



LLYR

LLYR FLOATING OFFSHORE WIND PROJECT

Llyr Floating Offshore Windfarm

Environmental Statement

Volume 6: Appendix 6A – Technical Engagement Log

August 2024





Document Status

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 Prepared for Llŷr Floating Wind Limited
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Acronyms and Abbreviations

Acronym or Abbreviation	Definition	Acronym or Abbreviation	Definition
DAT	Dyfed Archaeological Trust	NFFO	National Federation of Fishermen's Organisations
EIA	Environmental Impact Assessment	NRW	National Resources Wales
ES	Environmental Statement	OFWAT	Water Services Regulation Authority
IFCA	Inshore Fisheries and Conservation Authority	PCNPA	Pembrokeshire Coast National Park Authority
IAA	Irish Aviation Authority	PCC	Pembrokeshire County Council
IFPO	Irish Fish Producers Organisation	PEDW	Planning and Environment Decisions Wales
IFCA	Inshore Fisheries and Conservation Authority	PINS	Planning Inspectorate
JNCC	Joint Nature Conservation Council	RCAHMW	Royal Commission on the Ancient and Historical Monuments of Wales
MCA	Maritime and Coastguard Agency	RSPB	Royal Society for Protection of Birds
MHPA	Milton Haven Port Authority	RYA	Royal Yachting Association
MOD	Ministry of Defence	WFA-CPC	Welsh Fishermans Association - Cymdeithas Pysgotwyr Cymru



Glossary of Project Terms

Term	Definition
The Applicant	The developer of the Project, Llŷr Floating Wind Limited.
Array	All wind turbine generators, inter array cables, mooring lines, floating sub-structures and supporting subsea infrastructure within the Array Area, as defined, when considered collectively, excluding the offshore export cable(s).
Array Area	The area within which the wind turbine generators, inter array cables, mooring lines, floating sub-structures and supporting subsea infrastructure will be located.
Floventis Energy	A joint venture company between Cierco Ltd and SBM Offshore Ltd of which Llŷr Floating Wind Limited is a wholly owned subsidiary.
Landfall	The location where the offshore export cable(s) from the Array Area, as defined, are brought onshore and connected to the onshore export cables (as defined) via the transition joint bays (TJB).
Llŷr 1	The proposed Project, for which the Applicant is applying for Section 36 and Marine Licence consents. Including all offshore and onshore infrastructure and activities, and all project phases.
Marine Licence	A licence required under the Marine and Coastal Access Act 2009 for marine works which is administered by Natural Resources Wales (NRW) Marine Licensing Team (MLT) on behalf of the Welsh Ministers.
Offshore Development Area	The footprint of the offshore infrastructure and associated temporary works, comprised of the Array Area and the Offshore Export Cable Corridor, as defined, that forms the offshore boundary for the S36 Consent and Marine Licence application
Offshore Export Cable	The cable(s) that transmit electricity produced by the WTGs to landfall.
Offshore Export Cable Corridor (OfECC)	The area within which the offshore export cable circuit(s) will be located, from the Array Area to the Landfall.
Onshore Development Area	The footprint of the onshore infrastructure and associated temporary works, comprised of the Onshore Export Cable Corridor and the Onshore Substation, as defined, and including new access routes and visibility splays, that forms the onshore boundary for the planning application.
Onshore Export Cable(s)	The cable(s) that transmit electricity from the landfall to the onshore substation
Onshore Export Cable Corridor (OnECC)	The area within which the onshore export cable circuit(s) will be located.
proposed Project	All aspects of the Llŷr 1 development (i.e. the onshore and offshore components).
Onshore Substation	Located within the Onshore Development Area, converts high voltage generated electricity into low voltage electricity that can be used for the grid and domestic consumption.
Section 36 consent	Consent to construct and operate an offshore generating station, under Section 36 (S.36) of the Electricity Act 1989. This includes deemed planning permission for onshore works.



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6-A TECHNICAL ENGAGEMENT LOG

6.1 Introduction

1. This Technical Engagement Log includes consultation undertaken by Llŷr Floating Wind Limited (the 'Applicant') in preparation for the application for a Section 36 consent, under the Electricity Act 1989, and a Marine Licence application under the Marine and Coastal Access Act 2009 (MCAA) for the Llŷr 1 Floating Wind Project (hereafter referred to as 'the proposed Project').
2. The proposed Project is a floating offshore wind farm located 35 kilometres (km) from the Pembrokeshire Welsh coastline, in the Celtic Sea and comprises all infrastructure required to generate and transmit electricity from the Array Area to the National Grid connection point adjacent to Pembroke Power Station, the supporting infrastructure and the required temporary construction areas both offshore and onshore.
3. Ongoing technical engagement was undertaken throughout the development of the ES to inform stakeholders about the proposed Project and consult on the approach to the ES.
4. The EIA technical engagement undertaken by each topic area is detailed in **Table 6A-1** below.
5. Within each technical chapter (**Chapters 07 to 28**), a summary of the primary comments raised during engagement is provided. Additionally, they detail how feedback has been responded to, where relevant.

