anti onst	cipa		
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Mac Lir offshore wind project	Mac Lir Offshore Wind Ltd.	High	Over 22 km offshore the east coast of Ireland. Potential capacity of over 700 MW.	Pre-Application													
Machair Wind – Hybrid Energy Project	Crown Estate Scotland	High	3,000 MW site. wind-SMR (Small Modular Reactor) and hydrogen production hybrid energy project.	Pre-Application													
Magnora – Offshore Wind Project	Crown Estate Scotland	High	495 MW offshore wind project, part of Scotwind Leasing. Mixed fixed and floating turbines.	Pre-application													
Mainstream Renewable Power Ltd - Site Investigations off Tralee	Irish Government	High	Geophysical, geotechnical, metocean, benthic subtidla and intertidal, fish and shellfish, passive accoustic monitoring, boat based visual surveys.	Submitted but not yet determined													
Mainstream, Renewable Power Ltd- Site Investigations off Co, Dublin	Irish Government	High	Foreshore licence for site investiation and survey including geophysical, geotechnical, metocean survey, benthic surveys, fish and shellfish surveys, PAM monitoring and boat based survey for birds and mammals	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	an G anti onst	cipa	ated	
Malin Sea Wind  Mara Mhor Offshore Wind Farm	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Malin Sea Wind	Crown Estate Scotland	High	100 MW floating offshore wind project off the coast of Northern Ireland.	Pre-application													
Offshore Wind	Muir Mhor	High	798 MW offshore wind power project planned in North Sea, Scotland.	Pre-application													
Marine Energy Test Areas (META)	The Crown Estate	High	Site for testing wave and tidal devices.	Operational													
MarramWind	Power Technology	High	Scotwind area awarded to Scottish Power Renewables as part of the ScotWind leasing round. 3 GW	Pre-application													
Merlin – Floating Offshore Wind Project	The Wind Power	High	1,000 MW proposed capacity.	Pre-Application													
Mermaid Offshore Wind Farm	SeaMade	Medium	487 MW offshore wind project.	Operational													
Mersey Tidal Power	EMODnet	Medium	Planned tidal project in the River Mersey, at Least 1 GW capacity, 2 TWh annual generation.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	o wit ne d ratio wi	lenc	tes sset	the	anti	cipa	ted	
name	source	assessment	Capacity Could Document	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
META Phase 2 demonstration zones	The Crown Estate	High	META Open Water offers sites for accessible, non-grid connected, real-sea testing. The sites are located within or adjacent to the Milford Haven Waterway enabling lessons to be learnt quickly and cheaply. Warrior Way, Dale Roads and East Pickard Bay. Tidal, Wave and floating wind test sites.	Operational													
MeyGen Tidal Energy Project	SAE Renewables	High	398 MW of installed tidal stream energy capacity.	Operational													
Mona Offshore Wind Project	EnBW and bp	High	Application for the 1.5 GW Mona Offshore Wind Project in the east Irish Sea.	Submitted but not yet determined													
Moneypoint One offshore wind project	ESB	High	16 km from the Clare/Kerry coast, estimated up to 400 MW capacity	Pre-application													
Mooir Vannin	4C Offshore	High	Proposed offshore wind farm comprising up to 100 wind turbines.	Pre-application													
Moray East Offshore Transmission Connection	Transmission Investment	High	Offshore transmission assets for Moray East.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu n Ge	ıe lii	ne d atio	eno	tes sset	the	anti	cipa	ited	
name	source	assessment	Supucity/Coulo/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Moray Offshore Windfarm (East)	Crown Estate Scotland	High	950 MW offshore wind project located in the Firth of Forth.	Operational													
Moray West Offshore Transmission Connection	Ofgem	High	Offshore transmission assets for Moray West.	Under Construction													
Moray West Offshore Wind Farm	Crown Estate Scotland	High	225 km <sup>2</sup> offshore wind farm.	Under Construction													
Morecambe Net Zero Cluster	NSTA	High	Spirit Energy are planning to convert their depleted South Morecambe and North Morecambe gas fields and Barrow Terminals into a carbon storage cluster.	Pre-application													
Morecambe Offshore Windfarm Generation Assets	Flotation Energy	High	Generation assets of the Morecambe Offshore Windfarm.	Pre-application													
Morven Offshore Wind Project	EnBW and bp	High	Application for the generation assets of the 1.5 GW Morgan Offshore Wind Project in the east Irish Sea.	Pre-application													

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name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Morwind – Floating Offshore Wind Project	The Wind Power	High	Capacity of 300 MW. Floating site.	Pre-Application													
Muir Mhòr Offshore Wind Farm	Muir Mhor	High	Scotwind area awarded to Vattenfall as part of the ScotWind leasing round. 798 MW	Pre-application													
Neart na Gaoithe Offshore Transmission Connection	Scottish Government	High	Offshore transmission assets for Neart Na Gaoithe.	Operational													
Neart Na Gaoithe Offshore Wind	Crown Estate Scotland	High	An offshore wind farm located 15.5 km off the Fife coast. 450 MW capacity.	Operational													
Ness of Duncansby	Pentland Firth Renewables	High	Proposed tidal energy site. It is anticipated that phase one of this project will have a capacity of up to 30 MW and the aim is to develop up to a further 65 MW.	Pre-application													
Nomadic offshore wind project	Simply Blue	High	Floating offshore wind farm 35 km from shore. Located between Northern Ireland and Islay, Inner Southern Hebrides. Capacity of up to 500 MW.	Pre-application													

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name	source	assessment	Capacity/Scale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Norfolk Boreas Offshore Wind Farm	Vattenfall	High	1.4 GW capacity. Area - 725 km <sup>2</sup> .	Permitted but not yet implemented													
Norfolk Vanguard East And West Offshore Wind Farm	The Crown Estate	High	1.8 GW capacity. Area - 592 km².	Permitted but not yet implemented													
Normandy, Raz Blanchard Tidal Project	Offshore Energy	Medium	17 MW tidal stream array.	Pre-application													
North Celtic Sea Offshore Wind Farm	Irish Government	High	Up to 800 MW Planned capacity.	Pre-application													
North Channel Wind 1 – Floating Offshroe Wind Project	North Channel Wind	High	Prospective floating offshore wind farm being investigated between 10 to 25 km from the coast of Northern Ireland. Site area of approx. 38 km <sup>2</sup> . Using Tension Leg platform. 5 to 7 wind turbines.	Pre-Application													
North Channel Wind 2 – Floating Offshroe Wind Project	North Channel Wind	High	Prospective floating offshore wind farm being investigated between 10 to 25 km from the coast of Northern Ireland. Site area of approx. 38 km <sup>2</sup> . Using Tension Leg platform. 5 to 7 wind turbines.	Pre-Application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu n Ge	ıe li	ne d atio	leno	tes sset	the	anti	cipa	ted	on
name	source	assessment	Capacity/Ccalc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
North Falls Offshore Wind Farm	The Crown Estate	High	504 MW capacity. Area - 150 km². Greater Gabbard extension.	Pre-application													
North Hoyle Offshore Wind Farm	The Crown Estate	High	60 MW capacity. Area - 10 km².	Operational													
North Irish Sea Array Offshore Wind Farm	Irish Government	High	Proposed offshore wind farm, 500 MW capacity.	Pre-application													
Norther Offshore Wind farm	EMODnet	Medium	44 wind turbines - maximum capacity of 370 MW.	Operational													
Northwester 2 Offshore Wind Farm	EMODnet	Medium	Northwester 2 is Parkwind's offshore wind farm completed in 2020. Located 51 km from shore in the Belgian North Sea. 23 wind turbines over 11.7 km <sup>2</sup> .	Operational													
Northwind Offshore Wind Farm	EMODnet	Medium	Offshore wind farm 38 km off Belgium. 216 MW capacity.	Operational													
Ocean Quest Tidal Turbine	EMODnet	Medium	1 MW tidal turbine.	Operational													
Ocean Winds Offshore Wind Project	Main Stream	High	1,000 MW offshore wind project, part of Scotwind Leasing.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	ıe liı	ne d atio	eno	tes sset	the	an G anti onst	cipa		
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Offshore Wind Power - Fixed	Crown Estate Scotland	High	2,000 MW offshore wind project, part of Scotwind Leasing.	Pre-application													
Operation and maintenance activities at North Hoyle Offshore Wind Farm	The Crown Estate	High	Applicant NWP Offshore Limited Marine Licence Number CML1465. The maintenance operations will take place throughout all assets of the wind farm and will include: Sub sea ROV works, and heavy lifting operations.	Operational													
Operation and maintenance activities at Rhyl Flats Offshore Wind Farm	Welsh Marine Planning Portal	High	Operations and maintenance activities including high voltage maintenance work and heavy lift work.	Operational													
Oran na Mara Tidal Energy	Crown Estate Scotland	High	1,600 MW capacity tidal energy project.	Pre-application													
Oriel Windfarm Offshore Wind Farm	Irish Government	High	375 MW capacity. Area - 28 km².	Pre-application													
Ormonde Offshore Wind Farm	The Crown Estate	High	150 MW capacity. Area - 8.7 km².	Operational													

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name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Ormonde Offshore Wind Farm Export Cable Repair and Remediation	Marine Management Organisation	High	5 x cable repair events, with associated jacking-up; and10 x cable remediation events (via jetting).	Operational													
Ormonde Offshore Wind Farm O&M Marine Licence	Marine Management Organisation	High	Removal of marine growth and/or guano, replacement of corrosion protection anodes, painting or other coatings, modifications to J-tubes, replacement of access ladders, major component replacement, recovery and repair/replacement of cable section, dredging to remove sediment.	Operational													
Ossian Wind Farm	Ossian Wind Farm	High	Scotwind area awarded to SSE renewables as part of the ScotWind leasing round. 2.6 GW	Pre-application													
Outer Dowsing Offshore Wind Farm	Outer Dowsing	High	Area of 499 km², 1,500 MW capacity.	Submitted but not yet determined													
Paimpol-Brehat Tidal Energy	EMODnet	Medium	Tidal demonstration site, two 2 MW turbines.	Operational													

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name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Parc eolien pose au large de la Normadie (AO4) Offshore Wind Farm	EMODnet	Medium	Wind farm with a capacity of 1 GW off the coast of Normany.	Pre-application													
Péarla Offshore Wind Farm	Inis Offshore Wind	High	40 km off the Waterford and Wexford coast. Up to 1 GW capacity.	Pre-application													
Pentland Floating Offshore Wind Farm	Pentland Floating Wind	High	Proposed floating offshore wind farm off the coast of Dounreay, Caithness.	Permitted but not yet implemented													
Perpetuus Tidal Energy Centre	The Crown Estate	Medium	30 MW commercial tidal stream.	Permitted but not yet implemented													
PLAT-I Foating Tidal Energy	Crown Estate Scotland	High	1 MW tidal turbine.	Operational													
Project Erebus – Floating Offshore Wind Project	Blue Gem Wind	Medium	100 MW test & demonstration project in the Celtic Sea.	Under Construction													
Project llen Wave Energy	EMODnet	Medium	Pre-commercial demonstration wave energy conversion project located 4 to 6 km offshore Co. Clare, starting with 5 MW of capacity. One of the two Western Star Projects.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	an G anti onst	cipa		on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Project Saoirse – Floating Offshore Wind Project	EMODnet	Medium	1.35 GW floating offshore wind project located at least 35 km offshore Co. Clare. One of the Western Star projects.	Pre-application													
Project Valorous – Floating Offshore Wind Project	NS Energy	Medium	A proposed 300 MW floating offshore wind project in the Celtic Sea region.	Pre-application													
QUB Tidal demonstration test site	EMODnet	Medium	Two surface mounted mono-strut turbines, 1 kW.	Operational													
Race Bank Offshore Wind Farm	The Crown Estate	High	573 MW capacity.	Operational													
Rampion 2 (Rampion Extension) Offshore Wind Farm	The Crown Estate	High	Up to 1,200 MW capacity. Area - 270 km².	Submitted but not yet determined													
Rampion Offshore Wind Farm	The Crown Estate	High	400 MW capacity. Area - 72 km <sup>2</sup> .	Operational													
Realt na Mara offshore wind project	Ocean Winds	High	Capacity of up to 1.6 GW. Located off the coast of Dublin and Wicklow.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe liı	ne d atio	leno	tes sset	the	anti	cipa		
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Rentel Offshore Wind Farm	EMODnet	Medium	42 wind turbines, capacity of 309 MW. Area - 22.72 km².	Operational													
Rhyl Flats Offshore Wind Farm	The Crown Estate	High	25 wind turbines, 90 MW capacity.	Operational													
Rian Offshore Array Phase 1	Rian Offshore Array Ltd.	High	First stage of Rian Offshore Array. Surveys to set up second phase.	Pre-application													
Rian Offshore Array Phase 2	Rian Offshore Array Ltd.	High	Second stage of Rian Offshore Array. Floating offshore wind farm. 2.5 GW potential capacity.	Pre-application													
Robin Rigg East offshore wind project	Crown Estate Scotland	High	Adjacent to Robin Rigg West, total capacity across the two projects of 174 MW.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe lii	ne c atio	th th leno n As indo	tes sset	the	anti	cipa		
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Robin Rigg Offshore Wind Farm Operational Marine Licence - Export Cable	Marine Management Organisation	High	It is estimated that no more than three repairs per cable would be expected to occur within the remaining life of the windfarm. The maximum length of cable expected to be used would be 200 m in each case. If the repair requires the use of a jack up barge it is envisaged that no more than four visits/ jack up positions would be required per repair.	Operational													
Robin Rigg West Offshore Wind Farm	Crown Estate Scotland	High	Adjacent to Robin Rigg East, total capacity across the two projects of 174 MW.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		sets	(blu	ıe lii	ne d atio	eno	tes sset	the	an G anti onst	cipa	ated	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Routine operational and maintenance activities at five Offshore Substations (Barrow, Ormonde, Lincs, Westermost Rough, and Gunfleet Sands)	Marine Management Organisation	High	An application is being submitted for routine operational and maintenance (O&M) activities on the Offshore Substation Platforms (OSPs) of the following offshore wind farms:  • Barrow • Ormonde • Lincs • Westermost Rough • Gunfleet Sands.	Operational													
RWE Renewables Ireland Site Investigations for Dublin Array Offshore Wind Farm	Irish Government	High	Foreshore Licence to undertake geotechnical and geophysical site investigations and ecological, wind, wave and current monitoring to provide further data to refine wind farm design, cable routing, landfall design and associated installation methodologies for the proposed Dublin Array offshore wind farm.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe lii	ne d atio	eno	tes sset	the	anti	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Saint-Brieuc Offshore Wind Farm	EMODnet	Medium	496 MW. Construction on the project started in 2019, while commissioning is scheduled for 2023. 62 turbines. A 225 kV offshore substation will also be placed on a jacket foundation in the middle of the wind farm.	Operational													
Sceirde (Skerd) Rocks Windfarm	Gov.ie	High	application relating specifically to a foreshore license for site investigation activities in the wind farm array area only to support the accelerated delivery of the Sceirde Rocks Windfarm.	Pre-application													
Sceirde (Skerd) Rocks Windfarm	4C Offshore	Low	450 MW. Concept early planning.	Pre-application													
Scottish Power Renewables - Floating	Crown Estate Scotland	High	3,000 MW floating offshore wind project, part of Scotwind Leasing.	Pre-application													
Scroby Sands Offshore Wind Farm	The Crown Estate	High	60 MW capacity.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu		ne d atio	eno	tes sset	the	anti	cipa	eration	
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Sea Stacks – Offshore Wind Project	4C Offshore	Low	Proposed offshore windfarm. Expected 800 MW Capacity. Area - 160 km <sup>2</sup> . Off the coast of South Dublin and North Wicklow.	Pre-application													
Seagreen Phase 1 Offshore Transmission Connection	Crown Estate Scotland	High	The offshore transmission assets for the first 114 wind turbines of the Seagreen wind farm, connecting to Tealing, Angus.	Operational													
Seagreen Phase 1 Windfarm	Crown Estate Scotland	High	The Seagreen project, 27 km off the Angus coastline. 150 wind turbines.	Operational													
Seagreen Phase 1A Offshore Transmission Connection	Crown Estate Scotland	High	The connection of the remaining 36 consented turbines of the Seagreen project into Cockenzie.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe li	ne d atio	eno	tes sset	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
SEAI SAIPAM Site Investigation for Floating Offshore Wind testing at AMETS Site Mayo	Irish Government	High	Site Investigation for Accelerating market uptake of Floating Offshore Wind Technology testing/demonstrating of Offshore Floating Wind technology. Subbottom Profiling and Cone Penetration Testing to inform on the proposed deployment of a turbine of up to 6 MW at Atlantic Marine Energy Test Site in partnership with SEAI off the west coast of Co. Mayo. MBES, SSS, SBP, CPT and benthic sampling. SI works were proposed to be undertake between May and September 2020 but no licence granted as of August 2022.	Submitted but not yet determined													
Seastar (Seamade) Offshore Wind Farm	EMODnet	Medium	Inaugrated in October 2021. 252 MW capacity.	Operational													
Setanta offshore wind project	SSE Renewables	High	Proposed offshore wind farm, Up to 1 GW Capacity. Expected for commision in 2027. Area: 444 km <sup>2</sup>	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe liı	ne d atio	leno	tes sset	the	anti	iene cipa ructi	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Shearwater One Floating Offshore Wind Farm	Shearwater Energy	High	1,000 MW site, Floating offshore wind, 70 x 15 MW wind turbines.	Pre-Application													
Shelmalere Offshore Wind Farm	4C Offshore	Low	Expected to have a capacity of 1 GW. Planning consent application expected to be submitted 2024, construction to commence 2028 and comissioning in 2030.	Pre-application													
Shelmalere Offshore Wind Farm - Site Investigations off Counties Wexford and Wicklow	Irish Government	High	Hydrographical, geographical, geotechnical, ecological and geophysical survey activities.	Submitted but not yet determined													
Sheringham and Dudgeon Extension Projects	The Crown Estate	High	Joint offshore wind farm application with Sherringham Shoal. 402 MW	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	an G anti onst	cipa	ited	
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Sheringham and Dudgeon Extension Projects	The Crown Estate	High	Joint offshore wind farm application with Dudgeon Extension. Shared point of connection at the National Grid Norwich Main substation. These extension projects will have a combined generating capacity of 719 MW.	Submitted but not yet determined													
Sheringham Shoal Offshore Wind Farm	The Crown Estate	High	317 MW capacity.	Operational													
Simply Blue Emerald – Offshore Wind Project	Irish Government	High	Proposed offshore wind farm with a capacity of up to 1 GW.	Pre-application													
Simply Blue Energy (Kinsale) Limited surveys	Irish Government	High	Geophysical, benthic sampling, geotechnical, wind resource monitoring, metocean surveys, nearshore and intertidal survey, bird and marine mammal surveys. The intention is to begin Geophysical Survey activities in spring/summer 2021 with a staged series of investigations over the subsequent five years as the project reaches the detailed design stage. No licence issued.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		sets	(blu	ıe lii	ne d atio	eno	tes sset	the	anti	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Site Investigation Licence for Windfarm off Helvick Head	Irish Government	High	Geophysical, geotechnical, archaeological, ecological, and oceanographic and meteorological surveys.	Operational													
Site Investigations for proposed Offshore Wind Farm, off Counties Wicklow and Dublin	Irish Government	High	The following types of surveys will be carried out:  • Geotechnical surveys  • Geophysical surveys (including archaeology and UXO)  • Benthic survey programme on the basis of geophysical data  • Wind resource monitoring  • Metocean surveys  • Bird and marine mammal surveys.	Submitted but not yet determined													
Site Investigations for the proposed Kinsale Project offshore wind farm, off County Cork	Irish Government	High	Geophysical, archaeology, subtidal benthic, seabed and marine mammal, wind and current resource measurement, geotechncial surveys, Duration of deployments is expected to be between 12 and 36 months.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	iene cipa ructi	ted	on
name	source	assessment	Capacity Coalor 2 Cocilpacit	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Site Investigations for the proposed Sunrise Offshore Wind Farm, off Counties Dublin and Wicklow	Irish Government	High	Geophysical, geotechnical, oceanographic and metocean, ecological and archaeological surveys.	Submitted but not yet determined													
Site Investigations for the proposed Wicklow Project offshore wind farm, off County Wicklow	Irish Government	High	Geophysical, archaeology, subtidal benthic, seabed and marine mammal, project and current resource measurement, geotechnical surveys.	Submitted but not yet determined													
SmartBay Offshore Test Site	Irish Government	High	Ireland's national marine test and demonstration facility, 4.5 km east of Spiddal and 1.5 km offshore.	Operational													
South Irish Sea Project – Offshore Wind Project	South Irish Sea Wind	Medium	Offshore wind project proposed to be located a minimum of 10 km and up to 25 km off the coasts of Wexford and south Wicklow.	Pre-application													
South Pembrokeshire Demonstration Zone	EMODnet	Medium	Area - 90 km <sup>2</sup> . It has the potential to support three wave energy arrays of up to 30 MW generating capacity each.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe li	ne d atio	eno	tes sset	the	anti	cipa		
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Spiorad na Mara – Offshore Wind Project	Northland Power ScotWind	High	Comprising up to 66 wind turbines, with an approximate capacity of 840 to 1,000 MW.	Pre-application													
SSE Renewables Celtic Sea surveys	Irish Government	High	Geophysical, geotechnical, wind resource and metocean, topographic, environmental. Licence expected to start in 2019 but no licence issued.	Submitted but not yet determined													
Statkraft North Irish Sea Array (NISA) Site Investigations	Irish Government	High	Geophysical survey, Geotechnical survey, metocean device, floating lidar, ecology surveys, archaeology surveys.	Operational													
Strangford Lough  – Tidal Energy	The Crown Estate	High	Testing of a 3 m wing tidal turbine.	Operational													
Stromar – Floating Offshore Wind Project	Energy-Pedia	High	Offshore floating wind project, 1,000 MW capacity, part of the Scotwind Leasing Round.	Pre-application													
Strumble Head – Tidal Energy	EMODnet	Medium	Tidal energy project near Fishguard.	Pre-application													
Sure Partners Arklow Bank Wind Park Phase 2 Site Investigations	Irish Government	High	Boreholes, CPT, vibrocores, floating lidar deployment, sediment dynamic measurments, beach trial pits.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe lii	wit ne d atio wi	eno	tes sset	the	anti	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Talisk offshore wind project	Magnora	High	Total capacity 500 MW, floating offshore wind farm. 35 km offshore from the Western Isles.	Pre-application													
Teesside Offshore Wind Farm	The Crown Estate	High	62.1 MW capacity. Area - 10 km².	Operational													
Thanet Offshore Wind Farm	The Crown Estate	High	300 MW capacity. Area - 13.5 km².	Operational													
Thortonbank OEF (C-Power (Zone B))	EMODnet	Medium	325 MW capacity. Area - 19.84 km².	Operational													
Torr Head tidal site	The Crown Estate	High	100 MW tidal energy array project. 4 to 6 turbines.	Operational													
Tralee offshore wind project		Low	Capacity of up to 2.5 GW.	Pre-application													
Triton Knoll Offshore Wind Farm	The Crown Estate	High	857 MW capacity.	Operational													
Tulca Offshore Array Phase 1	Tulca Offshore Wind	High	First stage of Tulca Offshore Array. Surveys to set up second phase.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		sets	(blu	ıe li	ne d atio	eno	tes sset	the	an G anti onst	cipa	ited	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Tulca Offshore Array Phase 2	Tulca Offshore Wind	High	Second stage of Tulca Offshore Array.	Pre-application													
Twin Hub	Hecicon AB	High	Two floating offshore wind platforms, each with two wind turbines. Installed capacity of 32 MW.	Permitted but not yet implemented													
Urban Sea offshore wind project	Enterprize Energy PTE Ltd.	High	Floating offshore wind farm off the south east coast of Ireland.	Pre-application													
Valentia Phase 1 offshore wind project	Valentia Island Energy Ltd.	High	Up to 92 floating wind rutbines, potentially split between two array areas, capacity up to 920 MW.	Pre-application													
Valentia Phase 2 offshore wind project	Valentia Island Energy Ltd.	High	Up to 62 floating wind turbines, capacity up to 620 MW.	Pre-application													
Voyage offshore wind project	Voyage Offshore Array Limited	High	Floating offshore wind farm off the south coast of Ireland, predominantly off County Waterford.	Pre-application													
Walney 1 Offshore Wind Farm	The Crown Estate	High	183.6 MW capacity. Area - 36.5 km².	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	wit ne d atio wi	eno	tes sset	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Walney 1&2 Offshore Wind Farms O&M Marine Licence	Marine Management Organisation	High	Removal of marine growth and/or guano, replacement of corrosion protection anodes, painting or other coatings, modifications to J-tubes, replacement of access ladders, major component replacement.	Operational													
Walney 2 Offshore Wind Farm	The Crown Estate	High	183.6 MW capacity. Area - 36.5 km².	Operational													
Walney 2 Offshore Wind Farm, Composite Operational and Maintence (O&M) Marine Licence Application	ММО	High	This licence allows for the recovery, repair and replacement of up to 4 breakages over the lifetime of the cable, with each breakage up to 0.2 km.	Operational													
Walney Extension 3 Offshore Wind Farm	The Crown Estate	High	330 MW capacity.	Operational													
Walney Extension 4 Offshore Wind Farm	The Crown Estate	High	329 MW capacity.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	wit ne d atio wi	leno	tes sset	the	anti	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Walney Extension blade tip boosters	Marine Management Organisation	High	aerodynamic tip boosters to each blade (87 wind turbines so 261 total blades), which will increase the rotor diameters for Walney 3 from 164 m to 165 m, and from 154 m to 155.3 m for Walney 4.	Operational													
Walney Extension pontoon/jetty dredging and disposal	Marine Management Organisation	from 164 m to 165 m, and from to 155.3 m for Walney 4.  A Marine Licence is being sour for dredging and associated disposal activities for the Walney Extension Offshore Wind Farm		Operational													
Walney Extension pontoon/jetty dredging and disposal	Marine Management Organisation	High	A Marine Licence is being sought for dredging and associated disposal activities for the Walney Extension Offshore Wind Farm operations and maintenance (O&M) base at the Port of Barrow.	Operational													
Walney Offshore Wind Farm Operational Marine Licence - Inter Array Cable Repair	Organisation  Organisation  Organisation  Organisation  Organisation  Organisation  Extension Offshore Wind Far operations and maintenance (O&M) base at the Port of Bar operation  A maximum of 10 cable repair replacements over the remain lifetime of the project		A maximum of 10 cable repairs or replacements over the remaining lifetime of the project.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	ıe li	wit ne d atio wi	eno	tes sset	the	anti	cipa	ted	on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Walney Offshore Wind Farm Operational Marine Licence - Phase 1 Export Cable	Marine Management Organisation	High	An operational marine licence is sought for emergency export cable repairs over the operational life time of the Walney Offshore Wind Farm export cables.	Operational													
Walney Offshore Wind Farm Operational Marine Licence - Phase 2 Export Cable	Marine Management Organisation	High	An operation Marine Licence is sought for emergency export cable repairs over the operational life time of the Walney Offshore Wind Farm export cables.	Operational													
Walney Offshore Wind Farm, Composite Operational and Maintence (O&M) Marine Licence Application	Marine Management Organisation	High	This licence allows for the recovery, repair and replacement of up to 4 breakages over the lifetime of the cable, with each breakage up to 0.2 km.	Operational													
Wave Dragon Project Milla Fjord – Wave Energy Project	EMODnet	Medium	Wave energy project approximately 20 km off Pembrokeshire.	Operational													
WaveHub (Hayle)	EMODnet	Medium	20 MW capacity .	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	iene cipa ruct	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
West Anglesey Demonstration Zone tidal site	The Crown Estate	High	35 km <sup>2</sup> . The application was submitted in the autumn of 2019 consent was awarded in December 2021. 240 MW	Permitted but not yet implemented													
West of Duddon Sands Offshore Wind Farm	The Crown Estate	High	389 MW capacity.	Operational													
West of Duddon Sands Offshore Wind Farm O&M Marine Licence	Marine Management Organisation	High	Removal of marine growth and/or guano, replacement of corrosion protection anodes, painting or other coatings, modifications to J-tubes, replacement of access ladders, major component replacement.	Operational													
West of Orkney Wind Farm	Crown Estate Scotland	High	Offshore wind project comprising up to 125 wind turbines, 30 km from the coast of Orkney. 2,000 MW capacity.	Pre-application													
Westermost Rough Offshore Wind Farm	The Crown Estate	High	210 MW capacity. Area - 35 km².	Operational													
Westray South	TETHYS	High	Proposed 200 MW tidal array, 24 km north of Kirkwall.	Pre-application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne c atio	lend	tes sset	the		cipa	eration	
name  White Cross	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
White Cross	WhiteCross	High	100 MW site. Planned floating offshore wind farm off the coast of Pembrokeshire. Comprises up to 18 wind turbines.	Pre-Application													
Yell Sound Array	Offshore Engineer	High	15 MW tidal array.	Permitted but not yet implemented													
Ynys Enlli Tidal Energy	The Crown Estate	High	Nova's Ynys Enlli Tidal Energy project will involve placing an array of their M100 100 kW turbines in Swnt Enlli (Bardsey Sound) between Ynys Enlli (Bardsey Island) and the Llŷn Peninsula mainland in north Wales.	Pre-application													





