



Arklow Bank Wind Park 2

Environmental Impact Assessment Report

Volume III, Appendix 17.2: Seascape and Landscape Visual Impact
Preliminary Assessment

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1.0	17/05/2024	Final (External)	OPEN	GoBe Consultants	Sure Partners Limited

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Glossary

Term	Meaning
Arklow Bank Wind Park 1	Arklow Bank Wind Park 1 consists of seven wind turbines, offshore export cable and inter-array cables. Arklow Bank Wind Park 1 has a capacity of 25.2 MW. Arklow Bank Wind Park 1 was constructed in 2003/04 and is owned and operated by Arklow Energy Limited. It remains the first and only operational offshore windfarm in Ireland.
Arklow Bank Wind Park 2 – Offshore Infrastructure	“The Proposed Development”, Arklow Bank Wind Park 2 Offshore Infrastructure: This includes all elements under the existing Maritime Area Consent.
Arklow Bank Wind Park 2 (ABWP2) (The Project)	<p>Arklow Bank Wind Park 2 (ABWP2) (The Project) is the onshore and offshore infrastructure. This EIAR is being prepared for the Offshore Infrastructure. Consents for the Onshore Grid Infrastructure (Planning Reference 310090) and Operations Maintenance Facility (Planning Reference 211316) has been granted on 26th May 2022 and 20th July 2022, respectively.</p> <ul style="list-style-type: none"> • Arklow Bank Wind Park 2 Offshore Infrastructure: This includes all elements to be consented in accordance with the Maritime Area Consent. This is the subject of this EIAR and will be referred to as ‘the Proposed Development’ in the EIAR. • Arklow Bank Wind Park 2 Onshore Grid Infrastructure: This relates to the onshore grid infrastructure for which planning permission has been granted. • Arklow Bank Wind Park 2 Operations and Maintenance Facility (OMF): This includes the onshore and nearshore infrastructure at the OMF, for which planning permission has been granted. • Arklow Bank Wind Park 2 EirGrid Upgrade Works: any non-contestable grid upgrade works, consent to be sought and works to be completed by EirGrid.
Array Area	The Array Area is the area within which the Wind Turbine Generators (WTGs), the Offshore Substation Platforms (OSPs), and associated cables (export, inter- array and interconnector cabling) and foundations will be installed..
Bathymetry	The measurement of water depth in oceans, seas, and lakes.
Cable Corridor and Working Area	The Cable Corridor and Working Area is the area within which export, inter-array and interconnector cabling will be installed This area will also facilitate vessel jacking operations associated with installation of WTG structures and associated foundations within the Array Area.
Competent Authority (CA)	The authority designated as responsible for performing the duties arising from the EIA Directive as amended. For this application, the Competent Authorities is An Bord Pleanála.
Cumulative Impacts	‘The addition of many minor or significant effects, including effects of other Projects, to create larger, more significant effects’ (EPA, 2022).

Term	Meaning
Designated Landscape	Areas of landscape identified as being of importance at international, national or local levels, either defined by statute or identified in local development plans.
Do Nothing Scenario	The environment as it would be in the future should the Proposed Development not be developed.
Do Something Scenario	The environment should the Proposed Development be developed.
EIA	An Environmental Impact Assessment (EIA) is a statutory process by which certain planned Projects must be assessed before a formal decision to proceed can be made. It involves the collection and consideration of environmental information, which fulfils the assessment requirements of the Directive 2011/92/EU on the assessment of the effects of certain public and private Projects on the environment as amended by Directive 2014/52/EU of the European Parliament and of the Council (EIA Directive) and the regulations transposing the EIA Directive (EIA Regulations).
EirGrid	State-owned electric power transmission system operator (TSO) in Ireland and Transmission Asset Owner (TAO) for the Project's transmission assets.
Foreshore	The bed and shore, below the line of high water of ordinary or medium tides, of the sea and of every tidal river and tidal estuary and of every channel, creek, and bay of the sea or of any such river or estuary including the subsoil below, and the water column above the bed and shore and extending to the 12 nautical mile limit.
Indirect Impact	'Impacts on the environment, which are not a direct result of the Project, often produced away from (the site) or as a result of a complex pathway' (EPA, 2022).
Land Use	The use and management of the natural, semi-natural and built environment.
Landfall	The area in which the offshore export cables make landfall and is the transitional area between the offshore cabling and the onshore cabling.
Magnitude	Size, extent and duration of an impact.
Maritime Area Consent (MAC)	A consent to occupy a specific part of the maritime area on a non-exclusive basis for the purpose of carrying out a Permitted Maritime Usage strictly in accordance with the conditions attached to the MAC granted on 22 nd December 2022 with reference number 2022-MAC-002.
Mitigation Measure	Measure which would avoid, reduce, or offset an impact.
Non-statutory stakeholder	Organisations with whom the regulatory authorities may choose to engage who are not designated in law but are likely to have an interest in a Proposed Development.