Table 6A-1 Technical engagement log

Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
General				
Pembrokeshire Coast National Park Authority (PCNPA)	October 2022	Teams Call	Introductory meeting with PCNPA to introduce the proposed Project, and required environmental inputs.	N/A
National Resources Wales (NRW)	03.02.23	Teams Call	Introductory meeting with NRW to set out consent strategy and the various inputs that are being coordinated for the ES.	N/A
NRW	08.03.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
The Crown Estate	22.03.23	Teams Call	Meeting with the Crown Estate to discuss the MoD response and to gather TCE feedback.	N/A
NRW and Joint Nature Conservation Council (JNCC)	23.05.23	Teams Call	General catch-up with NRW and JNCC discussing updates including meeting with Crown Estate.	N/A
PCNPA	11.05.23	Teams Call	An introductory meeting between a member of the proposed Project team based in Wales and the PCNPA.	N/A
NRW	14.06.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
NRW	12.07.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
Pembrokeshire County Council (PCC)	19.07.23	Teams Call	General project update, consent strategy, discussion on programme and overview of the onshore ES.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
PCC	24.07.23	Email	Email sharing Draft Community Consultation Commitment with PCC for review.	N/A
NRW	04.08.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
PCC	10.08.23	Email	Confirmation PCC had no comments on the Community Consultation Commitment.	N/A
NRW	15.08.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
NRW	13.09.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
NRW	02.10.23	Teams Call	General catch-up with NRW discussing programme, stakeholder engagement and other updates.	N/A
NRW	17.10.23	Email	All finalised minutes from project update calls issued to NRW, with outstanding minutes being finalised.	N/A
PNCPA	10.01.24	Teams Call	Call to provide an update on the proposed Project and that the pre-application public consultation was live. PCNPA confirmed they were aware of submission dates and would formally comment as an LPA at that stage.	N/A
Planning and Environment Decisions Wales (PEDW)	02.02.24	Teams Call	Proposed Project update call.	N/A
PEDW	29.02.24	Email	PEDW answered queries shared by the Applicant regarding Application submission.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
PEDW	05.03.24	Teams Call	Call to discuss Application submission.	N/A
Terrestrial Environment (ES Volume 2)				
Landscape and Visual (ES Chapter 07) and Seascape, Landscape and Visual (ES Chapter 23)				
NRW	20.04.23	Teams Call	Meeting with NRW to discuss the proposed LVIA and SLVIA scope.	Volume 2, ES Chapter 07, Section 7.3
PCNPA	28.04.23	Email	Email to introduce the proposed Project and share the proposed LVIA and SLVIA scope, including the proposed viewpoint locations and approach to visualisations for review.	Volume 2, ES Chapter 07, Section 7.3
PCC	28.04.23	Email	Email to introduce the proposed Project and share the proposed LVIA and SLVIA scope, including the proposed viewpoint locations and approach to visualisations for review.	N/A
NRW	15.05.23	Email	Written advice from NRW following the meeting on 20.4.23.	Volume 2, ES Chapter 07, Section 7.3
NRW	14.06.23	Email	Email response to NRW advice on LVIA and SLVIA impacts.	Volume 2, ES Chapter 07, Section 7.3
NRW	22.06.23	Email	Written advice from NRW in response to email of 14.06.23 setting out further LVIA and SLVIA scope/ approach details.	Volume 2, ES Chapter 07, Section 7.3
PCNPA	17.07.23	Teams Call	Meeting with PCNPA to discuss assessment scope and methodology.	Volume 2, ES Chapter 07, Section 7.3
PCC	05.02.24	Email	Sharing updated viewpoint locations for the onshore elements for review.	N/A
PCNPA	05.02.24	Email	Sharing updated viewpoint locations for the onshore elements for review. PCNPA responded on 07.02.24 to accept that selected viewpoints are representative of likely views from PCNP.	Volume 2, ES Chapter 07, Section 7.3
NRW	05.02.24	Email	Sharing updated viewpoint locations for the onshore elements for review. NRW responded on	Volume 2, ES Chapter 07, Section 7.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
			08.02.24 to note they are unable to provide discretionary advice at this stage.	
PCNPA	07.02.24	Email	Written advice confirming acceptance of assessment viewpoint locations.	Volume 2, ES Chapter 07, Section 7.3
Ecology and Biodiversity (ES Chapter 08)				
PCNPA and PCC	02.02.23	Teams Call	Call to discuss the proposed Project.	Volume 2, ES Chapter 08, Section 8.3
PCC ecologist	16.02.23	Email	Email to introduce the proposed Project and invitation for a meeting.	N/A
PCC ecologist	02.03.23	Teams Call	Call to discuss the proposed Project and approach to ecological surveys.	N/A
PCC ecologist	07.03.23	Email	Email follow-up from meeting to add suggestions and points from PCC on ecological surveys.	Volume 2, ES Chapter 08, Section 8.3
PCC ecologist	06.07.23	In-person meeting	Meeting to discuss the proposed Project and approach to ecological surveys along with an update.	Volume 2, ES Chapter 08, Section 8.3
PCC ecologist	06.07.23	Email	Sharing summary of discussion.	Volume 2, ES Chapter 08, Section 8.3
PCC ecologist	20.09.23	Teams Call	Follow-up meeting took place to discuss the latest updates on the proposed Project and approach to ecological surveys along with an update.	Volume 2, ES Chapter 08, Section 8.3