1.6.3 Offshore renewable energy – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: <b>Screened in to assessment.</b>
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Aberdeen Offshore Wind farm	370.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Aniar Offshore Array Phase 1 offshore wind project	307.3	d	d	d	С	d	d	d	d	d	d	d	d	d
Aniar Offshore Array Phase 2 offshore wind project	325.4	d	d	d	С	d	d	d	d	d	d	d	d	d
Arklow Bank Phase 1 Offshore Wind Farm	165.3	d	d	d	a	a	d	а	d	d	d	а	d	d
Arklow Bank Wind Park Phase 2	107.6	d	d	d	С	е	d	d	d	d	d	d	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Arranmore offshore wind project	319.8	d	d	d	С	d	d	d	d	d	d	d	d	d
Arven Offshore Wind Farm	114.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Atlantic Marine Energy Test Site (AMETS) - test area A	141.2	d	d	d	a	d	d	d	d	d	d	а	d	d
Atlantic Marine Energy Test Site (AMETS) - test area B	108.1	d	d	d	a	d	d	d	d	d	d	а	d	d
Awel y Môr Offshore Wind Farm	46.8	d	С	С	С	С	d	С	d	С	С	С	С	С
Barrow Offshore Wind Farm	30.1	b	b	a	a	a	a	а	d	a	С	a	b	b
Barrow Offshore Wind Farm Export Cable Repair and Remediation	34.7	С	С	а	а	а	а	а	d	d	d	а	d	d
Barrow Offshore Wind Farm O&M Marine Licence	107.6	С	С	a	a	d	a	а	d	d	d	a	d	d
BayWa – Floating Offshore Wind Project	119.4	d	d	d	d	d	d	е	d	d	d	d	d	d
Beatrice Offshore Wind Farm	386.3	d	d	d	d	d	d	d	d	d	d	a	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Bellrock Offshore Wind Farm	359.2	d	d	d	d	d	d	d	d	d	d	d	d	d
Belwind phase 1 Offshore Wind Farm	509.5	d	d	d	d	d	d	d	d	d	d	a	d	d
Belwind phase 2 (Nobelwind) (Zone 1) Offshore Wind Farm	508.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Belwind phase 2 (Nobelwind) (Zone 2) Offshore Wind Farm	512.2	d	d	d	d	d	d	d	d	d	d	а	d	d
Berwick Bank Wind Farm	278.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Blackwater Offshore Wind Farm	266.0	d	d	d	С	е	d	d	d	d	d	d	d	d
Bluemull Sound Tidal Array	760.2	d	d	d	а	d	d	d	d	d	d	а	d	d
Blyth Demo Offshore Wind Farm Phase 1	199.7	d	d	d	d	d	d	d	d	d	d	а	d	d
Blyth Demo Offshore Wind Farm Phases 2&3	205.3	d	d	d	d	d	d	d	d	d	d	d	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Bore Array offshore wind project	272.9	d	d	d	С	е	е	d	d	d	d	d	d	d
Borssele Kavel I Offshore Wind Farm	505.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Borssele Kavel II Offshore Wind Farm	524.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Borssele Kavel III Offshore Wind Farm	515.9	d	d	d	d	d	d	d	d	d	d	а	d	d
Borssele Kavel IV - Offshore Wind Farm	505.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Borssele Kavel V - Offshore Wind Farm	520.1	d	d	d	d	d	d	d	d	d	d	a	d	d
Braymore Point site investigation	107.6	d	d	d	а	d	d	d	d	d	d	а	d	d
Broadshore – Offshore Wind Project	470.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Buchan Deep Demo – Floating Offshore Wind Farm	412.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Buchan Offshore Wind Farm	495.7	d	d	d	d	d	d	d	d	d	d	d	d	d
Burbo Bank Extension Offshore Wind Farm	56.0	d	d	d	a	b	а	а	d	a	С	а	b	b

					Mor	gan Ge	neratio	n Asse	ts topic	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Burbo Bank Extension Offshore Wind Farm – Array cable repair and remediation activities	56.0	d	d	d	a	d	a	а	p	d	d	а	d	d
Burbo Bank Extension Offshore Wind Farm – Export cable repair and remediation activities	56.0	d	d	d	а	d	a	а	р	d	d	а	d	d
Burbo Bank Offshore Wind Farm	61.6	d	d	d	а	b	d	a	d	а	С	a	b	b
Burbo Bank Offshore Wind Farm - O&M Marine Licence for Export Cable Repair/Remediation Activities	61.6	d	d	d	a	d	d	а	d	d	d	a	d	d
Burbo Bank Offshore Wind Farm cable repair and remediation	63.0	d	d	d	а	d	d	а	d	d	d	а	d	d
Cailleach Offshore Wind Farm, Wicklow	160.8	d	d	d	е	е	d	d	d	d	d	d	d	d
Caledonia Offshore Wind Project	448.5	d	d	d	d	d	d	d	d	d	d	d	d	d
CampionWind Offshore Wind Project	423.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Celtic Horizon offshore wind project	273.6	d	d	d	С	е	d	d	d	d	d	d	d	d
Celtic One Fixed Offshore Wind Farm	326.8	d	d	d	е	е	d	е	d	d	d	d	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Celtic Sea Array Offshore Wind Farm	260.8	d	d	d	С	е	d	d	d	d	d	d	d	d
Celtic Two – Floating Offshore Wind Project	349.4	d	d	d	е	е	d	е	d	d	d	d	d	d
Centre-Manche 1 Offshore Wind Farm	489.8	d	d	d	d	d	d	d	d	d	d	а	d	d
Clarus Offshore Wind Farm	428.5	d	d	d	d	d	d	d	d	d	d	d	d	d
Clarus Offshore Wind Farm - Site Investigations off Counties Kerry and Clare	377.9	d	d	d	d	d	d	d	d	d	d	a	d	d
Clogher Head Offshore Wind Farm	114.3	d	d	d	С	е	d	е	d	d	d	d	d	d
Cluaran Deas Ear Offshore Wind Project	355.9	d	d	d	d	d	d	d	d	d	d	d	d	d
Cluaran Ear-Thuath Offshore Wind farm	535.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Codling Wind Park Offshore Wind Farm	141.2	d	d	d	С	е	d	е	d	d	d	d	d	d
Codling Wind Park site investigation Ref No. FS007045	85.8	d	d	d	a	d	d	d	d	d	d	a	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Cooley Point Offshore Wind Farm	108.1	d	d	d	С	е	d	d	d	d	d	d	d	d
Cork offshore wind project	445.4	d	d	d	С	е	d	d	d	d	d	d	d	d
Courseulles-sur-mer Offshore Wind Farm	540.7	d	d	d	d	d	d	d	d	d	d	а	d	d
Deerness – Wave Energy Project	539.1	d	d	d	d	d	d	d	d	d	d	а	d	d
DEME – Floating Offshore Wind Project	535.6	d	d	d	d	d	d	d	d	d	d	d	d	d
DesignPro Cahiracon Quay Tidal Energy Testing	359.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Dieppe - Le Treport – Offshore Wind Farm	535.4	d	d	d	а	d	d	d	d	d	d	a	d	d
Dogger Bank B (Sofia) – Offshore Wind Farm	355.7	d	d	d	d	d	d	d	d	d	d	а	d	d
Dogger Bank C (Creyke Beck) – Offshore Wind Farm	426.9	d	d	d	d	d	d	d	d	d	d	а	d	d
Dogger Bank South (East) – Offshore Wind Farm	361.0	d	d	d	d	d	d	d	d	d	d	е	d	d
Dogger Bank South (West) – Offshore Wind Farm	333.2	d	d	d	d	d	d	d	d	d	d	е	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Dogger Bank Teeside A – Offshore Wind Farm	362.5	d	d	d	d	d	d	d	d	d	d	а	d	d
DONG Energy Burbo (UK) Ltd - Operational Marine Licence Inter Array Cable Repair	61.6	d	d	d	a	d	d	a	d	d	d	a	d	d
Draig y Môr – Offshore Wind Farm	95.9	е	е	е	е	е	е	е	d	d	d	þ	е	е
Dublin Array Offshore Wind Farm	134.4	d	d	d	С	е	d	е	d	d	d	þ	d	d
Dublin Array site investigation	134.4	d	d	d	а	d	d	d	d	d	d	а	d	d
Dudgeon Offshore Wind Farm	345.3	d	d	d	а	d	d	d	d	d	d	а	d	d
Dunkerque Offshore Wind Project	514.8	d	d	d	d	d	d	d	d	d	d	d	d	d
East Anglia ONE NORTH Offshore Wind Farm	439.8	d	d	d	d	d	d	d	d	d	d	а	d	d
East Anglia ONE Offshore Wind Farm	456.1	d	d	d	d	d	d	d	d	d	d	a	d	d
East Anglia THREE Offshore Wind Farm	455.5	d	d	d	d	d	d	d	d	d	d	a	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
East Anglia TWO Offshore Wind Farm	436.0	d	d	d	d	d	d	d	d	d	d	а	d	d
East Celtic offshore wind project	290.7	d	d	d	С	е	d	d	d	d	d	d	d	d
EMEC Fall of Warness – Tidal Energy	567.3	d	d	d	d	d	d	d	d	d	d	а	d	d
EMEC Shapinsay Sound – Tidal Energy	552.5	d	d	d	d	d	d	d	d	d	d	a	d	d
Endurance Carbon Capture	292.4	d	d	d	d	d	d	d	d	d	d	d	d	d
Energia Site Investigation off Wexford Coast	170.5	d	d	d	а	d	d	d	d	d	d	а	d	d
Eni Hynet – Carbon Capture Project	31.0	d	С	С	С	е	d	е	d	С	d	е	d	d
ESB Celtic Offshore Wind - Site Investigations off Waterford and Cork	325.3	d	d	d	С	d	d	d	d	р	p	p	d	d
ESB Wind Development Limited Site Investigations at Sea Stacks Offshore Wind off Dublin and Wicklow	127.4	d	d	d	С	d	d	d	d	d	d	d	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
ESB Wind Development Limited Site Investigations off Waterford and Cork Coasts - Helvick Head Offshore Wind	289.2	d	d	d	С	d	d	d	d	d	d	d	d	d
FabTest, Falmouth Bay – Renewable Energy Test Site	427.1	d	d	d	a	d	d	d	d	d	d	а	d	d
Fair Head – Tidal Array Project	180.0	d	d	d	d	d	d	d	d	d	d	f	d	d
Falck Renewables - Floating	495.6	d	d	d	d	d	d	е	d	d	d	d	d	d
Fall of Warness Tidal Test Site	566.6	d	d	d	d	d	d	d	d	d	d	а	d	d
Fecamp – Offshore Wind Farm	523.3	d	d	d	d	d	d	d	d	d	d	а	d	d
Five Estuaries — Offshore Wind Farm	451.4	d	d	d	d	d	d	d	d	d	d	е	d	d
Floating Power Plant – Ireland – Offshore Wind Project	130.5	d	d	d	е	е	d	е	d	d	d	d	d	d
Forthwind Methil Demonstration – Offshore Wind	241.2	d	d	d	d	d	d	d	d	d	d	а	d	d
Fuinneamh Sceirde Teoranta - Site Investigations for the proposed Sceirde Rocks Offshore Wind Farm	382.7	d	d	d	d	d	d	d	d	d	d	а	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Galloper Offshore Wind Farm	443.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Galway Bay-1 (near Spiddal)	341.4	d	d	d	а	d	d	d	d	d	d	а	d	d
Galway Bay-2 (near Spiddal)	373.6	d	d	d	а	d	d	d	d	d	d	а	d	d
Greater Gabbard Offshore Wind Farm	439.9	d	d	d	d	d	d	d	d	d	d	a	d	d
Green Volt Offshore Wind Farm	466.8	d	d	d	d	d	d	d	d	d	d	а	d	d
Greystones Offshore Wind Farm	122.9	d	d	d	d	d	d	d	d	d	d	d	d	d
Gunfleet Sands Demo	416.9	d	d	d	d	d	d	d	d	d	d	a	d	d
Gunfleet Sands I Offshore Wind Farm	415.6	d	d	d	d	d	d	d	d	d	d	a	d	d
Gunfleet Sands II Offshore Wind Farm	417.6	d	d	d	d	d	d	d	d	d	d	a	d	d
Gwynt Glas – Floating Offshore Wind Project	315.0	d	d	d	е	d	d	e	d	d	d	е	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Gwynt y Môr Offshore Wind Farm	51.5	d	d	d	а	b	a	а	d	а	С	а	b	b
Harris Demonstration Zone	460.7	d	d	d	d	d	d	d	d	d	d	d	d	d
Havbredey – Floating Offshore Wind Project	503.0	d	d	d	d	d	d	d	d	d	d	d	d	d
Haven Offshore Array Wind Farm	248.0	d	d	d	С	d	d	d	d	d	d	d	d	d
Hollandse Kust (West) – Offshore Wind Project	523.5	d	d	d	d	d	d	d	d	d	d	d	d	d
Hollandse Kust D – Offshore Wind Project	511.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Hollandse Kust F – Offshore Wind Project	511.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Holyhead Deep – Tidal Energy	81.9	d	d	d	d	С	d	е	d	d	d	е	d	d
Holyhead Deep Project , Safety Zone Application	86.7	d	d	d	а	d	d	a	d	d	d	а	d	d
Hornsea Project 1 Offshore Wind Farm	357.6	d	d	d	d	d	d	d	d	d	d	а	d	d
Hornsea Project 2 Offshore Wind Farm	342.8	d	d	d	d	d	d	d	d	d	d	а	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Hornsea Project 3 Offshore Wind Farm	392.6	d	d	d	d	d	d	d	d	d	d	а	d	d
Hornsea Project 4 Offshore Wind Farm	308.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Humber Gateway Offshore Wind Farm	267.7	d	d	d	a	d	d	d	d	d	d	а	d	d
Ijmuiden Ver Wind Farm Zone	487.5	d	d	d	d	d	d	d	d	d	d	d	d	d
Inch Cape Offshore Wind Farm	286.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Inch Cape Offshore Wind Farm Transmission	221.4	d	d	d	d	d	d	d	d	d	d	а	d	d
Inis Eagla Marine Energy Park Ltd site investigations	306.1	d	d	d	d	d	d	d	d	d	d	d	d	d
Inis Ealga Marine Energy Park	327.0	d	d	d	С	е	d	d	d	d	d	d	d	d
Inis Offshore Wind Munster	383.0	d	d	d	С	d	d	d	d	d	d	d	d	d
Inner Dowsing Offshore Wind Farm	290.9	d	d	d	a	d	d	d	d	d	d	a	d	d
Isle of Islay – Offshore Wind Project	233.9	d	d	d	d	d	d	d	d	d	d	d	d	d

