



**LLYR**

# LLYR FLOATING OFFSHORE WIND PROJECT

**Llŷr 1 Floating Offshore Wind Farm**

**Environmental Statement**

**Volume 6: Appendix 13A – Automatic Traffic Counts (ATC)  
Summary Sheets**

**August 2024**

Prepared by: Llŷr Floating Wind Ltd



**Document Status**

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**Approval for Issue**

Prepared by           AECOM  
Prepared for         Llŷr Floating Wind Limited  
Approved by         Jay Hilton-Miller

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## Acronyms and abbreviations

Acronym or Abbreviation	Definition	Acronym or Abbreviation	Definition
ACPO	Association of Chief Police Officers	mph	Miles per Hour
ATC	Automatic Traffic Counts	PSL	Posted Speed Limit
DfT	Department for Transport	%ile	Percentile

## 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.
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 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).

Term	Definition
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.

**13-A ATC SUMMARY SHEETS**

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
1	B4329 - attached to POST 350	Northbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	23725	3547	3389	2556	10.8	588	2.5	106	0.4	41.7	48.4
		Southbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	25411	3860	3630	3406	13.4	793	3.1	190	0.7	42.8	49.4
		Two Way	50	Friday, 16 June 2023	Thursday, 22 June 2023	49136	7407	7019	5962	12.1	1381	2.8	296	0.6	42.3	48.9

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
2	CLAY LANE - attached POST 12	Eastbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	14150	2243	2021	7385	52.2	2532	17.9	518	3.7	50.5	58.0
		Westbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	12778	1994	1825	6467	50.6	2385	18.7	543	4.2	50.1	58.3
		Two Way	50	Friday, 16 June 2023	Thursday, 22 June 2023	26928	4237	3846	13852	51.4	4917	18.3	1061	3.9	50.3	58.2

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
3	B4320 - attached to SIGN 50	Eastbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	11692	1871	1670	7948	68.0	4265	36.5	1629	13.9	54.6	64.5
		Westbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	11334	1842	1619	8707	76.8	4249	37.5	1442	12.7	55.5	63.6
		Two Way	50	Friday, 16 June 2023	Thursday, 22 June 2023	23026	3713	3289	16655	72.3	8514	37.0	3071	13.3	55.0	64.1

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
4	WALLASTON GREEN ROAD - attached to CATTLE SIGN	Northbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	7375	1306	1054	2006	27.2	660	8.9	163	2.2	43.4	54.2
		Southbound	50	Friday, 16 June 2023	Thursday, 22 June 2023	7021	1250	1003	1606	22.9	573	8.2	107	1.5	40.9	53.0
		Two Way	50	Friday, 16 June 2023	Thursday, 22 June 2023	14396	2556	2057	3612	25.1	1233	8.6	270	1.9	42.2	53.6

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
5	GOLDBOURGH ROAD - attached to POST 12	Eastbound	40	Friday, 16 June 2023	Thursday, 22 June 2023	67	10	10	0	0.0	0	0.0	0	0.0	23.8	31.7
		Westbound	40	Friday, 16 June 2023	Thursday, 22 June 2023	60	9	9	2	3.3	0	0.0	0	0.0	25.5	33.3
		Two Way	40	Friday, 16 June 2023	Thursday, 22 June 2023	127	20	18	2	1.6	0	0.0	0	0.0	24.6	32.6

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit	% > DfT Limit	Mean Speed	85%ile Speed
8	WEST HILL - attached to Post	Northbound	30	Friday, 16 June 2023	Thursday, 22 June 2023	15534	2322	2219	5370	34.6	642	4.1	3	0.0	28.6	32.2
		Southbound	30	Friday, 16 June 2023	Thursday, 22 June 2023	80460	12271	11494	19128	23.8	1536	1.9	31	0.0	27.0	31.0
		Two Way	30	Friday, 16 June 2023	Thursday, 22 June 2023	95994	14593	13713	24498	25.5	2178	2.3	34	0.0	27.3	31.3

Site No.	Location.	Direction.	Speed Limit - PSL (mph)	Start Date.	End Date.	Total Vehicles.	5 Day Ave.	7 Day Ave.	No. > Speed Limit.	% > Speed Limit.	No. > ACPO Limit.	% > ACPO Limit.	No. > DfT Limit.	% > DfT Limit.	Mean Speed	85%ile Speed
9	A4075 - attached to Post	Northbound	30	Friday, 16 June 2023	Thursday, 22 June 2023	15117	2231	2160	14118	93.4	12071	79.9	3476	23.0	40.2	47.0
		Southbound	30	Friday, 16 June 2023	Thursday, 22 June 2023	14862	2232	2123	14152	95.2	11545	77.7	2312	15.6	39.4	45.1
		Two Way	30	Friday, 16 June 2023	Thursday, 22 June 2023	29979	4463	4283	28270	94.3	23616	78.8	5788	19.3	39.8	46.1