Historic Environment and Cultural Heritage (ES Chapter 09)				
DAT (Dyfed Archaeological Trust)	29.04.22	Email	Noted that the DBA should assess both the visual impact of the development on the historic landscape/setting of historic assets and the potential direct impact on archaeological deposits. It is expected that a Written Scheme of Investigation for this assessment would be submitted in advance.	Volume 2, ES Chapter 09, Section 9.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
DAT	29.04.22	Email	Advised consultation with Cadw to ascertain whether the ASIDOHL methodology is appropriate.	Volume 2, ES Chapter 09, Section 9.3
DAT	29.04.22	Email	The latest version of PPW (ed. 11) dates to 2021 and the 2021 Historic Environment (Archaeology) SPG prepared by PCNPA is a joint document with PCC.	Volume 2, ES Chapter 09, Section 9.3
Cadw	10.05.22	Email	Historic Environment (Wales) Act 2016 should be added to the list of relevant legislation. Given nature of development an Assessment of the Significance of the Impact of Development on Historic Landscapes (ASIDOHL2) not relevant.	Volume 2, ES Chapter 09, Section 9.3
DAT	26.06.23	Email	Email issued to reintroduce proposed Project and request opinion on proposed search areas for HER ES chapter.	N/A
DAT	28.06.23	Email	DAT confirmed that proposed searched areas are appropriate.	Volume 2, ES Chapter 09, Sections 9.3
DAT	26.7.23	Email	Written Scheme of Investigation issued to DAT for a desk-based assessment.	Volume 2, ES Chapter 09, Sections 9.3
Cadw	01.02.24	Email	Scope of environment impact assessment to consider the impacts of the works on designated historic receptors.	Volume 2, ES Chapter 09, Sections 9.3
Water Environment (ES Chapter 10)				
NRW	28.03.23	Teams Call	Call to discuss the Onshore Water Quality, WFD and Flood Risk and assessment methodology and approach, as well as the outcomes of the scoping opinion.	Volume 2, ES Chapter 10, Section 10.3
NRW	30.03.23	Teams Call	Call to discuss the marine water and sediment quality assessment methodology and approach, as well as the outcomes of the scoping opinion.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW	16.05.23	Email	Email to clarify the proposed approach to the onshore water feature surveys was acceptable.	N/A
PCC	14.07.23	Email	Email to schedule a call regarding the proposed Project's drainage strategy.	N/A
PCC	19.07.23	Email	Email to arrange a call with PCC drainage team regarding the onshore flood risk elements.	N/A
PCC	28.11.23	Team Call	Call to discuss the onshore flood risk elements.	N/A
PCC	04.01.24	Email	Sharing meeting minutes.	N/A
Geology and Hydrogeology (ES Chapter 11)				
PCC	28.03.23	Email	Email seeking agreement on NRW-agreed approach and further information to support assessments.	N/A
PCNPA	21.04.23	Email	Email introduction to the proposed Project and invitation for a meeting.	N/A
NRW	25.04.23	Teams call	Meeting to introduce the proposed Project and chapter topic and provide an overview of proposed methodologies.	Volume 2, ES Chapter 11, Section 11.3
NRW	03.05.23	Email	Sharing meeting minutes and actions.	N/A
NRW	12.05.23	Email	Email clarifying approach and seeking agreement and extending invitation for a follow-up call.	
PCNPA	15.05.23	Email	Email invitation for a meeting to discuss the proposed approach to the environmental assessment.	Volume 2, ES Chapter 11, Section 11.3
NRW	16.05.23	Email	NRW confirms acceptance of approach but note potential requirement for additional survey work and assessments in the future, based on the information submitted.	Volume 2, ES Chapter 11, Section 11.3
PCC	17.05.23	Email	Email invitation for a meeting to discuss our proposed approach for the assessment, although as already discussed and agreed with NRW, are	Volume 2, ES Chapter 11, Section 11.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
			they happy with that (and don't require a meeting).	
PCC	23.06.23	Email	Email agreeing approach for the Phase 2 assessment, that the requirement for any site investigations can be conditioned later, subject to the findings of the Phase 1 assessment which is to be submitted with the Environmental Statement at the application stage.	Volume 2, ES Chapter 11, Section 11.3
PCC	26.06.23	Email	Email requesting further information to support assessments.	Volume 2, ES Chapter 11, Section 11.3
PCC	17.07.23	Email	Email requesting further information to support assessments.	Volume 2, ES Chapter 11, Section 11.3
PCC	17.10.23	Email	Email with updated meeting minutes.	N/A
Agriculture and Soils (ES Chapter 12)				
NRW	11.07.23	Email	Email to extend invitation to discuss soil chapter. NRW noted they could only offer advice if soil was potentially contaminated.	N/A
Traffic and Transport (ES Chapter 13)				
Milton Haven Port Authority (MHPA)	12.01.23	Email	Email to introduce the proposed Project and invitation to a meeting to discuss the proposed Project and approach to environmental assessment.	N/A
MHPA	31.03.23	Teams Call	Proposed Project catch-up call.	N/A
PCC	03.05.23	Email	Email requesting use of Erebus construction traffic data.	N/A
PCC	21.04.24	Email	Email requesting accident data for the study area	N/A
PCC	05.06.23	Email	Email to introduce the proposed Project and seek feedback on the Public Rights of Way (PRoW) network.	N/A
Air Quality (ES Chapter 14)				