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Kentish Flats Extension Offshore Wind Farm	426.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Kentish Flats Offshore Wind Farm	427.4	d	d	d	d	d	d	d	d	d	d	а	d	d
Kilmichael Point Offshore Wind Farm	180.0	d	d	d	е	е	d	d	d	d	d	d	d	d
Kincardine – Floating Offshore Wind Project	351.5	d	d	d	d	d	d	d	d	d	d	d	d	d
Latitude 52 Array – Offshore Wind Project	146.6	d	d	d	е	е	d	d	d	d	d	d	d	d
Lincs Offshore Wind Farm	291.6	d	d	d	а	d	d	d	d	d	d	а	d	d
Lir offshore wind project	80.5	d	d	е	С	е	е	е	d	е	d	d	е	е
Llyr 1 Offshore Wind Project	298.5	d	d	d	С	е	d	d	d	d	d	е	d	d
Llyr 2 Offshore wind Project	295.0	d	d	d	С	е	d	d	d	d	d	е	d	d
Llywelyn Offshore Wind Project	321.6	d	d	d	d	е	d	d	d	d	d	е	d	d
Loch Garman Offshore Wind Farm	193.8	d	d	d	е	е	d	d	d	d	d	d	d	d
London Array Offshore Wind Farm	434.0	d	d	d	d	d	d	d	d	d	d	a	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Lynn Offshore Wind Farm	293.1	d	d	d	а	d	d	d	d	d	d	а	d	d
Mac Lir offshore wind project	143.9	d	d	d	С	е	d	d	d	d	d	d	d	d
Machair Wind – Hybrid Energy Project	255.0	d	d	d	С	d	d	d	d	d	d	d	d	d
Magnora – Offshore Wind Project	536.4	d	d	d	d	d	d	d	d	d	d	d	d	d
Mainstream Renewable Power Ltd - Site Investigations off Tralee	378.7	d	d	d	d	d	d	d	d	d	d	d	d	d
Mainstream, Renewable Power Ltd- Site Investigations off Co, Dublin	104.2	d	d	d	С	d	d	d	d	d	d	а	d	d
Malin Sea Wind	225.8	d	d	d	С	d	d	е	d	d	d	а	d	d
Mara Mhor Offshore Wind Farm	424.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Marine Energy Test Areas (META)	253.5	d	d	d	а	d	d	d	d	d	d	а	d	d
MarramWind	254.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Merlin – Floating Offshore Wind Project	375.9	d	d	d	е	d	d	d	d	d	d	d	d	d
Mermaid Offshore Wind Farm	502.6	d	d	d	d	d	d	d	d	d	d	a	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Mersey Tidal Power	78.7	d	d	d	d	d	d	е	d	d	d	е	d	d
META Phase 2 demonstration zones	261.0	d	d	d	а	d	d	d	d	d	d	a	d	d
MeyGen Tidal Energy Project	512.7	d	d	d	d	d	d	d	d	d	d	а	d	d
Mona Offshore Wind Project	11.1	С	С	С	С	С	С	С	d	С	С	С	С	С
Moneypoint One offshore wind project	443.9	d	d	d	С	d	d	d	d	d	d	d	d	d
Mooir Vannin	4.8	С	С	С	С	е	С	С	d	С	С	С	С	С
Moray East Offshore Transmission Connection	411.6	d	d	d	d	d	d	d	d	d	d	a	d	d
Moray Offshore Windfarm (East)	449.8	d	d	d	d	d	d	d	d	d	d	а	d	d
Moray West Offshore Transmission Connection	444.9	d	d	d	d	d	d	d	d	d	d	a	d	d
Moray West Offshore Wind Farm	440.3	d	d	d	d	d	d	d	d	d	d	а	d	d
Morecambe Net Zero Cluster	3.5	е	е	е	d	е	е	е	d	С	d	е	е	е
Morecambe Offshore Windfarm Generation Assets	11.2	С	С	С	С	С	С	С	С	С	С	С	С	С

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Morven Offshore Wind Project	336.2	d	d	d	d	d	d	d	d	d	d	d	d	d
Morwind – Floating Offshore Wind Project	358.1	d	d	d	d	d	d	d	d	d	d	d	d	d
Muir Mhòr Offshore Wind Farm	424.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Neart na Gaoithe Offshore Transmission Connection	267.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Neart Na Gaoithe Offshore Wind	263.7	d	d	d	d	d	d	d	d	d	d	а	d	d
Ness of Duncansby	513.1	d	d	d	d	d	d	d	d	d	d	d	d	d
Nomadic offshore wind project	220.8	d	d	d	С	е	d	d	d	d	d	d	d	d
Norfolk Boreas Offshore Wind Farm	445.2	d	d	d	d	d	d	d	d	d	d	d	d	d
Norfolk Vanguard East And West Offshore Wind Farm	420.2	d	d	d	d	d	d	d	d	d	d	а	d	d
Normandy, Raz Blanchard Tidal Project	483.8	d	d	d	d	d	d	d	d	d	d	е	d	d
North Celtic Sea Offshore Wind Farm	277.0	d	d	d	С	е	d	d	d	d	d	d	d	d

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Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
North Channel Wind 1 – Floating Offshroe Wind Project	135.0	d	d	d	С	е	d	е	d	d	d	е	d	d
North Channel Wind 2 – Floating Offshroe Wind Project	107.3	d	d	d	С	е	d	е	d	d	d	е	d	d
North Falls Offshore Wind Farm	437.4	d	d	d	d	d	d	d	d	d	d	е	d	d
North Hoyle Offshore Wind Farm	61.1	d	d	d	а	а	d	а	d	а	С	а	b	b
North Irish Sea Array Offshore Wind Farm	107.6	d	d	d	С	е	d	d	d	d	d	d	d	d
Norther Offshore Wind farm	528.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Northwester 2 Offshore Wind Farm	505.2	d	d	d	d	d	d	d	d	d	d	а	d	d
Northwind Offshore Wind Farm	518.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Ocean Quest Tidal Turbine	557.5	d	d	d	а	d	d	d	d	d	d	а	d	d
Ocean Winds Offshore Wind Project	708.1	d	d	d	d	d	d	е	d	d	d	d	d	d
Offshore Wind Power - Fixed	523.7	d	d	d	d	d	d	е	d	d	d	d	d	d
Operation and maintenance activities at North Hoyle Offshore Wind Farm	61.1	d	d	d	а	d	d	а	d	d	d	a	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Operation and maintenance activities at Rhyl Flats Offshore Wind Farm	59.8	d	d	d	a	d	a	а	d	d	d	a	d	d
Oran na Mara Tidal Energy	235.7	d	d	d	d	d	d	d	d	d	d	d	d	d
Oriel Windfarm Offshore Wind Farm	119.4	d	d	d	С	е	d	d	d	d	d	d	d	d
Ormonde Offshore Wind Farm	24.4	b	b	а	а	b	а	а	d	а	С	а	b	b
Ormonde Offshore Wind Farm Export Cable Repair and Remediation	27.0	d	С	a	a	d	а	a	d	d	d	a	d	d
Ormonde Offshore Wind Farm O&M Marine Licence	24.4	С	С	a	a	d	a	а	d	d	d	а	d	d
Ossian Wind Farm	354.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Outer Dowsing Offshore Wind Farm	318.8	d	d	d	d	d	d	d	d	d	d	е	d	d
Paimpol-Brehat Tidal Energy	557.5	d	d	d	d	d	d	d	d	d	d	a	d	d
Parc eolien pose au large de la Normadie (AO4) Offshore Wind Farm	488.6	d	d	d	d	d	d	d	d	d	d	d	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Péarla Offshore Wind Farm	317.5	d	d	d	С	е	d	d	d	d	d	d	d	d
Pentland Floating Offshore Wind Farm	507.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Perpetuus Tidal Energy Centre	413.6	d	d	d	a	d	d	d	р	d	d	а	d	d
PLAT-I Foating Tidal Energy	276.8	d	d	d	d	d	d	d	d	d	d	a	d	d
Project Erebus – Floating Offshore Wind Project	289.9	d	d	d	С	С	d	d	d	d	d	а	d	d
Project Ilen Wave Energy	427.4	d	d	d	С	е	d	d	р	d	d	d	d	d
Project Saoirse – Floating Offshore Wind Project	373.5	d	d	d	С	е	d	d	d	d	d	d	d	d
Project Valorous – Floating Offshore Wind Project	301.6	d	d	d	С	е	d	d	d	d	d	е	d	d
QUB Tidal demonstration test site	96.9	d	d	d	a	d	d	d	d	d	d	а	d	d
Race Bank Offshore Wind Farm	308.9	d	d	d	d	d	d	d	d	d	d	a	d	d
Rampion 2 (Rampion Extension) Offshore Wind Farm	425.3	d	d	d	d	С	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Rampion Offshore Wind Farm	430.8	d	d	d	а	b	d	d	d	d	d	a	d	d
Realt na Mara offshore wind project	127.1	d	d	d	С	е	d	е	d	d	d	е	d	d
Rentel Offshore Wind Farm	520.8	d	d	d	d	d	d	d	d	d	d	a	d	d
Rhyl Flats Offshore Wind Farm	60.5	d	d	d	а	b	d	а	d	a	С	a	b	b
Rian Offshore Array Phase 1	488.8	d	d	d	С	d	d	d	d	d	d	d	d	d
Rian Offshore Array Phase 2	513.4	d	d	d	С	d	d	d	d	d	d	d	d	d
Robin Rigg East offshore wind project	78.7	d	d	d	a	b	d	a	d	d	С	a	b	b
Robin Rigg Offshore Wind Farm Operational Marine Licence - Export Cable	75.0	d	d	d	a	d	d	а	d	d	d	a	d	d
Robin Rigg West Offshore Wind Farm	76.6	d	d	d	a	b	d	d	d	а	d	a	b	b

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Routine operational and maintenance activities at five Offshore Substations (Barrow, Ormonde, Lincs, Westermost Rough, and Gunfleet Sands)	26.2	d	С	а	a	d	a	a	d	d	Q	а	d	d
RWE Renewables Ireland Site Investigations for Dublin Array Offshore Wind Farm	134.4	d	d	d	С	d	d	d	d	d	d	d	d	d
Saint-Brieuc Offshore Wind Farm	562.6	d	d	d	а	d	d	d	d	d	d	а	d	d
Sceirde (Skerd) Rocks Windfarm	386.3	d	d	d	е	d	d	d	d	d	d	а	d	d
Sceirde (Skerd) Rocks Windfarm	386.3	d	d	d	d	d	d	d	d	d	d	d	d	d
Scottish Power Renewables - Floating	483.1	d	d	d	d	d	d	d	d	d	d	d	d	d
Scroby Sands Offshore Wind Farm	397.0	d	d	d	d	d	d	d	d	d	d	а	d	d
Sea Stacks – Offshore Wind Project	121.4	d	d	d	е	е	d	е	d	d	d	d	d	d
Seagreen Phase 1 Offshore Transmission Connection	314.4	d	d	d	d	d	d	d	d	d	d	a	d	d
Seagreen Phase 1 Windfarm	302.7	d	d	d	d	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Seagreen Phase 1A Offshore Transmission Connection	218.0	d	d	d	d	d	d	d	d	d	d	d	d	d
SEAI SAIPAM Site Investigation for Floating Offshore Wind testing at AMETS Site Mayo	383.4	d	d	d	d	d	d	d	d	d	d	d	d	d
Seastar (Seamade) Offshore Wind Farm	515.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Setanta offshore wind project	107.6	d	d	d	С	е	d	d	d	d	d	d	d	d
Shearwater One Floating Offshore Wind Farm	244.9	d	d	d	d	d	d	е	d	d	d	d	d	d
Shelmalere Offshore Wind Farm	201.4	d	d	d	С	е	d	d	d	d	d	d	d	d
Shelmalere Offshore Wind Farm - Site Investigations off Counties Wexford and Wicklow	182.8	d	d	d	С	d	d	d	d	d	d	d	d	d
Sheringham and Dudgeon Extension Projects	334.2	d	d	d	d	d	d	d	d	d	d	d	d	d
Sheringham and Dudgeon Extension Projects	330.2	d	d	d	d	d	d	d	d	d	d	а	d	d
Sheringham Shoal Offshore Wind Farm	333.4	d	d	d	d	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Simply Blue Emerald – Offshore Wind Project	359.2	d	d	d	С	е	d	d	d	d	d	d	d	d
Simply Blue Energy (Kinsale) Limited surveys	359.2	d	d	d	С	е	d	d	d	d	d	d	d	d
Site Investigation Licence for Windfarm off Helvick Head	277.0	d	d	d	а	d	d	р	d	d	d	а	d	d
Site Investigations for proposed Offshore Wind Farm, off Counties Wicklow and Dublin	133.1	d	d	d	С	d	d	d	d	d	d	а	d	d
Site Investigations for the proposed Kinsale Project offshore wind farm, off County Cork	383.0	d	d	d	С	d	d	d	d	d	d	d	d	d
Site Investigations for the proposed Sunrise Offshore Wind Farm, off Counties Dublin and Wicklow	124.7	d	d	d	С	d	d	d	d	d	d	а	d	d
Site Investigations for the proposed Wicklow Project offshore wind farm, off County Wicklow	149.7	d	d	d	С	d	d	d	d	d	d	d	d	d
SmartBay Offshore Test Site	345.7	d	d	d	а	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
South Irish Sea Project – Offshore Wind Project	170.5	d	d	d	е	е	d	d	d	d	d	d	d	d
South Pembrokeshire Demonstration Zone	278.2	d	d	d	С	е	d	d	d	d	d	f	d	d
Spiorad na Mara – Offshore Wind Project	530.3	d	d	d	С	d	d	е	d	d	d	d	d	d
SSE Renewables Celtic Sea surveys	260.8	d	d	d	С	е	d	d	d	d	d	d	d	d
Statkraft North Irish Sea Array (NISA) Site Investigations	107.6	d	d	d	С	е	d	d	d	d	d	а	d	d
Strangford Lough – Tidal Energy	97.4	d	d	d	а	a	d	d	Q.	d	d	а	d	d
Stromar – Floating Offshore Wind Project	492.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Strumble Head – Tidal Energy	221.3	d	d	d	d	е	d	d	D.	d	d	е	d	d
Sure Partners Arklow Bank Wind Park Phase 2 Site Investigations	165.3	d	d	d	d	е	d	d	d	d	d	а	d	d
Talisk offshore wind project	537.0	d	d	d	С	е	d	d	р	d	d	d	d	d
Teesside Offshore Wind Farm	188.9	d	d	d	d	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Thanet Offshore Wind Farm	456.5	d	d	d	d	d	d	d	d	d	d	а	d	d
Thortonbank OEF (C-Power (Zone B))	526.6	d	d	d	d	d	d	d	d	d	d	a	d	d
Torr Head tidal site	175.5	d	d	d	а	d	d	d	d	d	d	а	d	d
Tralee offshore wind project	416.5	d	d	d	С	е	d	d	d	d	d	е	d	d
Triton Knoll Offshore Wind Farm	299.9	d	d	d	d	d	d	d	d	d	d	а	d	d
Tulca Offshore Array Phase 1	428.7	d	d	d	е	d	d	d	d	d	d	е	d	d
Tulca Offshore Array Phase 2	427.2	d	d	d	С	d	d	d	d	d	d	е	d	d
Twin Hub	407.7	d	d	d	С	С	d	d	d	d	d	а	d	d
Urban Sea offshore wind project	488.4	d	d	d	С	d	d	d	d	d	d	d	d	d
Valentia Phase 1 offshore wind project	505.8	d	d	d	С	d	d	d	d	d	d	d	d	d
Valentia Phase 2 offshore wind project	506.8	d	d	d	С	d	d	d	d	d	d	d	d	d
Voyage offshore wind project	362.9	d	d	d	С	d	d	d	d	d	d	d	d	d
Walney 1 Offshore Wind Farm	16.3	b	b	а	а	b	а	а	d	а	С	а	b	b

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Walney 1&2 Offshore Wind Farms O&M Marine Licence	7.5	С	С	a	a	d	a	a	d	d	d	а	d	d
Walney 2 Offshore Wind Farm	13.3	b	b	а	а	b	а	а	d	а	С	а	b	b
Walney 2 Offshore Wind Farm, Composite Operational and Maintence (O&M) Marine Licence Application	18.1	С	С	a	a	d	a	a	d	d	d	a	d	d
Walney Extension 3 Offshore Wind Farm	8.1	b	b	a	а	b	а	а	d	a	С	а	b	b
Walney Extension 4 Offshore Wind Farm	9.5	b	С	a	а	b	а	а	d	a	С	а	b	b
Walney Extension blade tip boosters	9.5	d	d	d	d	b	d	d	d	d	b	а	d	d
Walney Extension pontoon/jetty dredging and disposal	56.1	d	d	d	a	d	a	а	d	d	d	а	d	d
Walney Extension pontoon/jetty dredging and disposal	35.7	d	С	С	a	d	а	а	d	d	d	а	d	d
Walney Offshore Wind Farm Operational Marine Licence - Inter Array Cable Repair	37.9	С	С	a	a	d	a	a	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Walney Offshore Wind Farm Operational Marine Licence - Phase 1 Export Cable	20.3	С	С	a	a	d	а	а	d	d	d	a	d	d
Walney Offshore Wind Farm Operational Marine Licence - Phase 2 Export Cable	18.1	С	С	a	a	d	a	а	d	d	d	a	d	d
Walney Offshore Wind Farm, Composite Operational and Maintence (O&M) Marine Licence Application	20.3	С	С	а	а	d	a	а	d	d	d	а	d	d
Wave Dragon Project Milla Fjord – Wave Energy Project	263.2	d	d	d	а	d	d	d	d	d	d	а	d	d
WaveHub (Hayle)	407.7	d	d	d	а	а	d	d	d	d	d	а	d	d
West Anglesey Demonstration Zone tidal site	79.3	d	d	d	С	С	d	d	d	d	d	а	d	d
West of Duddon Sands Offshore Wind Farm	15.4	b	b	а	а	b	a	а	d	а	С	а	b	b
West of Duddon Sands Offshore Wind Farm O&M Marine Licence	15.4	С	С	а	a	d	a	а	d	d	d	а	d	d
West of Orkney Wind Farm	521.8	d	d	d	d	С	d	d	d	d	d	d	d	d

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Westermost Rough Offshore Wind Farm	255.1	d	d	d	а	d	d	d	d	d	d	а	d	d
Westray South	570.4	d	d	d	d	d	d	d	d	d	d	d	d	d
White Cross	319.6	d	d	d	С	С	d	d	d	d	d	а	d	d
Yell Sound Array	734.7	d	d	d	d	d	d	d	d	d	d	d	d	d
Ynys Enlli Tidal Energy	134.9	d	d	d	е	е	е	d	d	d	d	е	d	d





## 1.7 Offshore cumulative effects matrix – commercial fisheries

1.7.1.1 The following commercial fisheries projects are shown in Figure 1.5 and Figure 1.6.



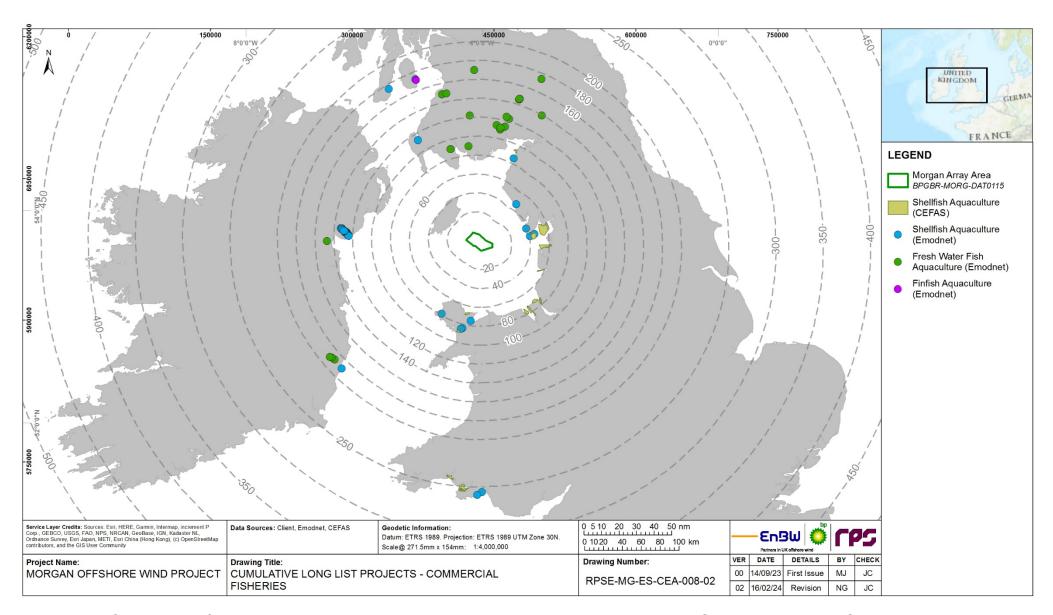


Figure 1.5: Commercial fisheries projects, plans and activities considered in the Morgan Generation Assets CEA.