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
PCC	09.06.23	Email	Email to introduce the proposed Project and invitation to a meeting to discuss potential implications on air quality.	Volume 2, ES Chapter 14, Section 14.3
PCC	09.08.23	Email	Email to provide additional information on the proposed Project as requested and invitation to a call to discuss further.	Volume 2, ES Chapter 14, Section 14.3
Noise and Vibration (ES Chapter 15)				
PCC	09.08.23	Email	Email to introduce the proposed Project and invitation to a call to discuss the proposed approach to environmental assessment.	Volume 2, ES Chapter 15, Section 15.3
Socio-economics, Recreation and Tourism (ES Chapter 16)				
PCNPA	12.05.23	Email	Email to introduce the Proposed Project and invitation to meet.	Volume 2, ES Chapter 16, Section 16.3
PCNPA	05.07.23	Teams Call	Meeting to discuss the proposed Project and approach to Environmental Assessment.	Volume 2, ES Chapter 16, Section 16.3
Marine Environment (ES Volume 3)				
Physical Environment (ES Chapter 17)				
NRW	30.03.23	Teams Call	Call to provide an overview of the proposed Project and provide an indication of how the matters raised in NRW's scoping opinion are being considered.	N/A
NRW	3.07.23	Teams Call	Offshore cable route workshop with NRW.	N/A
Marine Water Quality (ES Chapter 18)				
NRW	25.05.23	Email	Email requesting data for on certain water quality parameters within the Study Area.	Volume 3, ES Chapter 18, Section 18.3
NRW	30.03.23	Teams Call	A meeting was held with NRW to outline the proposed Project elements and discuss the outcomes of the Scoping Opinion.	Volume 3, ES Chapter 18, Section 18.3
Benthic Ecology (ES Chapter 19)				
NRW	29.03.23	Teams Call	Call to discuss the benthic ecology.	Volume 3, ES Chapter 19, section 19.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW	09.06.23	Email	Sharing the geophysical and benthic survey reports.	Volume 3, ES Chapter 19, section 19.3
NRW	?	Email	NRW shares written response to the geophysical and benthic survey reports.	?
NRW and JNCC	14.06.23	Teams Call	Meeting to discuss proposed Project updates.	Volume 3, ES Chapter 19, section 19.3
NRW	15.08.23	Teams Call	Meeting to discuss the derogation process and alternative route options, and what happens if a sensitive habitat cannot be avoided,	Volume 3, ES Chapter 19, section 19.3
NRW and Marine Licensing	16.08.23	Teams Call	Meeting to discuss procedures, marine licencing requirements and variations processes.	Volume 3, ES Chapter 19, section 19.3
NRW	02.10.23	Teams Call	Follow-up meeting.	N/A
Fish and Shellfish Ecology (ES Chapter 20)				
NRW	28.03.23	Teams Call	Meeting to review NRW's Scoping Opinion and how the matters have been considered in the Chapter.	N/A
Natural England	25.05.23	Email	Email introduction to the proposed Project and invitation for a meeting.	N/A
Natural England	06.06.23	Teams Call	Meeting to discuss fish and shellfish approach to methodology.	N/A
Marine Mammals (ES Chapter 21)				
NRW	20.01.23	Email	Sharing the 'Survey summary paper' with key questions on methodology to be agreed.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW	08.02.23	Teams Call	Meeting to discuss the 'Survey summary paper'.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW	16.02.23	Email	Email sharing actions from meeting on 08.23.23 and invitation to discuss the subsequent stages of assessment (impact modelling and population	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
			consequences) for each ornithology and marine mammals.	
NRW	17.02.23	Email	Written advice from NRW (A) in response to the 'Survey summary paper' and meeting held on 8 February 2023.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW and JNCC	03.03.23	Email	Email sharing 'Marine Mammal Assessment Methodology Paper' for review.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW	16.03.23	Email	Issuing design and model-based analysis methods advice to NRW outlining the proposed method for using inlabru for calculation of model-based density and abundance estimates from DAS.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW	05.04.23	Email	NRW share advice in response to the 'Design and model-based analysis methods' Comment on the inlabru approach and additional comments on the report.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
JNCC	18.04.23	Email	Email overview of the proposed Project and invitation to a meeting or option to join scheduled NRW meetings.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW and JNCC	09.05.23	Teams call	Meeting to discuss the marine mammal assessment methodologies.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW and JNCC	09.05.23	Email	Email to clarify a query regarding underwater noise modelling following a call earlier that day.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW and JNCC	06.06.23	Email	Sharing minutes from meeting on 09.05.23.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW	23.05.23	Email	NRW shares written advice on the proposed approaches and methodologies to impact assessment for marine mammals.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW and JNCC	24.05.23	Teams call	Meeting with JNCC/NRW Advisory.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW and JNCC	14.06.23	Email	Email issuing 'Comparison of Model (inlabru) and Design-Based Estimates from Digital Aerial Survey Work and Advice on Density Estimates to Use in Noise Assessment' paper for review.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
NRW	11.09.23	Email	Written advice from NRW regarding Marine mammal density estimate.	Volume 3, ES Chapter 21, Sections 21.9 (Project Assessment) and 21.11 (Cumulative Assessment).
Ornithology (ES Chapter 22)				
NRW	20.01.23	Email	Sharing the 'Survey summary paper' with key questions on methodology to be agreed.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	08.02.23	Teams call	Meeting with NRW to discuss the proposed Project's digital aerial survey programme, baseline characterisation data and potential approaches to analysis of these data.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	16.02.23	Email	Email sharing actions from meeting on 08.23.23 and invitation to discuss the subsequent stages of assessment (impact modelling and population consequences) for each ornithology and marine mammals.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	17.02.23	Email	Written advice from NRW (A) in response to the 'Survey summary paper' and meeting held on 8 February 2023.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW	22.02.23	Email	Sharing the marine ornithology assessment methodology paper.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	02.03.23	Email	Email sharing Appendix D to the marine ornithology assessment methodology paper which presents design-based density and abundance estimates of 17 seabird species.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	07.03.23	Teams call	Ornithology assessment methodology discussion.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	16.03.23	Email	Issuing design and model-based analysis methods advice to NRW outlining the proposed method for using inlabru for calculation of model-based density and abundance estimates from DAS.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
Royal Society for Protection of Birds (RSPB) Cymru, The Wildlife Trust of South and West Wales, Severn Estuary Partnership, Whale and Dolphin Conservation, Marine Conservation Society	16.03.23	Email	Email introduction to the proposed Project and invitation to a meeting to discuss proposed Project details and the proposed approach to environmental assessment.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW	21.03.23	Email	Email to share meeting minutes and confirm actions from meeting on 07.03.23	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
Severn Estuary Partnership	30.03.23	Email	Severn Estuary Partnership emailed to confirm they won't be able to meet as they are a small team with limited resources.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	05.04.23	Email	NRW provide Marine Ornithology Proposed Assessment Methodology Advice.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	06.04.23	Email	NRW share advice in response to the 'Design and model-based analysis methods' Comment on the inlabru approach and additional comments on the report.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	21.04.23	Email	Email to seek clarity on questions regarding EIA.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
JNCC	18.04.23	Email	Email overview of the proposed Project and invitation to a meeting or option to join scheduled NRW meetings.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
JNCC	26.04.23	Email	Sharing meeting minutes from Ornithology assessment methodology discussion with NRW.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
JNCC	27.04.23	Email	The JNCC case officer emailed to introduce themselves, request a meeting, and offer to review the updated planned assessment methodologies when available.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	05.05.23	Email	NRW provided responses to questions.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW and JNCC	12.05.23	Email	Sharing updated marine ornithology assessment paper following NRW feedback.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
JNCC	18.05.23	Teams call	Meeting to provide overview of the proposed Project and update on latest discussions with NRW.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	24.05.23	Teams call	Meeting with JNCC/NRW Advisory.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	26.05.23	Email	Sharing meeting minutes from previous call.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	06.06.23	Email	Sharing draft decision log for review.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	09.06.23	Email	Survey summary paper re-issued updated with non-ID bird records as requested by NRW and JNCC at the meeting on 24 May.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW	09.06.23	Email	NRW share new Cetacean and Seabird Atlas.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	09.06.23	Email	JNCC/NRW Advisory confirmed that comparing different seabird estimates suffices for the proposed Project, with further advice pending for marine mammals.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	09.06.23	Email	Confirmed the progress on the comparison paper for seabird estimates and marine mammals would be shared shortly thereafter.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW and JNCC	14.06.23	Email	Email issuing paper on 'Comparison of Model (inlabru) and Design-Based Estimates from Digital Aerial Survey Work' for Marine Ornithological receptors.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	15.06.23	Email	NRW and JNCC share joint advice on EIA seabird reference populations to use in assessment.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