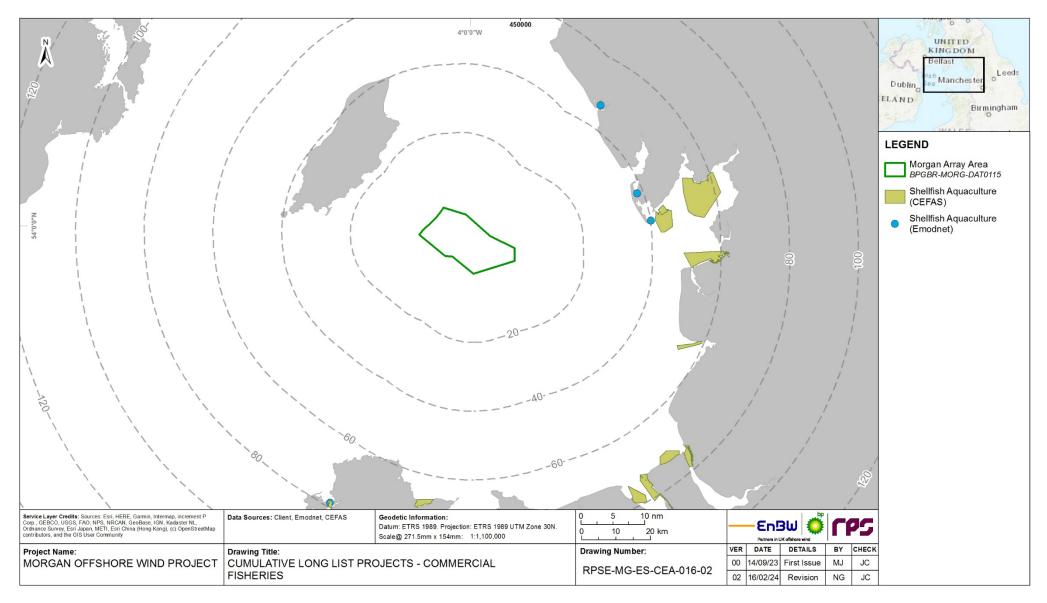


Figure 1.6: Commercial fisheries projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to east Irish Sea).





1.7.2 Commercial fisheries – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	ıe liı	ne d atio	h the eno n As ndo	tes set	the	anti	cipa	ited	
name	Data Source	assessment	Supusity/Could/Docomption	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Anglesey - Inland Sea	CEFAS	Medium	Mussels.	Operational													
Anglesey - Red Wharf Bay	CEFAS	Medium	Cockles.	Operational													
Burry Inlet	CEFAS	Medium	Mussels.	Operational													
Dee	CEFAS	Medium	Mussels, Ensis spp, N Oysters, Tapes spp, Cockles, S Solida, M.Varia.	Operational													
IE_1050	EMODnet	Medium	Ireland aquaculture site.	Operational													
IE_1094	EMODnet	Medium	Ireland aquaculture site.	Operational													
Liverpool Bay - Wirral	CEFAS	Medium	Classified as bivalve Mollusc Poduction areas under Regulation (EU)2019/627.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	iene cipa ruct		on
name	CEFAS Medium Classified as bivalve Mollusc Production areas under Regulation (EU)2019/627.  CEFAS Medium Mussels. Operation	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055		
Lune	CEFAS	Medium	Production areas under Regulation	Operational													
Menai Straits - West	CEFAS	Medium	Mussels.	Operational													
Mersey	CEFAS	Medium	Classified as bivalve Mollusc Production areas under Regulation (EU) 854/2004.	Operational													
Morecambe Bay	CEFAS	Medium	Classified as bivalve Mollusc Production areas under Regulation (EU)2019/627: C.Edule, Mytilus spp, C gigas.	Operational													
Morecambe Bay - Roosebeck	CEFAS	Medium	Classified as bivalve Mollusc Production areas under Regulation (EU)2019/627: C.Edule, Mytilus spp, C gigas.	Operational													
Morecambe Roosebeck	CEFAS	Medium	Classified as bivalve Mollusc Production areas under Regulation (EU)2019/627: C.Edule, Mytilus spp, C gigas.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	cipa		
name		assessment	cupacity/codic/200011ption	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Ribble	CEFAS	Medium	Classified as bivalve Mollusc Production areas under Regulation (EU)2019/627.	Operational													
Silloth	CEFAS	Medium	Shellfishery: Mussels, Cockles, and Pacific Oyster classification zones.	Operational													
Swansea	CEFAS	Medium	Mussels.	Operational													
T01/004 (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/008A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/009 (Carlingford Lough)	EMODnet	Medium	Carlingford Lough aquaculture site.	Operational													
T01/012 (Carlingford Lough)	EMODnet	Medium	Carlingford Lough aquaculture site.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	iene cipa ructi	ted	on
name	Data Source	assessment	Capacity/Coale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
T01/018A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster, Manila Clam.	Operational													
T01/018B (Carlingford Lough)	EMODnet	Medium	Pacific Oyster, Manila Clam.	Operational													
T01/019 (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/020 (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/021 (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/023A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/024 (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	ene cipa ructi	ited	on
name	Buta 300100	assessment	Capacity/Coalc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
T01/025A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/025C (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/026A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/029B (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/043A (Carlingford Lough)	EMODnet	Medium	Carlingford Lough aquaculture site.	Operational													
T01/043B (Carlingford Lough)	EMODnet	Medium	Pacific Oyster, Manila Clam.	Operational													
T01/043C (Carlingford Lough)	EMODnet	Medium	Carlingford Lough aquaculture site.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	iene cipa ructi	ited	on
name	Data Source	assessment	Capacity/Coale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
T01/044A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/044B (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T01/050C (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/056D1 (Carlingford Lough)	EMODnet	Medium	Ireland aquaculture site.	Operational													
T01/059A1 (Carlingford Lough)	EMODnet	Medium	Carlingford Lough aquaculture site.	Operational													
T01/060A1 (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/061A1(Car lingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	ene cipa ructi	ted	on
name	Data Source	assessment	Capacity/Coalc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
T01/064/1 (Knockbridge)	EMODnet	Medium	Sea Trout, Atlantic Salmon.	Operational													
T01/066A (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/070A1 (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/071A (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/072B1 (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/074A2 (Carlingford Lough)	EMODnet	Medium	Carlingford Lough aquaculture site.	Operational													
T01/102A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes sset	the	anti	iene cipa ructi	ted	
name	Data Source	assessment	Capacity/Coale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
T01/105A (Carlingford Lough)	EMODnet	Medium	Blue Mussel.	Operational													
T01/120A (Carlingford Lough)	EMODnet	Medium	Ireland aquaculture site.	Operational													
T01/121A (Carlingford Lough)	EMODnet	Medium	Pacific Oyster.	Operational													
T32/004	EMODnet	Medium	Rainbow Trout.	Operational													
T32/005 (Coatsbridge, Woodenbridge)	EMODnet	Medium	Rainbow Trout.	Operational													
T32/012	EMODnet	Medium	Rainbow Trout, Aughrim.	Operational													
T32/027A (Clogga Bay)	EMODnet	Medium	Blue Mussel.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	As	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	iene cipa ruct	ted	on
name	Data Source	assessment	Cupacity/Coulc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Three Rivers	CEFAS	Medium	Cockles.	Operational													
UK_0008	EMODnet	Medium	England Aquaculture site.	Operational													
UK_0011	EMODnet	Medium	England Aquaculture site.	Operational													
UK_0012	EMODnet	Medium	England Aquaculture site.	Operational													
UK_0014	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0015	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0016	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0020	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0021	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0023	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0026	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0030	EMODnet	Medium	England Aquaculture site.	Operational													
UK_0032	EMODnet	Medium	England Aquaculture site.	Operational													
UK_0038	EMODnet	Medium	Welsh aquaculture site.	Operational													

Project, plan or activity	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	leno	tes sset	the	anti	iene cipa ructi	ted	on
name		assessment	Capacity/Codio/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
UK_0038	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0040	EMODnet	Medium	Freshwater Aquaculture: Trout and Salmon. Production: Egg, Fry and Fingerling. Production level: 4 million fish annually.	Operational													
UK_0088	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0092	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0101	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0105	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0112	EMODnet	Medium	Welsh aquaculture site.	Operational													
UK_0117	EMODnet	Medium	Aquaculture site.	Operational													
UK_0119	EMODnet	Medium	Aquaculture site.	Operational													
UK_0121	EMODnet	Medium	Aquaculture site.	Operational													
UK_0122	EMODnet	Medium	Aquaculture site.	Operational													
UK_0142	EMODnet	Medium	Aquaculture site.	Operational													
UK_0160	EMODnet	Medium	Scotland aquaculture site.	Operational													

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	(blu	ıe li	ne d atio	eno	tes set	the	anti	ene cipa ruct	ited	
name	Data Source	assessment	Capacity/Codic/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
UK_0162	EMODnet	Medium	Aquaculture site.	Operational													
UK_0184	EMODnet	Medium	Aquaculture site.	Operational													
UK_0191	EMODnet	Medium	Aquaculture site.	Operational													
UK_0193	EMODnet	Medium	Aquaculture site.	Operational													
UK_0196	EMODnet	Medium	Sea Trout, Salmons, trouts, Smelts. Grow out for human consumption.	Operational													
UK_0236	EMODnet	Medium	Oysters, Pacific cupped oyster - Crassostrea gigas. Production method: Trestles or Trays.	Operational													
UK_0273	EMODnet	Medium	Oysters: European Flat Oyster - Ostrea eduli. Production: Beds.	Operational													





1.7.3 Commercial fisheries – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: <b>Screened in to assessment.</b>
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

			Morgan Generation Assets topic screening													
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore		
Anglesey - Inland Sea	78.0	d	d	d	d	d	d	d	d	d	d	а	d	d		
Anglesey - Red Wharf Bay	66.6	d	d	d	d	d	d	d	d	d	d	а	d	d		
Burry Inlet	247.8	d	d	d	d	d	d	d	d	d	d	а	d	d		
Dee	72.3	d	d	d	d	d	d	d	d	d	d	а	d	d		
IE_1050	124.5	d	d	d	d	d	d	d	d	d	d	а	d	d		
IE_1094	128.7	d	d	d	d	d	d	d	d	d	d	а	d	d		

		Morgan Generation Assets topic screening													
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
Liverpool Bay - Wirral	70.8	d	d	d	d	d	d	d	d	d	d	а	d	d	
Lune	49.2	d	d	d	d	d	а	а	d	d	d	а	d	d	
Menai Straits - West	83.1	d	d	d	d	d	d	d	d	d	d	а	d	d	
Mersey	73.1	d	d	d	d	d	d	а	d	d	d	а	d	d	
Morecambe Bay	51.6	d	d	d	d	d	d	d	d	d	d	а	d	d	
Morecambe Bay - Roosebeck	43.3	d	d	d	d	d	d	d	d	d	d	а	d	d	
Morecambe Roosebeck	41.7	d	d	d	d	d	d	d	d	d	d	а	d	d	
Ribble	53.3	d	d	d	d	d	а	а	d	d	d	а	d	d	
Silloth	88.8	d	d	d	d	d	d	а	d	d	d	а	d	d	
Swansea	254.8	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/004 (Carlingford Lough)	128.5	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/008A (Carlingford Lough)	128.0	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/009 (Carlingford Lough)	128.6	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/012 (Carlingford Lough)	128.6	d	d	d	d	d	d	d	d	d	d	а	d	d	

		Morgan Generation Assets topic screening													
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
T01/018A (Carlingford Lough)	125.0	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/018B (Carlingford Lough)	125.4	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/019 (Carlingford Lough)	127.1	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/020 (Carlingford Lough)	127.0	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/021 (Carlingford Lough)	125.2	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/023A (Carlingford Lough)	128.2	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/024 (Carlingford Lough)	127.3	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/025A (Carlingford Lough)	126.8	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/025C (Carlingford Lough)	124.9	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/026A (Carlingford Lough)	126.3	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/029B (Carlingford Lough)	132.0	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/043A (Carlingford Lough)	126.7	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/043B (Carlingford Lough)	127.5	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/043C (Carlingford Lough)	126.9	d	d	d	d	d	d	d	d	d	d	а	d	d	

			Morgan Generation Assets topic screening												
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
T01/044A (Carlingford Lough)	126.6	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/044B (Carlingford Lough)	127.7	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/050C (Carlingford Lough)	131.8	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/056D1 (Carlingford Lough)	130.7	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/059A1 (Carlingford Lough)	126.9	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/060A1 (Carlingford Lough)	126.9	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/061A1(Carlingford Lough)	133.2	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/064/1 (Knockbridge)	147.4	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/066A (Carlingford Lough)	132.3	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/070A1 (Carlingford Lough)	132.8	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/071A (Carlingford Lough)	129.0	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/072B1 (Carlingford Lough)	128.3	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/074A2 (Carlingford Lough)	132.5	d	d	d	d	d	d	d	d	d	d	а	d	d	
T01/102A (Carlingford Lough)	125.1	d	d	d	d	d	d	d	d	d	d	а	d	d	

					Mor	gan Ge	neratio	n Asse	ts topic	scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
T01/105A (Carlingford Lough)	129.8	d	d	d	d	d	d	d	d	d	d	а	d	d
T01/120A (Carlingford Lough)	127.5	d	d	d	d	d	d	d	d	d	d	а	d	d
T01/121A (Carlingford Lough)	125.5	d	d	d	d	d	d	d	d	d	d	а	d	d
T32/004	189.0	d	d	d	d	d	d	d	d	d	d	а	d	d
T32/005 (Coatsbridge, Woodenbridge)	187.9	d	d	d	d	d	d	d	d	d	d	а	d	d
T32/012	190.1	d	d	d	d	d	d	d	d	d	d	а	d	d
T32/027A (Clogga Bay)	189.4	d	d	d	d	d	d	d	d	d	d	а	d	d
Three Rivers	239.8	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0008	88.3	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0011	48.5	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0012	39.0	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0014	78.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0015	258.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0016	75.0	d	d	d	d	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
UK_0020	85.3	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0021	91.4	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0023	171.8	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0026	171.8	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0030	142.2	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0032	114.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0038	142.2	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0038	114.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0040	114.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0088	149.7	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0092	125.9	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0101	112.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0105	116.8	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0112	127.3	d	d	d	d	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
UK_0117	123.8	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0119	149.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0121	149.0	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0122	91.3	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0142	114.6	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0160	177.1	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0162	177.1	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0184	149.8	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0191	149.5	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0193	91.3	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0196	116.2	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0236	175.9	d	d	d	d	d	d	d	d	d	d	а	d	d
UK_0273	113.7	d	d	d	d	d	d	d	d	d	d	а	d	d





- 1.8 Offshore cumulative effects matrix oil and gas
- 1.8.1.1 The following oil and gas projects are shown in Figure 1.7 and Figure 1.8.



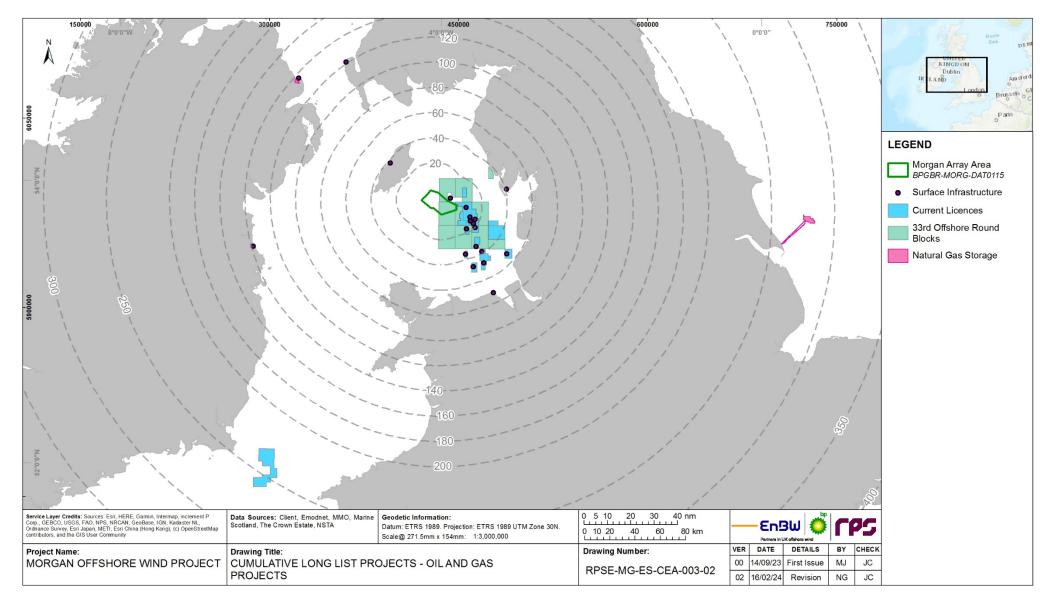


Figure 1.7: Oil and gas projects, plans and activities considered in the Morgan Generation Assets CEA.



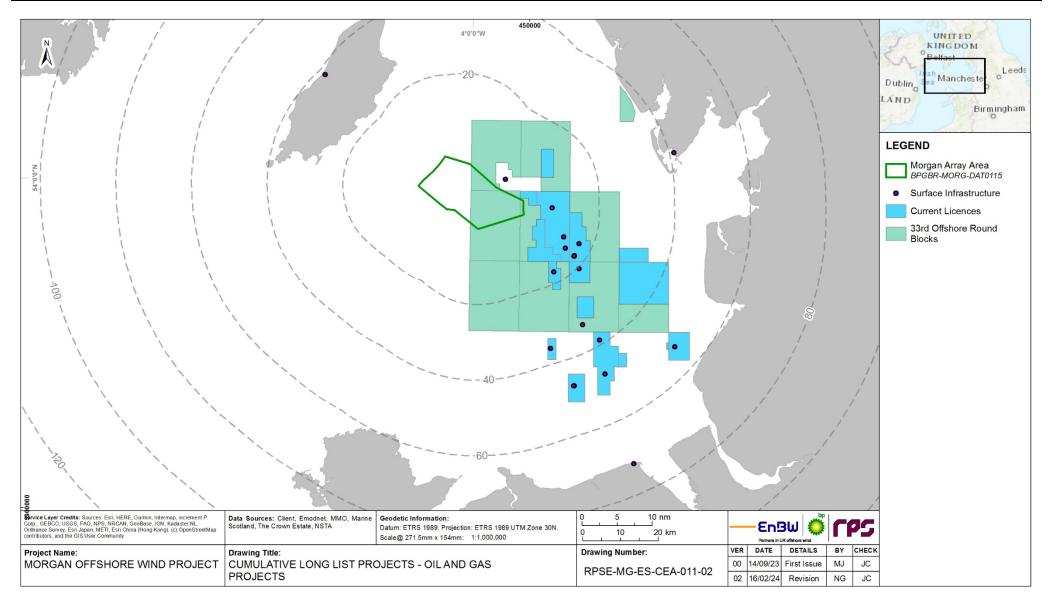


Figure 1.8: Oil and gas projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to east Irish Sea).





1.8.2 Oil and gas – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes :	orga the a	antic	cipa		on
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
110/12a	NSTA	High	Currently licenced UKCS block (2007 to 2033).	Operational													
110/13a	NSTA	High	Currently licenced UKCS block (1989 to 2025).	Operational													
110/13b	NSTA	High	Currently licenced UKCS block (1989 to 2025).	Operational													
110/14a	NSTA	High	Currently licenced UKCS block.	Operational													
110/14c	NSTA	High	Currently licenced UKCS block.	Operational													
110/15a	NSTA	High	Currently licenced UKCS block (1991 to 2027).	Operational													
110/2a	NSTA	High	Currently licenced UKCS block.	Operational													
110/2b	NSTA	High	Currently licenced UKCS block (1989 to 2025).	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes i	orga the a	antio	cipa		on
name	source	assessment	Capacity/Codic/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
110/2c	NSTA	High	Currently licenced UKCS block (1989 to 2025).	Operational													
110/3a	NSTA	High	Currently licenced UKCS block.	Operational													
110/4a	NSTA	High	Currently licenced UKCS block (2019 to 2048).	Operational													
110/7a	NSTA	High	Currently licenced UKCS block.	Operational													
110/8a	NSTA	High	Currently licenced UKCS block.	Operational													
110/8c	NSTA	High	Currently licenced UKCS block.	Operational													
110/9c	NSTA	High	Currently licenced UKCS block.	Operational													
113/27b	NSTA	High	Currently licenced UKCS block (2007 to 2033).	Operational													
33rd Offshore Round Block: 110/6	NSTA	High	Block reference 110/6. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu 1 Ge	e lir	ne d atio	eno	tes t sets	the a	antio	cipa		on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
33rd Offshore Round Block: 110/7b	NSTA	High	Block reference 110/7b. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
33rd Offshore Round Block: 110/8b	NSTA	High	Block reference 110/8b. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
33rd Offshore Round Block: 110/9a	NSTA	High	Block reference 110/9a. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu 1 Ge	e lir	ne d atio	eno	tes t sets	the a	antio	cipa		on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
33rd Offshore Round Block: 113/24	NSTA	High	Block reference 113/24. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
33rd Offshore Round Blocks: 110/1	NSTA	High	Block reference 110/1. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
33rd Offshore Round Blocks: 110/2d	NSTA	High	Block refernce 110/2d. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	h the enot n As ndo	tes i	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
33rd Offshore Round Blocks: 110/3b	NSTA	High	Block reference 110/3b. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
33rd Offshore Round Blocks: 113/26c	NSTA	High	Block reference 113/26c. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
33rd Offshore Round Blocks: 113/27c	NSTA	High	Block reference 113/27c. Block on offer as part of the oil and gas licensing round expected to conclude in the second quarter of 2023. With the deadline for applications on Thursday the 12 January 2023.	Pre-Application													
Barrow-in- Furness Gas Terminal	NSTA	High	BARROW-IN-FURNESS GAS TERMINAL.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lii	ne d atio	eno	tes set	the	anti	iene cipa ructi	ted	on
name	source	assessment	Capacity/Coalc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Braymore Point terminal	SSE Renewables	High	BRAYMORE POINT TERMINAL.	Operational													
Calder platform	NSTA	High	Calder platform.	Operational													
Conwy platform	NSTA	High	A Not Permanently Attended Installation (NPAI) platform in the Conwy field.	Operational													
Corsewall Point	NSTA	High	Terminal off Dumfries and Galloway.	Operational													
Douglas DA	NSTA	High	Douglas DA platform.	Operational													
Douglas DP	NSTA	High	Douglas drilling platform.	Operational													
Douglas DW	NSTA	High	Douglas drilling well.	Operational													
Glen Mooan	NSTA	High	19 km pipleine to supply natural gas to existing Manx Gas customers in Kirk Michael, Ballaugh and Ramsey.	Operational													
Hamilton North platform	NSTA	High	Hamilton north gas platform.	Operational													
Hamilton platform	NSTA	High	Hamilton gas platform.	Operational													
Island Magee	NSTA	High	Island Magee terminal.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes t	the	anti	iene cipa ructi	ted	on
name	source	assessment	Capacity/Coalc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Isle of Man Crogga Licence: 112/25	Energy-Pedia	High	Block reference 112/25. Within Isle of Man territorial waters.  266 km² offshore the northeast coast of the Isle of Man. To drill an appraisal well.	Construction													
Larne Lough	The Crown Estate	High	The licence shall refer to the creation of seven underground caverns in the Permian salt deposits below Larne Lough.	Operational													
Larne Lough (Area 2)	The Crown Estate	High	Salt cavern largescale gas storage project.	Permitted but not yet implemented													
Lennox	NSTA	High	Lennox oil platform.	Operational													
Millom West platform	Harbour Energy	High	Millom west field platform	Decommisioning													
North Morcambe platform	NSTA	High	North Morecambe platform.	Operational													
North Morecambe DPPA platform	NSTA	High	North Morecambe drilling and production platform.	Operational													
Offshore Storage Installation (OSI)	NSTA	High	North Morecambe drilling and production platform.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Те	Ass	ets	ove (blu ı Ge	e lir	ne do ation	eno	tes t	the a	antic	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Point of Ayr	NSTA	High	The Point of Ayr Gas Terminal is a gas terminal situated on the Point of Ayr in Flintshire, Wales. It takes gas from eni's Liverpool Bay Development.	Operational													
Rough Gas Storage Facility and Pipelines	Centrica	High	The reopened Rough gas storage facility, with the ability to store up to 30 billion cubic feet (bcf) of gas for UK homes and businesses.	Operational													
SEL1/07	Irish Government	High	Oil and gas active area in Ireland.	Operational													
South Morecambe AP1 platform	NSTA	High	South Morecambe accommodation platform 1.	Operational													
South Morecambe CPP1 platform	NSTA	High	Central production platform.	Operational													
South Morecambe CPP1 platform	NSTA	High	South Morecambe central processing platform.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes i	the a	antic	ene cipa ucti	ted	on
name	source	assessment	Capacity/Coulc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
South Morecambe DP1 platform	NSTA	High	South Morecambe drilling platform 1.	Operational													
South Morecambe DP3 platform	NSTA	High	South Morecambe drilling platform 3.	Decommisioning													
South Morecambe DP4 platform	NSTA	High	South Morecambe drilling platform 4.	Decommisioning													
South Morecambe DP6 platform	NSTA	High	South Morecambe drilling platform 6.	Operational													
South Morecambe DP8 platform	NSTA	High	South Morecambe drilling platform 8.	Operational													
South Morecambe FL1 platform	NSTA	High	South Morecambe flare platform.	Operational													





1.8.3 Oil and gas – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment:  Screened in to assessment.
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
110/12a	33.2	d	d	d	d	d	а	d	d	а	d	а	d	d
110/13a	36.1	d	d	d	d	d	а	d	d	а	d	а	d	d
110/13b	43.7	d	d	d	d	d	а	d	d	а	d	а	d	d
110/14a	44.4	d	d	d	d	d	а	d	d	а	d	а	d	d
110/14c	50.8	d	d	d	d	d	а	d	d	а	d	а	d	d
110/15a	49.4	d	d	d	d	d	а	d	d	а	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
110/2a	3.5	d	d	d	d	d	а	а	d	а	d	а	d	d
110/2b	3.6	d	d	d	d	d	а	а	d	а	d	а	d	d
110/2c	0.3	d	d	d	d	d	а	а	f	а	d	а	d	d
110/3a	12.3	d	d	d	d	d	а	а	d	а	d	а	d	d
110/4a	26.8	d	d	d	d	d	а	а	d	а	d	а	d	d
110/7a	14.0	d	d	d	d	d	а	а	d	а	d	а	d	d
110/8a	17.3	d	d	d	d	d	а	а	d	а	d	а	d	d
110/8c	25.9	d	d	d	d	d	а	а	d	а	d	а	d	d
110/9c	28.2	d	d	d	d	d	а	а	d	а	d	а	d	d
113/27b	7.9	d	d	d	d	d	а	а	d	а	d	а	d	d
33rd Offshore Round Block: 110/6	8.4	е	е	е	е	d	е	е	d	а	d	е	е	е
33rd Offshore Round Block: 110/7b	11.4	е	е	е	е	d	е	е	d	а	d	е	е	е
33rd Offshore Round Block: 110/8b	21.5	е	е	е	е	d	е	е	d	а	d	е	е	е
33rd Offshore Round Block: 110/9a	34.5	е	е	е	е	d	е	е	d	а	d	е	е	е

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
33rd Offshore Round Block: 113/24	33.0	е	е	е	е	d	е	е	d	d	d	Ф	е	е
33rd Offshore Round Blocks: 110/1	0.0	е	е	е	е	d	е	е	f	а	d	е	е	е
33rd Offshore Round Blocks: 110/2d	0.0	е	е	е	е	d	е	е	f	а	d	е	е	е
33rd Offshore Round Blocks: 110/3b	12.2	е	е	е	е	d	е	е	d	а	d	е	е	е
33rd Offshore Round Blocks: 113/26c	0.0	е	е	е	е	d	е	е	d	а	d	е	е	е
33rd Offshore Round Blocks: 113/27c	5.3	е	е	е	е	d	е	е	d	а	d	е	е	е
Barrow-in-Furness Gas Terminal	41.9	d	а	а	d	d	а	а	d	d	d	а	d	d
Braymore Point terminal	138.4	d	d	d	d	d	d	d	d	d	d	а	d	d
Calder platform	17.1	а	а	а	d	d	а	а	d	а	С	а	b	b
Conwy platform	35.8	а	а	а	d	d	а	а	d	а	С	а	b	b
Corsewall Point	121.8	d	d	d	d	d	d	d	d	d	d	а	d	d
Douglas DA	47.1	d	а	а	d	d	а	а	d	а	d	а	b	b
Douglas DP	47.1	d	а	а	d	d	а	а	d	а	С	а	b	b

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Douglas DW	47.2	d	а	а	d	d	а	а	d	а	d	а	b	b
Glen Mooan	38.1	d	а	а	d	d	d	d	d	d	d	а	d	d
Hamilton North platform	38.8	d	а	а	d	d	а	а	d	а	С	а	d	d
Hamilton platform	47.3	d	а	а	d	d	а	а	d	а	С	а	d	d
Island Magee	137.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Isle of Man Crogga Licence: 112/25	9.6	f	С	С	d	d	а	а	d	а	d	а	d	d
Larne Lough	134.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Larne Lough (Area 2)	136.0	d	d	d	d	d	d	d	d	d	d	d	d	d
Lennox	53.1	d	d	d	d	d	а	а	d	а	С	а	d	d
Millom West platform	3.1	С	С	е	d	d	а	а	d	а	С	а	f	f
North Morcambe platform	7.7	а	а	а	d	d	а	а	d	а	С	а	d	d
North Morecambe DPPA platform	7.7	а	а	а	d	d	а	а	d	а	С	а	d	d
Offshore Storage Installation (OSI)	33.0	d	d	а	d	d	а	а	d	а	d	а	d	d
Point of Ayr	72.0	d	d	d	d	d	d	а	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Rough Gas Storage Facility and Pipelines	259.1	d	d	d	d	d	d	d	d	d	d	а	d	d
SEL1/07	228.1	d	d	d	d	d	d	а	d	d	d	а	d	d
South Morecambe AP1 platform	17.3	а	а	а	d	d	а	а	d	а	d	а	d	d
South Morecambe CPP1 platform	17.3	а	а	а	d	d	а	а	d	а	С	а	b	b
South Morecambe CPP1 platform	17.3	а	а	а	d	d	а	а	d	а	d	а	d	d
South Morecambe DP1 platform	17.4	а	а	а	d	d	а	а	d	а	d	а	d	d
South Morecambe DP3 platform	20.5	d	f	f	d	d	f	а	d	а	d	f	d	d
South Morecambe DP4 platform	16.6	f	f	f	d	d	f	а	d	а	d	f	d	d
South Morecambe DP6 platform	14.2	а	а	а	d	d	а	а	d	а	d	а	b	b
South Morecambe DP8 platform	12.2	а	а	а	d	d	а	а	d	а	d	а	b	b
South Morecambe FL1 platform	17.2	а	а	а	d	d	а	а	d	а	d	а	b	b





- 1.9 Offshore cumulative effects matrix cables and pipelines
- 1.9.1.1 The following cable and pipelines projects are shown in Figure 1.9.



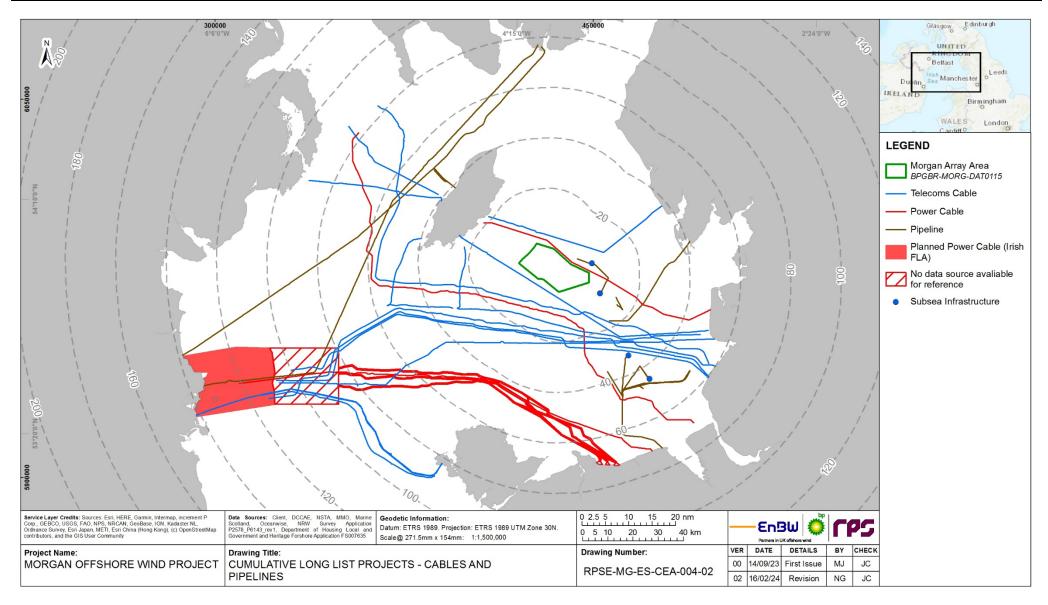


Figure 1.9: Cable and pipeline projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to east Irish Sea).





1.9.2 Cable and pipeline – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	oral sets rgar	(blu	e lir	ne d atio	eno	tes t	the a	anti	cipa	ted	on
name	source	The fibre optic submarine telecommunications cable system BT-MT-1 became ready for	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055	
BT-MT1 cable	KIS-ORCA	Medium	telecommunications cable	Operational													
BT-TE1 cable	Irish Government	Medium	BT telecommunications cable.	Operational													
Calder to Rivers onshore terminal pipeline	North Sea Transition Area (NSTA)	High	Calder to Rivers onshore terminal 24IN gas line.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	witl ne de ation wi	eno	tes i	the a	antio	cipa	ted	
name	source	assessment	The fibre optic submarine telecommunications cable system CeltixConnect became ready for	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Celtixconnect cable	KIS-ORCA	Medium	telecommunications cable system	Operational													
Conwy to Douglas export pipeline	NSTA	High	Offshore oil field development. Location: east Irish Sea, UK.	Operational													
Dalton PLEM	NSTA	High	Dalton Pipeline End Manifold.	Operational													
Dalton PLEM to Dalton Wellhead R1 pipeline	NSTA	High	Dalton gas field Pipe Line End Manifold to Dalton Wellhead.	Operational													
Dalton PLEM to Dalton Wellhead R2 pipeline	NSTA	High	Dalton gas field Pipe Line End Manifold to Dalton Wellhead.	Operational													
Dalton PLEM to DPPA pipeline	NSTA	High	Dalton gas field Pipe Line End Manifold to North Morecambe Drilling and Production Platform.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu ı Ge	e lir	ne d atio	eno	tes :	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dalton Wellhead R1 to Dalton PLEM pipeline	NSTA	High	Dalton gas field wellhead to Dalton Pipe Line End Manifold.	Operational													
DD-POA Gas export pipeline	NSTA	High	Liverpool Bay Asset. Gas Export from Douglas. Length: 32.1 km.	Operational													
Douglas to CACM pipeline	NSTA	High	Douglas to CACM Barge.	Operational													
Douglas to Conwy condensate injection pipeline	NSTA	High	Douglas field to Conwy condensate injection.	Operational													
Douglas to Conwy umbilical cable	NSTA	High	Douglas field to Conwy umbilical cable.	Operational													
Douglas to Conwy water injection pipeline	NSTA	High	Douglas field to Conwy water injection pipeline.	Operational													
Douglas to Hamilton North pipeline	NSTA	High	Douglas field to Hamilton north pipeline.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	an G antio	cipa	ted	on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Douglas to Hamilton pipeline	NSTA	High	Douglas field to Hamilton platform pipeline.	Operational													
Douglas to Lennox chem pipeline (PL1037)	NSTA	High	Douglas field to Lennox chemical pipeline.	Operational													
Douglas to Lennox chem pipeline (PL1038)	NSTA	High	Douglas field to Lennox chemical pipeline.	Operational													
Douglas to Lennox gas pipeline (PL1036A)	NSTA	High	Douglas field to Lennox gas pipeline.	Operational													
East-West Interconnector cable	KIS-ORCA	Medium	The East West Interconnector is a 500 MW High Voltage direct current submarine and subsoil power cable which connects the Irish and British Electricity markets. The project was developed by the Irish National grid operator EirGrid.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Те	Ass	ets	ove (blu ı Ge	e lir	ne d atio	eno	tes i	the	antic	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Emerald Bridge cable	KIS-ORCA	Medium	The fiber optic submarine telecommunications cable system Emerald Bridge Fibres became ready for service around December 2012. The system has a length of 120 km and is owned and/or operated by a consortium consisting of ESB Telecoms, Zayo Group.	Operational													
ESAT 2 cable	Irish Government	Medium	The fibre optic submarine telecommunications cable system ESAT-2 became ready for service around 2000. The system has a length of 245 km and is owned and/or operated by Esat BT.	Operational													
Hamilton East pipeline	NSTA	High	Hamilton east pipeline.	Operational													
Hamilton East pipeline manifold	NSTA	High	Hamilton east nineline end	Operational													
Hamilton East umbilical pipeline	NSTA	High	Umbilical pipeline for Hamilton east.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	ove (blu ı Ge	e lir	ne d atio	eno	tes t	the a	antic	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Hamilton to Douglas gas pipeline	NSTA	High	Gas line from Hamilton to Douglas.	Operational													
HAV 1.2 cable	KIS-ORCA	Medium	Type: Telecom The Havhingsten cable system is a 940 km submarine cable system connecting the UK to the Nordics, with landings in Ireland, the Isle of Man, Blackpool and Newcastle in England, and Denmark.	Submitted but not yet determined													
HAV 1.3 cable	KIS-ORCA	Medium	Type: Telecom The Havhingsten cable system is a 940 km submarine cable system connecting the UK to the Nordics, with landings in Ireland, the Isle of Man, Blackpool and Newcastle in England, and Denmark.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	an G antio	cipa	ted	on
name	source	assessment	Supudity/Sould/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
HAV 1.4 cable	KIS-ORCA	Medium	Type: Telecom The Havhingsten cable system is a 940 km submarine cable system connecting the UK to the Nordics, with landings in Ireland, the Isle of Man, Blackpool and Newcastle in England, and Denmark.	Submitted but not yet determined													
HAV 1.5 cable	KIS-ORCA	Medium	Type: Telecom The Havhingsten cable system is a 940 km submarine cable system connecting the UK to the Nordics, with landings in Ireland, the Isle of Man, Blackpool and Newcastle in England, and Denmark.	Submitted but not yet determined													
Hiberna Atlantic Seg. A	KIS-ORCA	Medium	EXA Atlantic (formerly GTT Atlantic, Hibernia Atlantic) is a 12,200 km private transatlantic submarine cable system in the North Atlantic Ocean, connecting Canada, the United States, Ireland and the United Kingdom. The EXA Altlantic consists of EXA South and EXA North cables.	Operational													

Project, plan or activity	Data	Data confidence assessment	Capacity/Scale/Description	Status of													
name	source			Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Hiberna Atlantic Seg. C cable	KIS-ORCA	Medium	EXA Atlantic (formerly GTT Atlantic, Hibernia Atlantic) is a 12,200 km private transatlantic submarine cable system in the North Atlantic Ocean, connecting Canada, the United States, Ireland and the United Kingdom. The EXA Altlantic consists of EXA South and EXA North cables.	Operational													
Isle of Man Control Umbilical cable (IOMCU)	NSTA	High	72.80 mm hydraulic umbilical cable.	Operational													
Isle of Man Spur pipeline (IOMS)	NSTA	High	273.00 mm gas pipeline.	Operational													
Isle of Man-UK Interconnector 2	Manx Utilities	High	A new 70 MW to 100 MW HVAC interconnector to be deployed by 2030 between Pulrose substation and northwest England Distribution network.	Pre-application													

Project, plan or activity	Data	contidence Canacity/Scale/Description			Data Confidence Canacity/Scale/Description Status	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	antic	ene cipa ucti	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055		
Isle of Man-UK Interconnector cable	KIS-ORCA	Medium	Spans a distance of 104 km and is the world's longest AC power interconnector, linking the Isle of Man to the UK National Grid. Connects Isle of Man to Bispham on the Lancashire coast. Installed September 2000.	Operational															
LANIS 1 cable	KIS-ORCA	Medium	The system has a length of 113 km and is owned and/or operated by Vodafone.	Operational															
LANIS 2 cable	KIS-ORCA	Medium	The system has a length of 67 km and is owned and/or operated by Vodafone.	Operational															
Lennox to Douglas gas pipeline	NSTA	High	Gas line from Lennox to Douglas.	Operational															
MANX- N.IRELAND cable	KIS-ORCA	Medium	BT telecommunications cable.	Operational															
MaresConnect cable	Maresconnect	High	MaresConnect is a proposed 750 MW subsea and underground electricity interconnector system linking the electricity grids in Ireland and Great Britain.	Pre-application															

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Temporal overlap with the Morgan Generation Assets (blue line denotes the anticipated Morgan Generation Assets construction window)													
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055	
Millom East PLEM	NSTA	High	Millom east pipeline end manifold.	Operational														
Millom PLEM	NSTA	High	Millom pipeline end manifold.	Operational														
Millom PLEM to DPPA pipeline	NSTA	High	Millom pipeline end manifold to North Morecambe Drilling and Production Platform.	Operational														
Millom PLEM to Millom wellhead Q1 pipeline	NSTA	High	Millom pipeline end manifold to Millom Wellhead.	Operational														
Millom PLEM to Millom wellhead Q3 chem pipeline	NSTA	High	Millom pipeline end manifold to Millom Wellhead chemical line.	Operational														
Millom PLEM to Millom West pipeline	NSTA	High	Millom pipeline end manifold to Millom West.	Operational														
Millom wellhead Q1 to Millom PLEM pipeline	NSTA	High	Millom wellhead Q1 to Millom PLEM 8IN gas.	Operational														

Project, plan or activity	Data	Data source		Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	an G antio	cipa		on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055		
Millom wellhead Q2 to Millom PLEM pipeline	NSTA	High	Millom wellhead Q2 to Millom PLEM 8IN gas.	Operational															
Millom wellhead Q3 to Millom PLEM pipeline	NSTA	High	Millom wellhead Q3 to Millom PLEM 8IN gas.	Operational															
Millom West to Millom PLEM pipeline	NSTA	High	Millom West to Millom PLEM 12IN gas line.	Operational															
PLEM at OSI	NSTA	High	Pipleine end manifold at OSI.	Operational															
Rockabill cable	KIS-ORCA	Medium	The Rockabill project (also know as Super Highway 1) is a new combination of submarine cable and terrestrial links that connect Dublin to London and Lowestoft, on the eastern coast of the UK. Cable Length: 221 km. Owners: euNetworks.	Operational															
Sirius South cable	KIS-ORCA	Medium	Interconnector connecting Ireland and England. Cable Length: 219 km. Owners: Virgin Media	Operational															