North Wales Wildlife Trust, PCC, PCNPA and RSPB	07.07.23	Teams Call	Stakeholder briefing meeting covering an introduction to the proposed Project, introduction to the work completed to date, marine ornithology and marine mammal assessment and post construction monitoring.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
The Wildlife Trust	10.07.23	Teams Call	Meeting covering an introduction to the proposed Project, introduction to the work completed to date, marine ornithology and marine mammal assessment and post construction monitoring.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	17.07.23	Email	Email from NRW and JNCC in response to the inlabru paper issued on the 14 June, agreeing to the use of inlabru for the proposed Project.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
JNCC	04.08.23	Email	JNCC comments providing any outstanding advice and an account of advice provided thus far.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	15.08.23	Email	Short papers issued in advance of the meeting the following day.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	16.08.23	Teams Call	Meeting to provide an update on marine ornithology.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW/Natural England	14.11.23	Email	NRW forwarded a paper from Natural England on suggested 'gap-filling' for older projects with an absence of data.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	16.11.23	Teams Call	General discussion on the treatment of uncertainty in ornithology impact assessment for offshore windfarms.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	08.12.23	Email	NRW and JNCC advice note on treatment of uncertainty in marine ornithological assessment.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
NRW and JNCC	11.03.24	Email	Providing NRW and JNCC with the technical papers they requested on survey coverage and on treatment of uncertainty in marine ornithological impact assessment.	Volume 3, ES Chapter 22, Sections 22.8 (Project Assessment) and 22.11 (Cumulative Assessment).
Seascape, Landscape and Visual (ES Chapter 23)				
NRW	20.04.23	Teams Call	Meeting with NRW to discuss proposed SLVIA scope.	Volume 3, ES Chapter 23, section 23.3
PCNPA	28.04.23	Email	Email to introduce the proposed Project and share the proposed SLVIA scope, including the proposed viewpoint locations and approach to visualisations for review.	Volume 3, ES Chapter 23, section 23.3
PCC	28.04.23	Email	Email to introduce the proposed Project and share the proposed SLVIA scope, including the proposed viewpoint locations and approach to visualisations for review.	N/A
NRW	15.05.23	Email	Written advice from NRW following the meeting on 20.4.23.	Volume 3, ES Chapter 23, section 23.3
NRW	14.06.23	Email	Email response to NRW advice on LVIA and SLVIA impacts.	Volume 3, ES Chapter 23, section 23.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
NRW	22.06.23	Email	Written advice from NRW in response to email of 14.06.23 setting out further LVIA and SLVIA scope/ approach details.	Volume 3, ES Chapter 23, section 23.3
PCNPA	17.07.23	Teams Call	Meeting with PCNPA to discuss assessment scope and methodology.	Volume 3, ES Chapter 23, section 23.3
PCC	05.02.24	Email	Sharing updated viewpoint locations for the onshore elements for review.	N/A
PCNPA	05.02.24	Email	Providing confirmation of daytime and night-time viewpoints for the offshore elements of the proposed Project. PCNPA responded on 07.02.24 to accept that selected viewpoints are representative of likely views from PCNP.	Volume 3, ES Chapter 23, section 23.3
NRW	05.02.24	Email	Providing confirmation of daytime and night-time viewpoints for the offshore elements of the proposed Project. NRW responded on 08.02.24 to note they are unable to provide discretionary advice at this stage.	Volume 3, ES Chapter 23, section 23.3
PCNPA	07.02.24	Email	Written advice confirming acceptance of assessment viewpoint locations.	Volume 3, ES Chapter 23, section 23.3
Marine Archaeology (ES Chapter 24)				
Royal Commission on the Ancient and Historical Monuments of Wales (RCAHMW)	24.03.23	Email	Email to introduce the Proposed Project and invitation for a meeting and proposed assessments.	Volume 3, ES Chapter 24, Section 24.3
RCAHMW	28.03.23	Teams Call	Call to discuss the marine archaeological assessments to be undertaken for the proposed Project.	Volume 3, ES Chapter 24, Section 24.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
DAT	24.03.23	Email	Email to introduce the proposed Project and invitation for a meeting and proposed assessments.	Volume 3, ES Chapter 24, Section 24.3
DAT	31.03.23	Telephone Call	Call from DAT to flag issues with their internal server and that they will be sharing data as soon as servers are back online.	Volume 3, ES Chapter 24, Section 24.3
RCAHMMW	01.02.2024	Telephone Call	Call to discuss data requirements following revisions to the route of the OfECC.	Volume 3, ES Chapter 24, Section 24.3
DAT	07.02.2024	Email	Email to DAT requesting data for revised route of the OfECC. No records held by DAT are located in the revised OfECC; advised to contact RCAHMMW	Volume 3, ES Chapter 24, Section 24.3
RCAHMMW	28.03.24	Teams call	Meeting to discuss changes to the OfECC and the potential to submit revised archaeological assessment of marine geophysical survey data post submission of ES. It was indicated that completion of surveys and review of the revised assessments (and subsequent WSI) will likely be a condition of consent.	Volume 3, ES Chapter 24, Section 24.3
Shipping and Navigation (ES Chapter 25)				
UK Chamber of Shipping	12.01.23	Email	Email to introduce the proposed Project and invitation to a meeting to discuss the approach to environmental assessment.	N/A
MHPA	12.01.23	Email	Email to introduce the proposed Project and ask for likely attendees/interested parties	N/A
Maritime and Coastguard Agency (MCA) and Trinity House	12.01.23	Email	Email to introduce the proposed Project and invitation to a meeting to discuss the proposed Project and approach to environmental assessment and NRA.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
UK Chamber of Shipping	10.02.23	Teams Call	Call to discuss approach to environmental assessment and navigational safety in and out of Milford Haven.	Volume 3, ES Chapter 25, Section 25.3
UK Chamber of Shipping	10.02.23	Teams Call	Technical Workshop with the Chamber of Shipping.	Volume 3, ES Chapter 25, Section 25.3
UK Chamber of Shipping	10.02.23	Email	Sharing slides and meeting minutes.	N/A
MCA and Trinity House	23.02.23	Teams Call	Virtual Technical workshop with MCA and Trinity House ahead of undertaking of Navigational Risk Assessment (NRA).	Volume 3, ES Chapter 25, Section 25.3
MHPA	01.03.23	In person at the port of Milford Haven	Meeting with the port to discuss community engagement plans, provide a project update and receive feedback on design and proposed locations of infrastructure.	Volume 3, ES Chapter 25, Section 25.3
MCA and Trinity House	07.03.23	Email	Sharing meeting minutes.	N/A
MCA, Trinity House, MHPA, Chamber of Shipping	27.03.23	In person meeting	Meeting to discuss feedback provided by the MCA, Trinity House and Chamber of Shipping on the configuration of the proposed Project in relation to a shipping route to/from the Port of Milford Haven.	N/A
Stena Line	16.06.23	Regular Operator consultation	Completed regular operator consultation as advised.	Volume 3, ES Chapter 25, Section 25.3
MCA, Trinity House and UK Chamber of Shipping	26.6.23	Email	Email to consult on potential changes to boundary areas. MCA shared views on the array area.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
MCA, Trinity House and UK Chamber of Shipping	26.6.23	Email	Email issued, sharing three potential locations for the deployment of the FliDAR for the project.	N/A
MCA, Trinity House and UK Chamber of Shipping	27.6.23	Email	MCA shared preference for FliDAR being southernmost option presented.	N/A
Irish Ferries	18.07.23	Regular Operator consultation	Completed regular operator consultation as advised.	Volume 3, ES Chapter 25, Section 25.3
UK Chamber of Shipping and Trinity House	31.07.23	Email	Email to update on the Navigation Risk Assessment process.	N/A
MCA, Trinity House, UK Chamber of Shipping, MHPA and Royal Yachting Association (RYA)	22.08.23	Teams Call	Hazard Workshop took place.	Volume 3, ES Chapter 25, Section 25.3
RYA	29.09.23	Email	Email from RYA to advise on capacity issues at Milford Haven.	Volume 3, ES Chapter 25, Section 25.3
UK Chamber of Shipping and MHPA	19.12.23	Teams Call	Follow-up meeting took place to discuss the latest updates on the proposed Project.	Volume 3, ES Chapter 25, Section 25.3
MCA and Trinity House	09.01.24	Teams Call	Follow-up meeting took place to discuss the latest updates on the proposed Project.	Volume 3, ES Chapter 25, Section 25.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
Commercial Fisheries (ES Chapter 26)				
National Federation of Fishermen’s Organisations (NFFO) Welsh Fishermans Association - Cymdeithas Pysgotwyr Cymru (WFA-CPC), Cornwall Inshore Fisheries and Conservation Authority (IFCA), Devon and Severn IFCA Belgium – Rederscentrale France - From Nord, Irish Fish Producers Organisation (IFPO)	20.03.23	Email	Email introduction to the proposed Project and extending an invitation to a meeting aimed at discussing potential impacts on commercial fisheries, informing the proposed Project's impact assessment process.	N/A
France - From Nord	31.03.23	Email	From NORD confirmed their members are not concerned by the proposed Project.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
WFA-CPC	19.09.23	Teams Call	Meeting held to discuss proposed Project and approach to commercial fisheries EIA.	N/A
Devon and Severn IFCA	21.03.23	Email	Noted Llŷr developments are some distance from IFCA district, thus IFCA has limited knowledge of fishing in area.	N/A
Welsh Government, Marine and Fisheries Division	03.01.23	Email	A support officer shared scallop fishing vessel activity data.	N/A
Welsh Government, Marine and Fisheries Division	23.10.23	Email	Email overview of the proposed Project and invitation to a meeting to discuss potential impacts and understand any concerns.	N/A
Welsh Government, Marine and Fisheries Division	27.10.23	Email	Following advice from a support officer that the Fisheries Division sits within a separate part of the Welsh Government, a new email overview of the proposed Project and invitation to a meeting to discuss potential impacts and understand any concerns.	N/A
Aviation and Radar (ES Chapter 27)				
NATS Safeguarding	25.01.23	Email	Email to understand initial safeguarding concerns.	N/A
Ministry of Defence (MOD)	25.01.23	Email	Email to understand initial safeguarding concerns.	N/A