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Temporal overlap with the Morgan Generation Assets (blue line denotes the anticipated Morgan Generation Assets construction window)												on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
South Morecambe CPP1 to South Morecambe DP6 pipeline	NSTA	High	Morecambe CPP1 platform to DP3 2IN line.	Operational													
South Morecambe CPP1 to South Morecambe DP8 pipeline	NSTA	High	Morecambe CPP1 platform to DP8 2IN line.	Operational													
UK-Ireland Interconnector IC1 pipeline	NSTA	High	UK-Ireland Interconnector, known as Interconnector 1 or IC1, is a gas pipeline running between Scotland and Ireland. A reverse flow, bi-directional development of the pipeline is proposed. Length: 204 km.	Operational													
UK-Ireland Interconnector IC2 pipeline	NSTA	High	IC2 is a natural gas pipeline in Scotland and Ireland. The subsea pipeline is 195 km long and start in Ireland in the city of Gormanston. It ends up in Beattock, Scotland in Irish Sea, Europe (North).	Operational													

Project, plan or activity	Data source		Data confidence	Capacity/Scale/Description	Status of		Ass	ets	ove (blu ı Ge	e lir	ne d atio	eno	tes :	the	anti	cipa	ted	on
name		assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055	
Western Link 1 cable	KIS-ORCA	Medium	The Western Link project consists of installing two 600 kV DC submarine cables in the Irish Sea from Ardneil (Scotland) to Wirral (England).The cable has a total length of about 387 km.	Operational														
Western Link 2 cable	KIS-ORCA	Medium	The Western Link project consists of installing two 600 kV DC submarine cables in the Irish Sea from Ardneil (Scotland) to Wirral (England).The cable has a total length of about 387 km.	Operational														





1.9.3 Cable and pipeline – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: <b>Screened in to assessment.</b>
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
BT-MT1 cable	4.4	d	а	а	а	d	а	а	d	а	d	а	d	d
BT-TE1 cable	82.4	d	d	d	а	d	d	а	d	а	d	а	d	d
Calder to Rivers onshore terminal pipeline	17.1	d	а	а	а	d	а	а	d	а	d	а	d	d
Celtixconnect cable	82.4	d	d	d	а	d	d	а	d	а	d	а	d	d
Conwy to Douglas export pipeline	35.9	d	а	а	а	d	а	а	d	а	d	а	d	d
Dalton PLEM	6.1	d	е	а	а	d	а	а	d	а	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Dalton PLEM to Dalton Wellhead R1 pipeline	6.1	d	а	а	а	d	а	а	d	а	d	а	d	d
Dalton PLEM to Dalton Wellhead R2 pipeline	6.1	d	а	а	а	d	а	а	d	а	d	а	d	d
Dalton PLEM to DPPA pipeline	5.9	d	а	а	а	d	а	а	d	а	d	а	d	d
Dalton Wellhead R1 to Dalton PLEM pipeline	6.1	d	а	а	а	d	а	а	d	а	d	а	d	d
DD-POA Gas export pipeline	47.3	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to CACM pipeline	33.0	d	d	а	а	d	а	а	d	а	d	а	d	d
Douglas to Conwy condensate injection pipeline	35.9	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to Conwy umbilical cable	35.9	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to Conwy water injection pipeline	35.9	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to Hamilton North pipeline	38.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to Hamilton pipeline	44.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to Lennox chem pipeline (PL1037)	44.7	d	а	а	а	d	а	а	d	а	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Douglas to Lennox chem pipeline (PL1038)	44.7	d	а	а	а	d	а	а	d	а	d	а	d	d
Douglas to Lennox gas pipeline (PL1036A)	44.9	d	а	а	а	d	а	а	d	а	d	а	d	d
East-West Interconnector cable	43.5	d	а	а	а	d	а	а	d	а	d	а	d	d
Emerald Bridge cable	87.4	d	d	d	а	d	d	а	d	а	d	а	d	d
ESAT 2 cable	17.9	d	а	а	а	d	а	а	d	а	d	а	d	d
Hamilton East pipeline	38.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Hamilton East pipeline manifold	45.2	d	а	а	а	d	а	а	d	а	d	а	d	d
Hamilton East umbilical pipeline	38.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Hamilton to Douglas gas pipeline	44.8	d	а	а	а	d	а	а	d	а	d	а	d	d
HAV 1.2 cable	53.4	d	d	d	d	е	d	d	d	d	d	а	d	d
HAV 1.3 cable	49.8	d	е	е	d	е	d	d	d	d	d	а	d	d
HAV 1.4 cable	38.9	d	е	е	d	е	d	d	d	d	d	а	d	d
HAV 1.5 cable	38.9	d	е	е	d	е	а	а	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Hiberna Atlantic Seg. A	6.7	d	а	а	а	d	а	а	d	а	d	а	d	d
Hiberna Atlantic Seg. C cable	15.7	d	а	а	а	d	а	а	d	а	d	а	d	d
Isle of Man Control Umbilical cable (IOMCU)	38.9	d	а	а	а	d	а	d	d	а	d	а	d	d
Isle of Man Spur pipeline (IOMS)	38.9	d	а	а	а	d	а	d	d	а	d	а	d	d
Isle of Man-UK Interconnector cable	0.8	а	а	а	а	d	а	а	а	а	d	а	d	d
Isle of Man-UK Interconnector 2		С	С	С	С	е	е	е	е	С	d	е	d	d
LANIS 1 cable	2.2	d	а	а	а	d	а	а	d	а	d	а	d	d
LANIS 2 cable	42.0	d	а	а	а	d	d	d	d	а	d	а	d	d
Lennox to Douglas gas pipeline	44.6	d	а	а	а	d	а	а	d	а	d	а	d	d
MANX-N.IRELAND cable	3.8	d	а	а	а	d	d	d	d	а	d	а	d	d
MaresConnect cable	48.2	d	С	С	С	е	е	С	d	С	d	е	d	d
Millom East PLEM	4.0	d	d	а	а	d	а	а	d	а	d	а	d	d
Millom PLEM	4.0	d	d	а	а	d	а	а	d	а	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topi	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Millom PLEM to DPPA pipeline	3.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom PLEM to Millom wellhead Q1 pipeline	3.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom PLEM to Millom wellhead Q3 chem pipeline	3.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom PLEM to Millom West pipeline	3.0	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom wellhead Q1 to Millom PLEM pipeline	3.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom wellhead Q2 to Millom PLEM pipeline	3.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom wellhead Q3 to Millom PLEM pipeline	3.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Millom West to Millom PLEM pipeline	3.0	d	а	а	а	d	а	а	d	а	d	а	d	d
PLEM at OSI	33.0	d	а	а	а	d	а	а	d	а	d	а	d	d
Rockabill cable	18.8	d	а	а	а	d	а	а	d	а	d	а	d	d
Sirius South cable	20.4	d	а	а	а	d	а	а	d	а	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topi	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
South Morecambe CPP1 to South Morecambe DP6 pipeline	14.2	d	а	а	а	d	а	а	d	а	d	а	d	d
South Morecambe CPP1 to South Morecambe DP8 pipeline	12.2	d	а	а	а	d	а	а	d	а	d	а	d	d
UK-Ireland Interconnector IC1 pipeline	53.4	d	d	d	а	d	а	d	d	а	d	а	d	d
UK-Ireland Interconnector IC2 pipeline	49.8	d	а	а	а	d	а	d	d	а	d	а	d	d
Western Link 1 cable	9.1	d	а	а	а	d	а	а	d	а	d	а	d	d
Western Link 2 cable	48.6	d	а	а	а	d	а	а	d	а	d	а	d	d





- 1.10 Offshore cumulative effects matrix shipping and navigation
- 1.10.1.1 The following shipping and navigation projects are shown in Figure 1.10 and Figure 1.11.



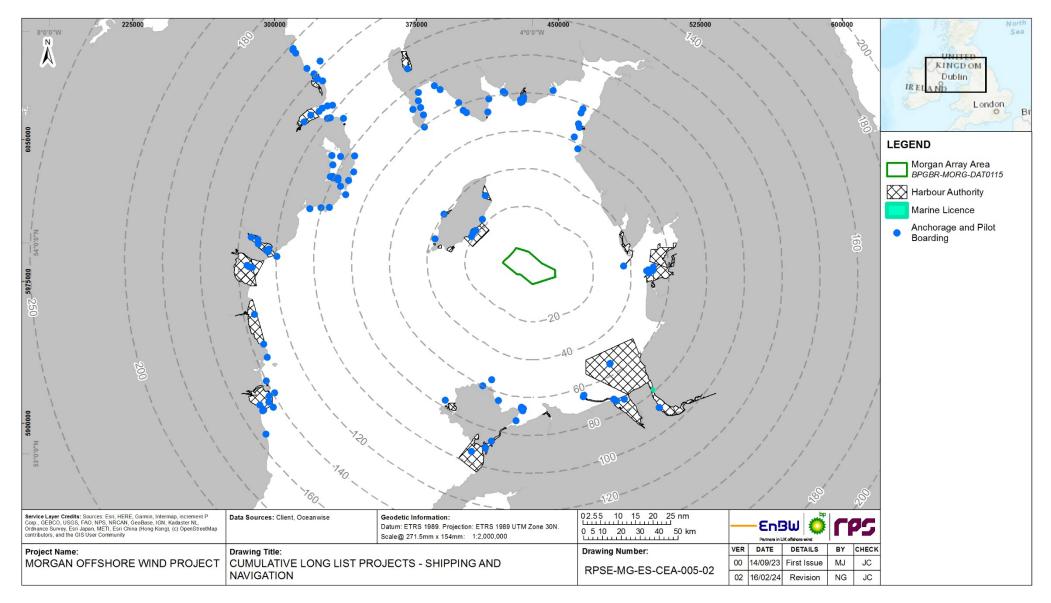


Figure 1.10: Shipping and navigation projects, plans and activities considered in the Morgan Generation Assets CEA.



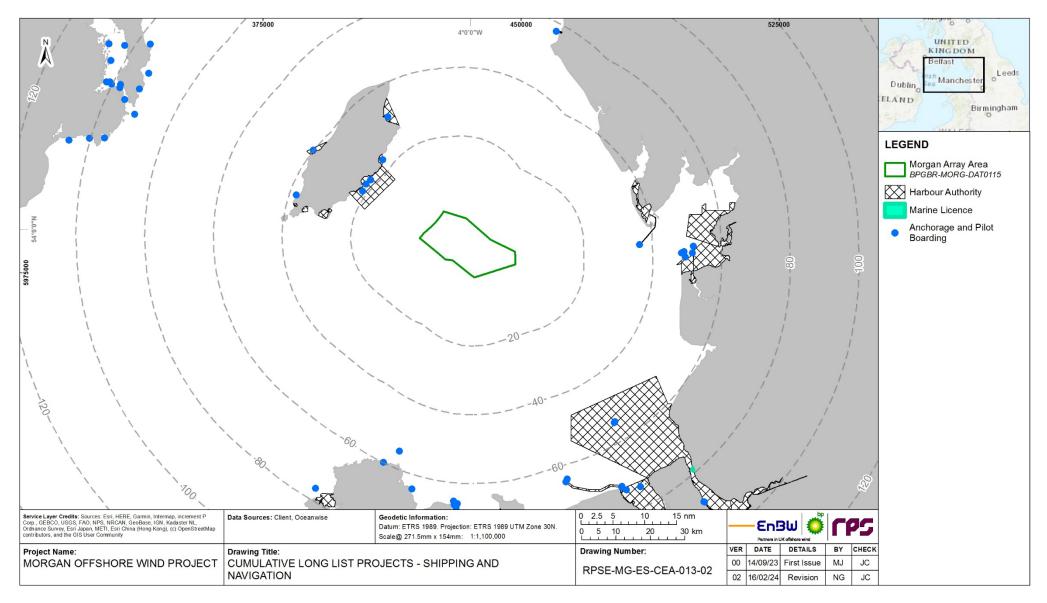


Figure 1.11: Shipping and navigation projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to east Irish Sea).





1.10.2 Shipping and navigation – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes t	the a	antic	cipa		
name  Anchorage areas	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Anchorage areas	Oceanwise	Medium	Designated anchorage areas in the Irish Sea.	Operational													
Belfast Harbour	Oceanwise	Medium	Belfast Harbour is a major maritime hub in Belfast, Northern Ireland, handling 67% of Northern Ireland's seaborne trade and about 25% of the maritime trade of the entire island of Ireland.	Operational													
Caernarfon Harbour Limit	Marine Management Organisation	Medium	Caernarfon Harbour Trust harbour limits are bounded by the Menai Suspension Bridge and Caernarfon Bay. It is also the Competent Harbour Authority responsible for the provision of pilotage throughout the Menai Strait.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes :	the	n G antio	cipa	ted	on
name	source	assessment	Supucity/Coulc/Doscription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Carlingford Lough Harbour Authority	Oceanwise	Medium	Harbour authority for Carlingford Lough.	Operational													
Castletown Harbour	Oceanwise	Medium	Castletown is a heritage harbour consisting of outer and inner drying harbours. It is mainly used by inshore fishing vessels, local and visiting pleasure craft and occasional coasters.	Operational													
Conwy Harbour	Oceanwise	Medium	500 pontoon berths.	Operational													
Dee Conservancy	Oceanwise	Medium	Dee Conservancy is the formal name given to a defined area for which Environment Agency Wales is the conservancy, harbour and local lighthouse authority. This area includes the River Dee and its estuary, extending from Wilcox Point downstream of the weir at Chester, seawards to an imaginary line linking the Point of Ayr on the Welsh coast to Hilbre Point on the Wirral	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu 1 Ge	e lir	ne d atio	eno	tes set	the	anti	cipa	ted	on
name	source	assessment	Oapacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Derbyhaven Harbour	Oceanwise	Medium	A shallow water bay sheltered by an island breakwater, Derbyhaven's southeast position makes it ideal for leisure craft, but not suitable for commercial vessels.	Operational													
Donaghadee Harbour	Oceanwise	Ards and North Down Borough	Ards and North Down Borough Council. Leisure and fishing port.	Operational													
Douglas Harbour Vessel Control Limit	Oceanwise	Medium	Douglas Harbour Vessel Control Limit.	Operational													
Drogheda Port Company Pilotage District	Oceanwise	Medium	Drogheda Port Company Pilotage District.	Operational													
Dublin Port Company	Oceanwise	Medium	Dublin Port Company is a State- owned commercial company responsible for operating and developing Dublin Port. Dublin Port is the largest freight and passenger port in Ireland with all cargo handling activities carried out by private sector companies operating in intensely competitive markets within the Port.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	(blu	e lir	ne d atio	eno	tes i	orga the a	antic	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dundalk Port Company	Oceanwise	Medium	Dundalk is a small port near the mouth of Castletown River, equidistant between Dublin and Belfast. Traffic figures: Approx 350,000t of cargo and 200 vessels handled by the port annually. Dundalk Port Company.	Operational													
Dundalk Port Company Pilotage District	Oceanwise	Medium	Dundalk Port Company Pilotage District.	Operational													
Garlieston Harbour	Oceanwise	Medium	Garlieston Harbour is the base for a few small fishing vessels with several pleasure craft also mooring in the harbour area.	Operational													
Heysham Port	Oceanwise	Medium	Heysham Port.	Operational													
Holyhead Harbour	Oceanwise	Medium	A commercial and ferry port in Anglesey, Wales, handling more than 2 million passengers each year.	Operational													
Howth Harbour	Oceanwise	Medium	Fishing village harbour.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	with ne do ation wi	eno	tes t	the a	antic	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Isle of Whithorn Harbour	Oceanwise	Medium	Dumfries and Galloway. High commerical fisheries importance. Pleasure craft.	Operational													
Lancaster Port	Oceanwise	Medium	Lancaster Port . located at the mouth of the River Lune on the NW coast of England. The port has one dock and a number of river berths with a total quayage of 598 m. These facilities accommodate small coastal general cargo and bulk vessels.	Operational													
Laxey Bay Harbour	Oceanwise	Medium	A small port on the east coast half way between Douglas and Ramsey. It is used by a small number of leisure craft and inshore fishing vessels.	Operational													
Loch Ryan Port	Oceanwise	Medium	Loch Ryan Port is operated by Stena Line Ports Ltd., who are the statutory Harbour Authority.	Operational													
Loch Ryan/Stranraer Harbour	Oceanwise	Medium	Stranraer Harbour is one of the busiest ports in the region due to ferry traffic and fishing vessels.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	ove (blu ı Ge	e lir	ne d atio	eno	tes ( set	he a	antio	cipa	ted	
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Manchester Ship Canal	Oceanwise	Medium	The Manchester Ship Canal is one of the UK's most vibrant trading hubs. Running from the Mersey Estuary into the heart of Manchester, it is a 36-mile-long seaway supporting a range of industries.	Operational													
Mostyn Docks	Oceanwise	Medium	The Port of Mostyn Ltd is located in the central Irish Sea where it has been a significant trading point between the UK and Ireland.	Operational													
New Cruise Liner Terminal Construction at Princes Jetty Site, Liverpool - Application for Marine Management Licence	Marine Management Organisation	High	Liverpool City Council proposes to construct a new Cruise Passenger Terminal at the existing Princes Jetty Site to cater for the year on year increase in passenger numbers since the opening of the existing cruise terminal in 2008.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu ı Ge	e lir	ne d atio	eno	tes i	the	antio	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Peel Harbour	Oceanwise	Medium	Traditionally a major fishing port which used to host a huge fishing fleet, Peel remains the most active fishing port on the Isle of Man.	Operational													
Pilot boarding place	Oceanwise	Medium	Various pilot boarding places in the Irish Sea.	Operational													
Port Erin	Oceanwise	Medium	Port Erin is a seaside village/port in the south-west of the Isle of Man.	Operational													
Port of Barrow	Oceanwise	Medium	The southwest Cumbrian Port of Barrow plays a key role in serving the offshore energy industry in the region described as Britain's "energy coast". The port has 15ha of secure open storage and is the site of BAE Systems' submarine design and manufacturing facility. 110,000 tonnes of cargo are handled by the Port of Barrow each year.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu ı Ge	e lir	ne d atio	eno	tes t	the	antio	cipa		on
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Port of Cairnryan	Oceanwise	Medium	Port of Cairnryan Ltd is the statutory harbour authority governing the operation of Cairnryan port. The company is wholly-owned by Larne Harbour Ltd. part of the P&O Ferries group. P&O Ferries operate a passenger and freight service from Cairnryan to Larne in Northern Ireland. This route is the shortest, fastest commercial ferry crossing between Great Britain and Ireland. There are up to 16 scheduled ferry sailings daily.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te		ets	ove (blu ı Ge	e lir	ne d atio	eno	tes t	the a	antic	cipa	ted	
name	source	assessment	Supucity/Could/Doccription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Port of Fleetwood	Oceanwise	Medium	Situated on the Lancashire coast, Fleetwood is well established as one of the UK's major ports for roro traffic to and from Northern Ireland, and has been a major fishing port for 90 years. The sheltered enclosed dock houses a marina with 300 fully serviced berths, a dry storage compound and comprehensive facilities for the leisure sailor. It is an ideal base for cruises to Morecambe Bay and the Irish Sea.	Operational													
Port of Garston	Oceanwise	Medium	Located on the north bank of the Mersey, ABP's Port of Garston specialises in handling a wide array of cargo, from dry bulks to steel products and annually handles around 500,000 tonnes of cargo.	Operational													

Project, plan or activity	Data	Data confidence	lence Capacity/Scale/Description S			Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	n G antio	cipa	ted	on
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Port of Kirkcudbright	Oceanwise	Medium	Kirkcudbright Harbour is the busiest commercial fishing harbour in Dumfries and Galloway with much of the landed catch being processed locally.	Operational													
Port of Larne	Oceanwise	Medium	Can handle vessels up to 185 m long.	Operational													
Port of Liverpool	Oceanwise	Medium	The Port of Liverpool operates two container terminals, the Royal Seaforth Container Terminal (RSCT) and Liverpool2.	Operational													
Port of Workington	Oceanwise	Medium	A municipal port on the west coast of the UK handling up to 500,000 tonnes of cargo per year with particular expertise in the dry bulk, liquid bulk, energy, project cargo, break bulk (forest products) and container sectors.	Operational													
Port Saint Mary	Oceanwise	Medium	Port St Mary is a port in the southwest of the Isle of Man.	Operational													
Port William Harbour	Oceanwise	Medium	On the coast of Luce Bay in Galloway.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	h th eno n As ndo	tes i	the	antic	cipa		on
name	This is a well sheltered, tidal (+/- 2	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055		
Ramsey Harbour	Oceanwise	Medium	This is a well sheltered, tidal (+/- 2 ½ hours HW) port. The harbour is busy with commercial vessels dealing with regular lo-lo services from the United Kingdom and Ireland and is the only Manx port with facilities to handle imports of bulk cement.	Operational													
Stranraer East Pier	Oceanwise	Medium	East pier within Stranraer harbour.	Operational													
Warrenpoint Harbour Authority	Oceanwise	Medium	Harbour authority for Warrenpoint.	Operational													
Whitehaven Harbour	Oceanwise	Medium	Whitehaven Harbour is primarily a recreational marina with 400 berths.	Operational													





1.10.3 Shipping and navigation – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: Screened in to assessment.
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

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					Mor	gan Ge	neratio	n Asse	ts topic	scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Anchorage areas	N/A	d	d	d	d	d	а	а	d	d	d	а	d	d
Belfast Harbour	124.1	d	d	d	а	d	d	d	d	d	d	а	d	d
Caernarfon Harbour Limit	77.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Carlingford Lough Harbour Authority	119.2	d	d	d	d	d	d	а	d	d	d	а	d	d
Castletown Harbour	27.4	d	d	d	d	d	d	d	d	d	d	а	d	d
Conwy Harbour	67.7	d	d	d	d	d	d	а	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Dee Conservancy	72.2	d	d	d	d	d	d	а	d	d	d	а	d	d
Derbyhaven Harbour	26.7	d	d	d	d	d	а	а	d	d	d	а	d	d
Donaghadee Harbour	110.9	d	d	d	d	d	d	а	d	d	d	а	d	d
Douglas Harbour Vessel Control Limit	16.9	d	d	d	d	d	а	а	d	d	d	а	d	d
Drogheda Port Company Pilotage District	132.7	d	d	d	d	d	d	а	d	d	d	а	d	d
Dublin Port Company	140.8	d	d	d	d	d	d	а	d	d	d	а	d	d
Dundalk Port Company	126.3	d	d	d	d	d	d	d	d	d	d	а	d	d
Dundalk Port Company Pilotage District	130.8	d	d	d	d	d	d	d	d	d	d	а	d	d
Garlieston Harbour	80.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Heysham Port	50.1	d	d	d	d	d	а	а	d	d	d	а	d	d
Holyhead Harbour	75.1	d	d	d	d	d	d	а	d	d	d	а	d	d
Howth Harbour	139.8	d	d	d	d	d	d	d	d	d	d	а	d	d
Isle of Whithorn Harbour	70.2	d	d	d	d	d	d	а	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Lancaster Port	51.3	d	d	d	d	d	а	а	d	d	d	а	d	d
Laxey Bay Harbour	22.4	d	d	d	d	d	а	а	d	d	d	а	d	d
Loch Ryan Port	116.6	d	d	d	d	d	d	d	d	d	d	а	d	d
Loch Ryan/Stranraer Harbour	109.1	d	d	d	d	d	d	d	d	d	d	а	d	d
Manchester Ship Canal	88.0	d	d	d	d	d	d	а	d	d	d	а	d	d
Mostyn Docks	64.7	d	d	d	d	d	d	а	d	d	d	а	d	d
New Cruise Liner Terminal Construction at Princes Jetty Site, Liverpool - Application for Marine Management Licence	78.7	d	d	d	d	d	d	d	d	d	d	а	d	d
Peel Harbour	38.7	d	d	d	d	d	а	а	d	d	d	а	d	d
Pilot boarding place	N/A	d	d	d	d	d	d	d	d	d	d	а	d	d
Port Erin	36.8	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Barrow	36.2	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Cairnryan	113.6	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Fleetwood	46.9	d	d	d	d	d	d	а	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Port of Garston	87.3	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Kirkcudbright	79.6	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Larne	130.0	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Liverpool	46.6	d	d	d	d	d	d	а	d	d	d	а	d	d
Port of Workington	70.4	d	d	d	d	d	d	а	d	d	d	а	d	d
Port Saint Mary	33.4	d	d	d	d	d	d	а	d	d	d	а	d	d
Port William Harbour	81.9	d	d	d	d	d	d	а	d	d	d	а	d	d
Ramsey Harbour	28.2	d	d	d	d	d	d	а	d	d	d	а	d	d
Stranraer East Pier	109.2	d	d	d	d	d	d	а	d	d	d	а	d	d
Warrenpoint Harbour Authority	131.3	d	d	d	d	d	d	а	d	d	d	а	d	d
Whitehaven Harbour	60.4	d	d	d	d	d	d	а	d	d	d	а	d	d





- 1.11 Offshore cumulative effects matrix military, aviation and radar
- 1.11.1.1 The following military, aviation and radar projects are shown in Figure 1.12 and Figure 1.13.