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
MOD	07.03.23	Phone call	Phone call to discuss the requirements for the safeguarding assessment process, during which the scoping report was requested.	N/A
MOD	08.03.23	Letter	The MOD responded to address concerns raised in the Scoping Report, acknowledging potential impacts on aviation and radar systems. They recommend moving the Llŷr 2 array area westward by three nautical miles to mitigate objections, highlighting conflicts with highly surveyed routes and the need to ensure navigation safety.	Volume 3, ES Chapter 27, Section 27.3
NATS safeguarding	12.06.23	Email	NATS raised an objection due to the impacts on Burrington radar. Radar blanking would be a suitable solution.	Volume 3, ES Chapter 27, Section 27.3
MOD	13.10.23	Phone call	The Applicant had a phone call with the MOD to seek clarification on various issues.	Volume 3, ES Chapter 27, Section 27.3
MOD	24.10.23	Letter	The Applicant followed up with a letter to the MOD seeking further clarification on raised issues.	Volume 3, ES Chapter 27, Section 27.3
MOD	02.11.23	Letter	The Applicant withdrew the Llŷr 1 and Llŷr 2 layout proposal assessment submitted to the MOD on 13.07.23 and requested confirmation regarding their revised figure.	Volume 3, ES Chapter 27, Section 27.3
Irish Aviation Authority (IAA)	13.02.24	Email	Email to understand initial safeguarding concerns.	Volume 3, ES Chapter 27, Section 27.3
Cornwall Airport Newquay	21.02.24	Email	Email to understand initial safeguarding concerns.	Volume 3, ES Chapter 27, Section 27.3



Consultee Organisation	Date	Communications Method	Summary of Engagement	Associated Chapter for Further Information
Other Sea Users (ES Chapter 28)				
NA				