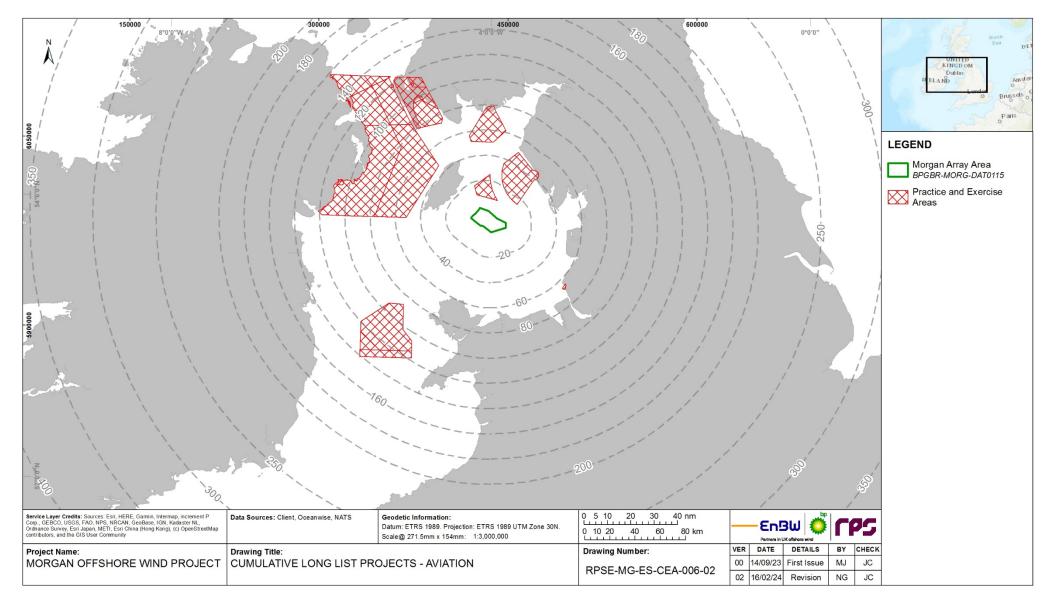


Figure 1.12: Military, aviation and radar projects, plans and activities considered in the Morgan Generation Assets CEA.



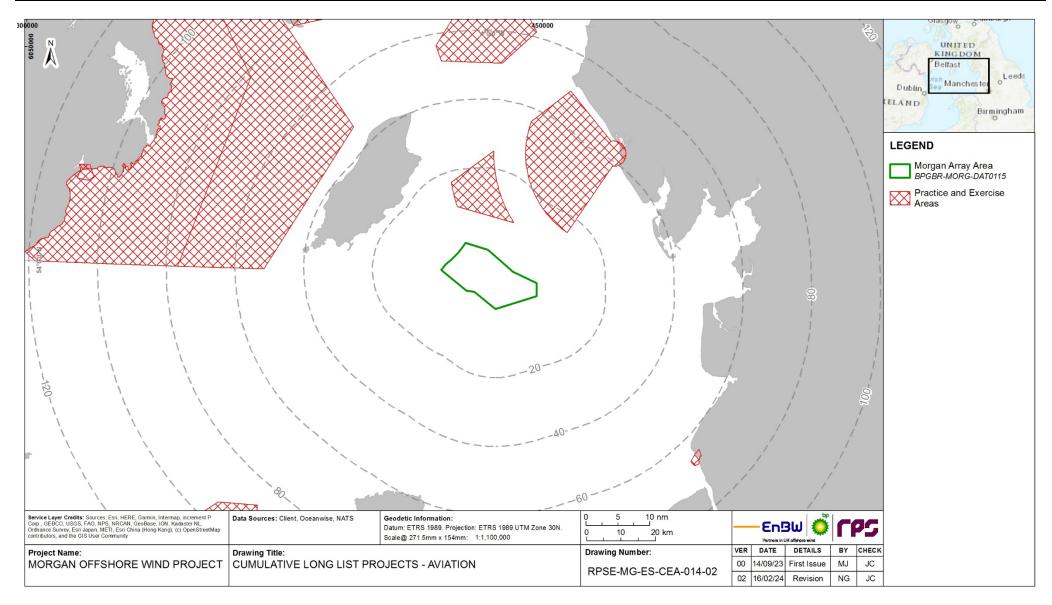


Figure 1.13: Military, aviation and radar projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to east Irish Sea).





1.11.2 Military aviation and radar – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan	Data source	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	sets	ove (blu n Ge	ıe lii	ne d atio	eno	tes sset	the	anti	cipa		
name		assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
D201B: Aberporth	Aeronautical Information Service	Medium	Ranges, danger and exercise areas. Aberporth is a test and evaluation range where missile-firing takes place.	Operational													
D201D: Aberporth	Aeronautical Information Service	Medium	Activity: Live Firing / Bombing / Pilotless Target Aircraft / Unmanned.	Operational													
D201H: Aberporth	Aeronautical Information Service	Medium	Ranges, danger and exercise areas. Aberporth is a test and evaluation range where missile-firing takes place.	Operational													
D401: Ballykinler	Oceanwise	Medium	The range, D401, is used for small arms up to Mortar and Anti Tank weapons.	Operational													
D402A: Luce Bay (N)	Civil Aviation Authority	Medium	Bombing training facility.	Operational													

Project, plan or activity	Data source	Data confidence	Status of		Temporal overlap with the Morgan Generation Assets (blue line denotes the anticipated Morgan Generation Assets construction window)												
name	Data Source	assessment	cupacity/ codic/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
D402B: Luce Bay (N)	Civil Aviation Authority	Medium	Bombing training facility.	Operational													
D402C: Luce Bay (N)	Civil Aviation Authority	Medium	Demolition of Unexploded Ordnance.	Operational													
D403: Luce Bay	Civil Aviation Authority	Medium	Air to air firing, bombing.	Operational													
D403A: Luce Bay	Civil Aviation Authority	Medium	Demolition of Unexploded Ordnance, surface explosions.	Operational													
D405: Kirkcudbright	Civil Aviation Authority	Medium	Demolition of Unexploded Ordnance, firing.	Operational													
D406: Eskmeals	Civil Aviation Authority	Medium	Live weapons test and evaluation range.	Operational													
D406C: Eskmeals	Civil Aviation Authority	Medium	Live weapons test and evaluation range.	Operational													
D509: Campbeltown	Civil Aviation Authority	Medium	Military danger area for High & Low Angle Gunnery, HM Ships, Pilotless Target Aircraft, Surface to Surface Firing, Torpedo Firing.	Operational													
X5306: Altcar	Oceanwise	Medium	Grenade and rifle firing range.	Operational													

Project, plan or activity name	Data source	Data confidence	Capacity/Scale/Description	Status of	Temporal overlap with the Morgan Generation Assets (blue line denotes the anticipated Morgan Generation Assets construction window)												
	Data Source	assessment	Capacity/Coalc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
X5402: Ardglass	Oceanwise	Medium	Air General, HM Ships, submarine exercises.	Operational													
X5403: Peel	Oceanwise	Medium	Military activity area for Air General, HM Ships, Submarine Exercises.	Operational													
X5406: Juniper Rock	Oceanwise	Medium	Military activity area for Air General, HM Ships, Submarine Exercises.	Operational													
X5407: Magee	Oceanwise	Medium	Air General, HM Ships, submarine exercises.	Operational													
X5408: Beaufort	Oceanwise	Medium	Military activity area for Air General, HM Ships, Submarine Exercises.	Operational													
X5525: Ballantrae	Oceanwise	Medium	Military activity area for Air General, HM Ships, Submarine Exercises.	Operational													
X5526: Corsewall	Oceanwise	Medium	Military activity area for Air General, HM Ships, Submarine Exercises.	Operational													
X5527: Maiden	Oceanwise	Medium	Air General, HM Ships, submarine exercises.	Operational													





1.11.3 Military aviation and radar – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: <b>Screened in to assessment.</b>
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

					Mor	gan Ge	neratio	n Asse	ts topi	cscree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
D201B: Aberporth	86.9	d	d	d	d	d	d	d	d	d	d	а	d	d
D201D: Aberporth	125.8	d	d	d	d	d	d	d	d	d	d	а	d	d
D201H: Aberporth	113.3	d	d	d	d	d	d	d	d	d	d	а	d	d
D401: Ballykinler	104.6	d	d	d	d	d	d	d	d	d	d	а	d	d
D402A: Luce Bay (N)	77.5	d	d	d	d	d	d	d	d	d	d	а	d	d
D402B: Luce Bay (N)	104.9	d	d	d	d	d	d	d	d	d	d	а	d	d

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning												
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore									
D402C: Luce Bay (N)	110.7	d	d	d	d	d	d	d	d	d	d	а	d	d									
D403: Luce Bay	74.0	d	d	d	d	d	d	d	d	d	d	а	d	d									
D403A: Luce Bay	97.7	d	d	d	d	d	d	d	d	d	d	а	d	d									
D405: Kirkcudbright	52.6	d	d	d	d	d	d	d	d	d	d	а	d	d									
D406: Eskmeals	17.2	d	d	d	d	d	d	d	d	d	d	а	d	d									
D406C: Eskmeals	9.5	d	d	d	d	d	d	d	d	d	d	а	d	d									
D509: Campbeltown	126.0	d	d	d	d	d	d	d	d	d	d	а	d	d									
X5306: Altcar	64.9	d	d	d	d	d	d	а	d	d	d	а	d	d									
X5402: Ardglass	71.9	d	d	d	d	d	d	а	d	d	d	а	d	d									
X5403: Peel	43.7	d	d	d	d	d	а	а	d	d	d	а	d	d									
X5406: Juniper Rock	117.7	d	d	d	d	d	d	а	d	d	d	а	d	d									
X5407: Magee	96.8	d	d	d	d	d	d	а	d	d	d	а	d	d									
X5408: Beaufort	85.7	d	d	d	d	d	d	а	d	d	d	а	d	d									
X5525: Ballantrae	126.0	d	d	d	d	d	d	а	d	d	d	а	d	d									

		Morgan Generation Assets topic screening													
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
X5526: Corsewall	126.0	d	d	d	d	d	d	а	d	d	d	а	d	d	
X5527: Maiden	129.2	d	d	d	d	d	d	а	d	d	d	а	d	d	





## 1.12 Offshore cumulative effects matrix – coastal

1.12.1.1 The following coastal projects are shown in Figure 1.14 and Figure 1.15.



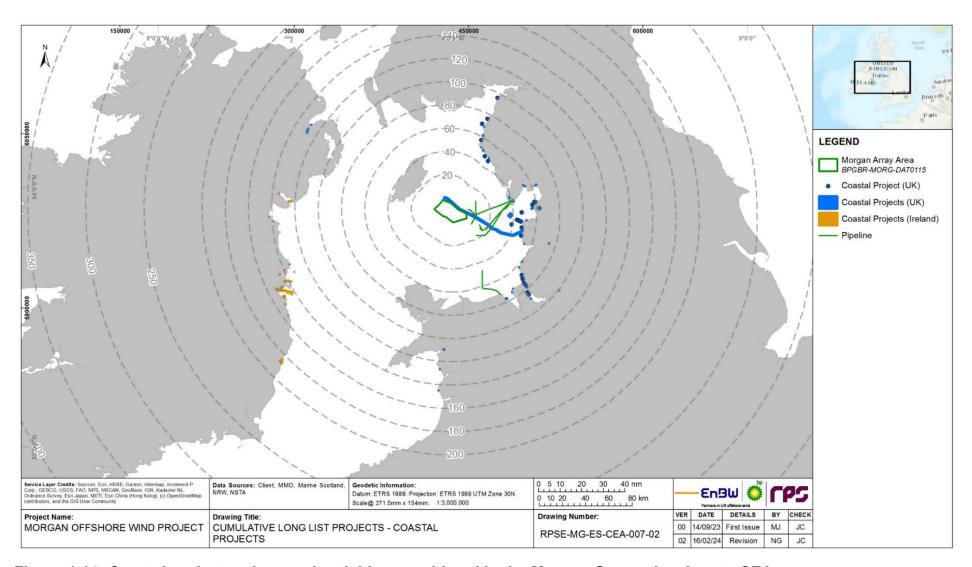


Figure 1.14: Coastal projects, plans and activities considered in the Morgan Generation Assets CEA.

<sup>\*</sup> The Isle of Man-UK Interconnector cable works illustrated relate to the MMO marine licence for maintenance and repair and cable protection remedial works. The Isle of Man-UK Interconnector cable is screened in full in section 1.9 and illustrated in Figure 1.9.



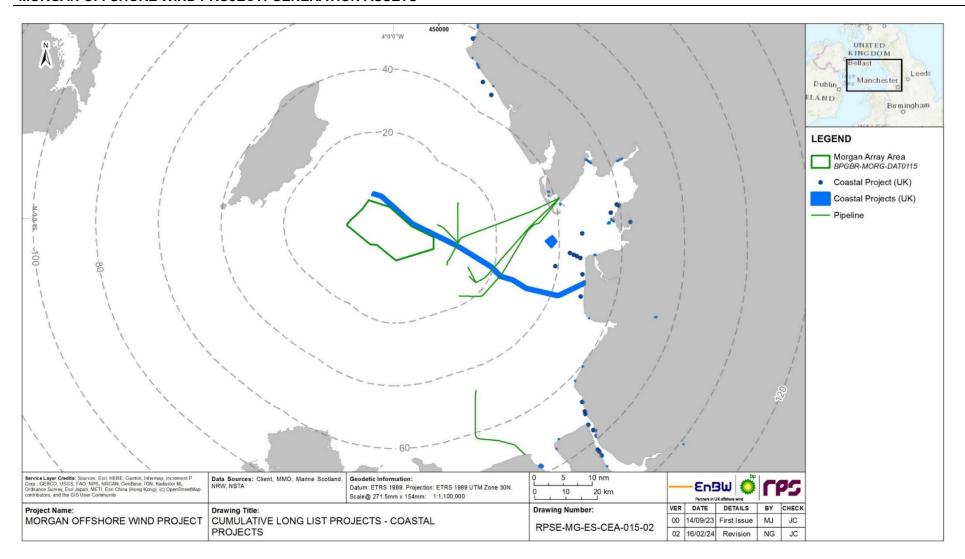


Figure 1.15: Coastal projects, plans and activities considered in the Morgan Generation Assets CEA (zoomed to east Irish Sea).

<sup>\*</sup> The Isle of Man-UK Interconnector cable works illustrated relate to the MMO marine licence for maintenance and repair and cable protection remedial works. The Isle of Man-UK Interconnector cable is screened in full in section 1.9 and illustrated in Figure 1.9.





1.12.2 Coastal – temporal screening matrix

Consenting/Pre-Construction
Construction
Operation and Maintenance
Decommissioning

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	oral sets rgar	(blu	e lir	ie d atioi	eno	tes ( sets	he a	antic	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Belfast Flood Alleviation Scheme	DAERA	High	The scheme is split into five flood cells extending through various parts of the city; Lockview/Stranmillis, Ormeau, Ravenhill, Sydenham/East Belfast, Belfast Harbour/City Centre.	Under Construction													
Bord Gais Networks Dublin	Irish Government	High	Foreshore licence application for a gas pipeline trenchless crossing of River Tolka, Dublin.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	ove (blu 1 Ge	e lir	ne d atio	eno	tes i	the	antic	cipa		on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Broadmeadow Way Greenway	Irish Government	High	Fingal County Council proposes to develop the Broadmeadow Way, a new greenway (shared footpath and cycleway).	Operational													
Calder Viaduct and Approaches	Marine Management Organisation	High	The project's aim is to repair the existing defences to prevent further erosion and ensure the continued stability of the railway.	Abandoned													
Clearance of Seawater Intake at BAE Systems (Barrow)	Marine Management Organisation	High	Seawater clearance.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	oral sets rgar	(blu	e lir	ne d atio	eno	tes i	the	antic	cipa		on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Coastal defence repair and Improvement at Barmouth Bay Holiday Village	North Wales Live	High	Construction, Flood defence scheme. The flood defence would prevent overtopping during 1 in 100 year fluvial and 1 in 1000 year tidal events.	Operational													
Coastal Monitoring Wave Buoy Network	Marine Management Organisation	High	The national network of regional coastal monitoring programmes of England (NNRCMP) consists of 6 regional programmes who monitor coastal processes in support of coastal management and research.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	antic	ene cipa ructi		on
name	source	assessment	Supucity, Could, 2000 inputs in	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Coastal protection at Seabank, Castlebellingham, Co. Louth and Salterstown, Annagassan, Co. Louth.	An Bord Pleanála	High	Coastal protection works at two locations within the Dundalk Bay SAC and SPA.	Operational													
Construction of new berthing facilities at D3, Belfast Harbour	DAERA	High	Construction of new berthing facilities at D3 dock in Belfast Harbour for project cargo, break bulk, and dry bulk during the cruise ship off season.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	an G antio	cipa	ted	
name	source	assessment	Supucity/Coulc/Bosoniphon	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Cumbria Coastal Activities Centre Slipway	Marine Management Organisation	High	Construction of a marine slipway to allow craft associated with the Activity Centre to access the beach and water from the quayside. The slipway will be approximately 38 m long by 4.5 m wide. The slipway is to be constructed of steel sheet piles, suitable fill material and a concrete deck as a result of the local conditions.	Operational													
Devonshire Dock Quay	Marine Management Organisation	High	BAE Systems' site at Barrow-in- Furness is to be the subject of a major facilities investment programme over the next 10 years, known as the Site Redevelopment Programme (SRP).	Operational													
Dublin City Council Cycleway	Irish Government	High	Construction of approximately 2 km of segregated pedestrian and cyclist facilities.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	oral sets rgar	(blu	e lir	ne d ation	eno	tes t	the a	antio	cipa	ted	on
name	source	assessment	Supucity/Could/Doccription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dublin Port Company MP2 Project	Irish Government	High	Foreshore application in respect of the construction of a new Ro-Ro Jetty (Berth 53), the re-orientation of the already consented Berth 52, the lengthening of Berth 50A, the redevelopment of Oil Berth 3, the construction of passenger terminal buildings and a heritage zone, dredging and ancillary site works.	Operational													
Dublin Port Company Pontoon at Berth 50	Irish Government	High	Foreshore lease application for the provision of a new Pontoon at Berth 50 to accommodate Dublin Port Company Tug Boats.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu 1 Ge	e lir	ne d atio	eno	tes :	the	antic	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dublin Port jetties and terminal yards	An Bord Pleanála	High	Port's Masterplan 2040' 15 year permission for phased development at Oil Berth 3 and Oil Berth 4, Eastern Oil Jetty and at Berths 50A, 50N, 50S, 51, 51A, 49, 52, 53 and associated terminal yards to provide for various elements including new Ro-Ro jetty and consolidation of passenger terminal buildings.	Operational													
Dun Laoghaire Bath refurbishment	Irish Government	High	Foreshore lease application for the refurbishment of the dilapidated baths site.	Operational													
Dun Laoghaire Harbour Company	Irish Government	High	Foreshore Licence application for the provision and maintenance of existing moorings within Dun Laoghaire Harbour.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Те	Ass	ets	(blu	e lir	ne d atio	eno	tes :	the	anti	ene cipa ructi	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Dun Laoghaire Rathdown County Council - Corbawn Lawn	Irish Government	High	The proposed works involve the transport to site of rock across the foreshore at Corbawn Lane Beach Access, Shankill, Co Dublin.	Operational													
Dun Laoghaire. Removal of the Linkspan	Irish Government	High	Foreshore application for decommissioning works to facilitate the removal of the Linkspan. It is proposed to dismantle the linkspan using a pontoon and harbour mobile crane. The linkspan will be separated for lifting ashore and then processed on shore by manually cutting the steelwork. The four piles supporting the restraining system are to be burnt off just above the seabed.	Operational													
Eastham Hydropower Project	Marine Management Organisation	High	The proposal is to install two Archimedean Screws in the currently disused lock at Eastham.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes :	orga the a	antic	cipa	ted	on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Fingal County Council.	Irish Government	High	Construction of a storm water outfall to facilitate a residential development and public infrastructure.	Operational													
Frazer Ferries Foreshore lease application	Irish Government	High	Foreshore lease application for construction of a slipway and associated landing facilities for a car ferry.	Submitted but not yet determined													
Greater Dublin Drainage Project Ref No. PC0152	An Bord Pleanála	High	Greater Dublin Drainage Project comprising of a Regional Waste Water Treatment Plant and Associated Orbital Drainage Network and Marine Outfall and a new Regional Bio-solids Storage Facility.	Permitted but not yet implemented													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	empo Ass Mo	ets	(blu	e lir	ne d atio	eno	tes (	the a	antic	cipa	ted	on
name	source	assessment	Cupusity Could Document	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Harbour reclamation	Welsh Marine Planning Portal	High	Undertaking of marine development works comprising the reclamation of 2.6 ha area of the harbour (including 1ha already consented in License 10/07/ML/2) and the construction of a 270 m solid quay.	Operational													
Howley Weir	Marine Management Organisation	High	The proposal comprises a single Archimedes screw turbine, a turbine house building, trash screening, access improvements, an electrical substation and underground cabling. The scheme is expected to generate a peak power output of 160 kW and an average annual energy production of 0.5 GWh.	Under Construction													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes set	the	an G antio	cipa	ted	on
name	source	assessment	Capacity/Ocale/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Independent Pipeline Company Ltd.	Irish Government	High	Foreshore licence application for an aviation fuel pipeline under the River Tolka.	Operational													
Irish Water - Arklow	Irish Government	High	Foreshore licence application for marine site investigation works associated with the construction of a proposed waste water treatment plant in Arklow.	Submitted but not yet determined													
Irish Water- Dun Laoghaire.	Irish Government	High	Foreshore licence application for extending the storm water outfall out to the sea below MLWS.	Submitted but not yet determined													
Irish Water Greater Dublin Drainage Outfall	Irish Government	High	Application for a Foreshore Licence to enable the construction of a 5.2 km marine section of a total 5.9km outfall pipeline, including a multiport marine diffuser, as part of the Greater Dublin Drainage Project.	Submitted but not yet determined													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	rlap le lir enera	ne d atio	eno	tes i	the a	anti	cipa		
name	source	assessment	Supucity/Could/Doccription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Irish Water Omeath Sewerage Scheme.	Irish Government	High	Foreshore licence application for the purpose of extending an existing outfall pipe and associated works in connection with the proposed Omeath Waste Water Treatment Plant.	Operational													
Irish Water- Swords.	Irish Government	High	Foreshore licence application to replace existing outfall for Swords waste water treatment expansion.	Operational													
Irish Water- Loughshinny.	Irish Government	High	Foreshore licence application for change of use of existing septic tank outfall to an emergency outfall for the proposed new sewage pumping station.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		mpo Ass Mo	ets	(blu	e lir	ne d atio	eno	tes i	the		cipa	ted	
name	source	assessment	Cupusity Could Doos pass	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Irish Water-Lusk.	Irish Government	High	Foreshore licence application for an emergency outflow pipe for the pumping station at Lusk waste water treatment plant.	Operational													
Isle of Man Interconnector Cable - Cable Protection Remedial Works	AWJ Marine	High	<ol> <li>Cooling water intake and coarse screen removal and cleaning.</li> <li>Desilting of the drumscreen chambers.</li> <li>Fitting and removal of stop log gates.</li> <li>Removal of residual debris from the drumscreen chambers once they are dewatered.</li> <li>Diving activities to inspect coarse screen runners and replace sacrificial anodes.</li> <li>Fitting and removal of the Armfield gates</li> </ol>	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	antic	cipa		on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Isle of Man to UK Interconnector Cable - Maintenance and Repair	AWJ Marine	High	Coarse screen removal, cleaning and reinstallation and the cooling water intake. Stop log gate installation and removal, Drumscreen forebay dewatering and cleaning, Drumscreen maintenance, inspection and testing. Marine outfall Sea plug installation and removal.	Operational													
Leven Viaduct	Marine Management Organisation	High	The Leven Viaduct site comprises two approach embankments on either side of Leven Viaduct span. This project is required to protect the railway embankment from further erosion to ensure the stability of the railway line. The works include a section of new stone armour, re-pointing and repairs to existing pitching.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	empo Ass Mo	ets	(blu		ne d atio	eno	tes ( set	the a	antic	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Meathop Embankment	Marine Management Organisation	High	Meathop Embankment is a sea defence between Arnside and Grange over Sand station. Areas with missing masonry or open joints will be raked out before being mortar filled to match the existing, the joints will be fully filled and trowelled off level with the pitching.	Operational													
Middleton Wastewater Treatment Works Long Sea Outfall - Maintenance	Marine Management Organisation	High	Maintenance activities.	Operational													
National Grid Transmission	Welsh Marine Planning Portal	High	Construction, deposit, removal.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes t	orga the a	antio	cipa	ted	on
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Navigation Marker Framework	Marine Management Organisation	High	Inspection, maintenance and repair of United Utilities Navigation Markers.	Operational													
Nethertown - St Bees Sea Walls	Marine Management Organisation	High	It is proposed to reduce the height of the beach cliff by approximately 1m by removing material. It is also proposed to repair the existing stepped concrete and rock armour defence to the north of the unprotected section. This involves concrete repairs, the removal of the existing rock armour and the installation of new rock armour.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	empo Ass Mo	ets	(blu	e lir	ne d atio	eno	tes :		antic	cipa	ted	
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
New Cruise Liner Terminal Construction at Princes Jetty Site, Liverpool - Application for Marine Management Licence	Marine Management Organisation	High	Liverpool City Council proposes to construct a new Cruise Passenger Terminal at the existing Princes Jetty Site to cater for the year on year increase in passenger numbers since the opening of the existing cruise terminal in 2008.	Under Construction													
NMT methanol	MCMS	High	North Morecambe 3IN methanol.	Operational													
NMT trunkline	MCMS	High	North Morecambe 36IN gas trunk line.	Operational													
Opening of Afon Dysynni channel for internal drain ditches and flood risk	The Welsh Marine Planning Portal	High	Deposit and removal.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	witl ne do atior wi	eno	tes t	the a	antio	cipa	ted	on
name	source	assessment	Capacity/Coalc/Doccription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Parton - Harrington Sea Walls No.5	Marine Management Organisation	High	Parton - Harrington Sea Walls No.5 is a 1.3 km section coastal defence. The project's aim is to repair the existing sea defences to prevent further erosion and ensure the continued stability of the railway.	Operational													
Parton to Harrington Sea Wall No 3	Marine Management Organisation	High	Parton to Harrington Sea Wall No. 3 is a 0.45 km section of coastal defence. Preventative works are required to maintain the operational railway line and mitigate against a potential wash out. UTX needs to be repaired.	Operational													
POA-DD condensate	NSTA	High	3IN POA-DD condensate line.	Operational													
POA-DD methanol	NSTA	High	3IN POA-DD methanol line.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes :	the	an G antic onstr	cipa	ted	
name	source	assessment	Supucity/Coulc/Description	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Preston & South Ribble Flood Risk Management Scheme - Phases 1 and 2	Marine Management Organisation	High	The main objective is to reduce the high level of flood risk to 4,778 properties (which includes 517 businesses) in Preston & South Ribble. The Scheme runs to the south of Preston City Centre, along a 4.5 km stretch of the Ribble, extending upstream from Liverpool Road Bridge to Walton-Le-Dale. It also includes a 4km stretch of the Darwen from the confluence with the Ribble up to Higher Walton.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of	Te	Ass	ets	ove (blu 1 Ge	e lir	ne d atio	eno	tes i	the	anti	cipa	ted	on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Rathdown Upper and Rathdown Lower/Greystones Harbour and North Beach, Greystones, Co. Wicklow	An Bord Pleanála	High	Integrated harbour/marina mixed development at Rathdown Upper and Rathdown Lower/Greystones Harbour and North Beach, Greystones, Co. Wicklow	Operational													
Ravensburg Ltd. boardwalk construction	Irish Government	High	Foreshore application for the construction of a public boardwalk with a reinforced glazed flood defence wall on top of the quay wall.	Submitted but not yet determined													
Revetmant Repairs, belfast	DAERA	High	215 m stretch of in-river piling to prevent further collapse of Ravenhill Quay Wall. Installation of sheet piles.	Operational													
Rhyl-DPPA control/chem injection umbilical	NSTA	High	Rhyl-DPPA import production flexible pipeline.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	oral sets rgar	(blu	e lir	ne d atio	eno	tes t	the a	antic	cipa		on
name	source	assessment	Cupusity Could Document	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Rivers onshore terminal to Calder	NSTA	High	Rivers onshore terminal to Calder 3IN chemical.	Operational													
RNLI North Division - Regional Licence for Low Impact Maintenance Works	Marine Management Organisation	High	1. Maintenance to Moorings 2. Maintenance to Pontoon Berths (and associated pilings, link- spans, quay walls and approach structures) 3. Minor beach re-profiling works 4. Maintenance to Lifeboat Station Boathouses, slipways & launch ramps 5. Maintenance Activities associated with safety of lifeboat launch and recovery 6. Maintenance to beach lifeguard units 7. Navigational Dredging	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	e lir	ne d atio	eno	tes i	the	an G antio	cipa		on
name	source	assessment		Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
Routine maintenance, inspection and testing at Heysham 2 power station	BBC	High	Themed inspection examining control and supervision of operations and maintenance.	Operational													
SMT trunkline	NSTA	High	South Morecambe 36IN gas trunk line.	Operational													
South Morecambe DP6 to South Morecambe CPP1	MCMS	High	Morecambe DP6 to CPP1 24IN gas line.	Operational													
South Morecambe DP8 to South Morecambe CPP1	MCMS	High	Morecambe DP8 to CPP1 24IN gas line.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	rlap ie lir enera	ne d atio	eno	tes t	the a	antic	cipa	ted	
name	source	assessment	Supacity/Scale/Bescription	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055
South Morecambe DPPA to Dalton PLEM	MCMS	High	Morecambe DPPA to Dalton PLEM chemical line.	Operational													
South Morecambe DPPA to Millom PLEM	MCMS	High	Morecambe DPPA to Millom PLEM chemical.	Operational													
Techworks Marine Foreshore Lease/Licence application for placement of monitoring buoys	Irish Government	High	Foreshore Lease/Licence application for placement of monitoring buoys.	Operational													

Project, plan or activity	Data	Data confidence	Capacity/Scale/Description	Status of		Ass	ets	(blu	rlap ie lir ener	ne d atio	eno	tes :	the	antic	cipa	ted	on
name	source P	Project/Plan	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2035-2055		
The People's Project - Bramley- Moore Dock	Marine Management Organisation	High	Everton Stadium Development Limited are applying to Liverpool City Council ('LCC') for full planning permission for the development of a stadium with associated facilities and infrastructure on the site of Bramley-Moore Dock (BMD), Regent Road, Liverpool.	Operational													
Trial seaweed farm	The Welsh Marine Planning Portal	High	Trial seaweed farm. Is the the first community owned Seaweed and Shellfish farm in Wales.	Operational													
Wellhead R2 to Dalton PLEM	NSTA	High	Wellhead R2 to Dalton PLEM 8IN gas line.	Operational													





1.12.3 Coastal – spatial screening matrix

а	Included as part of the topic baseline with no anticipated impacts and hence not considered within the cumulative effect assessment. Screened out of assessment.
b	Part of the baseline but has an ongoing impact and is therefore considered relevant to the cumulative effect assessment: Screened in to assessment.
С	Potential cumulative effect exists: Screened in to assessment.
d	No conceptual or physical effect-receptor pathway: Screened out of assessment.
е	Low data availability: Screened out of assessment.
f	No temporal overlap: Screened out of assessment.
g	Project has been withdrawn from development or operation

		Morgan Generation Assets topic screening														
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore		
Belfast Flood Alleviation Scheme	128.3	d	d	d	d	d	d	d	d	d	d	d	d	d		
Bord Gais Networks Dublin	151.8	d	d	d	d	d	d	d	d	d	d	а	d	d		
Broadmeadow Way Greenway	141.0	d	d	d	d	d	d	d	d	d	d	а	d	d		
Calder Viaduct and Approaches	50.8	d	d	d	а	d	а	d	d	d	d	а	d	d		
Clearance of Seawater Intake at BAE Systems (Barrow)	18.4	d	d	d	а	d	а	а	d	d	d	а	d	d		

					Mor	gan Ge	neratio	n Asse	ts topic	c scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Coastal defence repair and Improvement at Barmouth Bay Holiday Village	126.6	d	d	d	а	d	d	d	d	d	d	а	d	d
Coastal Monitoring Wave Buoy Network	39.2	d	d	d	а	d	а	d	d	d	d	а	d	d
Coastal protection at Seabank, Castlebellingham, Co. Louth and Salterstown, Annagassan, Co. Louth.	138.4	d	d	d	а	d	d	d	d	d	d	а	d	d
Construction of new berthing facilities at D3, Belfast Harbour	128.6	d	d	d	d	d	d	d	d	d	d	d	d	d
Cumbria Coastal Activities Centre Slipway	71.3	d	d	d	d	d	d	d	d	d	d	а	d	d
Devonshire Dock Quay	39.3	d	d	d	а	d	а	d	d	d	d	а	d	d
Dublin City Council Cycleway	146.8	d	d	d	d	d	d	d	d	d	d	d	d	d
Dublin Port Company MP2 Project	141.5	d	d	d	d	d	d	d	d	d	d	d	d	d
Dublin Port Company Pontoon at Berth 50	150.4	d	d	d	d	d	d	d	d	d	d	а	d	d
Dublin Port jetties and terminal yards	143.7	d	d	d	а	d	d	d	d	d	d	а	d	d

		Morgan Generation Assets topic screening														
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore		
Dun Laoghaire Bath refurbishment	149.5	d	d	d	а	d	d	d	d	d	d	а	d	d		
Dun Laoghaire Harbour Company	148.8	d	d	d	d	d	d	d	d	d	d	d	d	d		
Dun Laoghaire Rathdown County Council - Corbawn Lawn	151.9	d	d	d	d	d	d	d	d	d	d	а	d	d		
Dun Laoghaire. Removal of the Linkspan	152.9	d	d	d	d	d	d	d	d	d	d	а	d	d		
Eastham Hydropower Project	100.6	d	d	d	d	d	d	d	d	d	d	а	d	d		
Fingal County Council.	143.2	d	d	d	d	d	d	d	d	d	d	а	d	d		
Frazer Ferries Foreshore lease application	123.5	d	d	d	d	d	d	d	d	d	d	d	d	d		
Greater Dublin Drainage Project Ref No. PC0152	138.0	d	d	d	d	d	d	d	d	d	d	d	d	d		
Harbour reclamation	76.8	d	d	d	а	d	d	d	d	d	d	а	d	d		
Howley Weir	101.1	d	d	d	d	d	d	d	d	d	d	а	d	d		
Independent Pipeline Company Ltd.	151.8	d	d	d	а	d	d	d	d	d	d	а	d	d		
Irish Water - Arklow	183.6	d	d	d	d	d	d	d	d	d	d	d	d	d		

		Morgan Generation Assets topic screening														
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore		
Irish Water- Dun Laoghaire.	149.4	d	d	d	d	d	d	d	d	d	d	d	d	d		
Irish Water Greater Dublin Drainage Outfall	138.0	d	d	d	d	d	d	d	d	d	d	d	d	d		
Irish Water Omeath Sewerage Scheme.	134.3	d	d	d	а	d	d	d	d	d	d	а	d	d		
Irish Water- Swords.	144.5	d	d	d	а	d	d	d	d	d	d	а	d	d		
Irish Water-Loughshinny.	133.3	d	d	d	а	d	d	d	d	d	d	а	d	d		
Irish Water-Lusk.	139.0	d	d	d	а	d	d	d	d	d	d	а	d	d		
Isle of Man Interconnector Cable - Cable Protection Remedial Works	80.0	d	d	d	а	d	d	а	d	d	d	а	d	d		
Isle of Man to UK Interconnector Cable - Maintenance and Repair	0.3	С	С	а	а	d	а	а	а	d	d	а	d	d		
Leven Viaduct	39.1	d	d	d	d	d	а	d	d	d	d	а	d	d		
Meathop Embankment	79.8	d	d	d	а	d	d	d	d	d	d	а	d	d		
Middleton Wastewater Treatment Works Long Sea Outfall - Maintenance	49.1	d	f	f	а	d	а	d	d	d	d	а	d	d		
National Grid Transmission	109.3	d	d	d	а	d	d	d	d	d	d	а	d	d		

					Mor	gan Ge	neratio	n Asse	ts topic	scree	ning			
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore
Navigation Marker Framework	59.9	d	d	d	а	d	а	f	p	d	d	а	d	d
Nethertown - St Bees Sea Walls	53.7	d	d	d	d	d	а	d	d	d	d	а	d	d
New Cruise Liner Terminal Construction at Princes Jetty Site, Liverpool - Application for Marine Management Licence	75.5	d	d	d	а	d	d	d	d	d	d	а	d	d
NMT methanol	7.6	d	d	d	а	d	d	а	d	d	d	а	d	d
NMT trunkline	7.6	d	d	d	а	d	d	а	d	d	d	а	d	d
Opening of Afon Dysynni channel for internal drain ditches and flood risk	145.0	d	d	d	a	d	d	đ	d	d	d	d	d	d
Parton - Harrington Sea Walls No.5	65.6	d	d	d	d	d	d	d	d	d	d	а	d	d
Parton to Harrington Sea Wall No 3	57.3	d	d	d	d	d	d	d	d	d	d	а	d	d
POA-DD condensate	47.3	d	d	d	а	d	d	а	d	d	d	а	d	d
POA-DD methanol	47.3	d	d	d	а	d	d	а	d	d	d	а	d	d
Preston & South Ribble Flood Risk Management Scheme - Phases 1 and 2	73.8	d	d	d	а	d	d	f	d	d	d	а	d	d

		Morgan Generation Assets topic screening														
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore		
Rathdown Upper and Rathdown Lower/Greystones Harbour and North Beach, Greystones, Co. Wicklow	155.3	d	d	d	а	d	d	d	d	d	d	а	d	đ		
Ravensburg Ltd. boardwalk construction	152.9	d	d	d	d	d	d	d	d	d	d	d	d	d		
Revetmant Repairs, belfast	127.7	d	d	d	d	d	d	d	d	d	d	а	d	d		
Rhyl-DPPA control/chem injection umbilical	7.6	d	d	d	а	d	d	а	d	d	d	а	d	d		
Rivers onshore terminal to Calder	7.6	d	d	d	а	d	d	а	d	d	d	а	d	d		
RNLI North Division - Regional Licence for Low Impact Maintenance Works	41.8	d	d	d	а	d	а	а	d	С	d	а	d	d		
Routine maintenance, inspection and testing at Heysham 2 power station	57.3	d	d	d	а	d	а	а	d	d	d	а	d	d		
SMT trunkline	17.3	d	d	d	а	d	d	а	d	d	d	а	d	d		
South Morecambe DP6 to South Morecambe CPP1	14.2	d	d	d	а	d	d	а	d	d	d	а	d	d		

		Morgan Generation Assets topic screening													
Project, plan or activity name	Distance from Morgan Array Area (km)	Physical Processes	Benthic Ecology	Fish Ecology	Marine Mammals	Offshore Ornithology	Commercial Fisheries	Shipping and Navigation	Marine Archaeology	Other Sea Users	Aviation and radar	Socio-economics	SLVIA Offshore	SLVIA onshore	
South Morecambe DP8 to South Morecambe CPP1	12.2	d	d	d	а	d	d	а	d	d	d	а	d	d	
South Morecambe DPPA to Dalton PLEM	5.9	d	d	d	а	d	d	а	d	d	d	а	d	d	
South Morecambe DPPA to Millom PLEM	3.8	d	d	d	а	d	d	а	d	d	d	а	d	d	
Techworks Marine Foreshore Lease/Licence application for placement of monitoring buoys	142.0	d	d	d	а	d	d	d	d	d	d	а	d	d	
The People's Project - Bramley- Moore Dock	39.1	d	d	d	а	d	d	d	d	d	d	а	d	d	
Trial seaweed farm	244.3	d	d	d	а	d	d	d	d	d	d	а	d	d	
Wellhead R2 to Dalton PLEM	6.1	d	d	d	а	d	d	а	d	d	d	а	d	d	



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