Term	Meaning
Permitted Maritime Usage	The construction and operation of an offshore windfarm and associated infrastructure (including decommissioning and other works required on foot of any permission for such offshore windfarm).
Sensitive Receptor	Physical or natural resource, special interest or viewer group that may experience an impact.
Sensitivity	Value and susceptibility of a sensitive receptor to change.
The Application	The full set of documents that will be submitted to An Bord Pleanála in support of the consent.
The Developer	Sure Partners Ltd.
Zone of Theoretical Visibility	Areas within which seascape, landscape and visual impact may occur defined by ZTV analysis mapping

Acronyms

Term	Meaning
ABWP2	Arklow Bank Wind Park 2
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EPA	Environmental Protection Agency
LCA	Landscape Character Area
MAC	Maritime Area Consent
RSCA	Regional Seascape Character Area
SLVIA	Seascape, Landscape and Visual Impact Assessment
WTG	Wind Turbine Generator

Units

Unit	Description
Cd	Candela (unit of luminous intensity)
m	Metre
km	Kilometre
MW	Mega Watt
NM	Nautical Miles
fpm	Flashes per minute

1 SLVIA Preliminary Assessment

1.1 Introduction

1.1.1.1 This appendix presents a preliminary assessment of the effects of Arklow Bank Wind Park 2 (ABWP2) Offshore Infrastructure (hereafter referred to as 'the Proposed Development') on seascape, landscape and visual receptors in the Seascape, Landscape and Visual Impact Assessment (SLVIA) Study Area. For those receptors identified as requiring detailed assessment, this is presented in Chapter 17.

1.1.1.2 The preliminary assessment is presented in Table 17.1.1.

Table 17.1.1: Preliminary Assessment of Seascape, Landscape and Visual Effects

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Northeastern Irish Sea Islands & Beaches	52.33	Yes	Relatively widespread theoretical visibility across offshore areas, with more limited theoretical visibility across coastal areas, and at a minimum distance of more than 50 km.	No potential for significant effects – scoped out of detailed assessment.
Dublin Bay	37.31	Yes	Relatively widespread theoretical visibility across offshore areas, with more limited theoretical visibility across coastal areas, and at a minimum distance of more than approximately 37 km.	No potential for significant effects – scoped out of detailed assessment.
Irish Sea Sandbanks & Broad Bays	3.65	Yes	Widespread theoretical visibility across offshore and coastal areas at distances of between approximately 3 and 30 km.	Potential for significant effects that require detailed assessment.
South East Irish Sea	0	Yes	The Array Area is located within this Regional Seascape Character Area (RSCA), and there is widespread visibility throughout offshore and coastal areas.	Potential for significant effects that require detailed assessment.
Celtic Sea Bays & Beaches	53.61	Yes	Widespread visibility across coastal areas, albeit of a proportion of WTGs, with very limited theoretical visibility across coastal areas, at a minimum distance of more than 50 km.	No potential for significant effects – scoped out of detailed assessment.
Mountain Uplands	21.90	Yes	Relatively widespread theoretical visibility across elevated ground towards the east of the LCA at a minimum distance of approximately 22 km.	Potential for significant effects that require detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Blessington Lakes / Poulaphouca Reservoir	42.46	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Bray Mountains Group / Northern Hills	27.77	Yes	Theoretical visibility across elevated ground at a minimum distance of approximately 28 km.	Potential for significant effects that require detailed assessment.
North Eastern Valley / Glencree / Kilcullen	31.88	Yes	Limited theoretical visibility at a minimum distance of approximately 36 km. Actual visibility will be reduced by vegetation cover.	No potential for significant effects – scoped out of detailed assessment.
Northern Coastal Area	12.46	Yes	Relatively widespread theoretical visibility towards the north of the LCA, reducing towards the south in closer proximity to the Array Area. Visibility is generally of a proportion of WTGs within the Array Area. Theoretical visibility will occur at a minimum distance of approximately 13 km.	Potential for significant effects that require detailed assessment.
Southern Coastal Area	6.05	Yes	Widespread theoretical visibility at a minimum distance of approximately 7 km.	Potential for significant effects that require detailed assessment.
North East Mountain Lowlands	14.26	Yes	Intermittent pattern of theoretical visibility across higher ground at a minimum distance of approximately 14 km. Actual visibility will be somewhat reduced by vegetation cover. The LCA has a relatively limited association with the Irish Sea, and changes occurring as a result of the Proposed Development are not considered to have the potential to result in significant effects.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
South East Mountain Lowlands	11.49	Yes	Intermittent pattern of low- to high-level theoretical visibility across higher ground around the edges of the LCA, at a minimum distance of approximately 11 km. Actual visibility will be reduced across parts of the LCA by vegetation cover.	No potential for significant effects – scoped out of detailed assessment.
Southern Hills	18.91	Yes	Intermittent pattern of low-level theoretical visibility across higher ground within western unit. Widespread theoretical visibility across eastern parts of eastern unit, at a minimum distance of approximately 19 km. Actual visibility will be reduced across parts of the LCA by vegetation cover.	No potential for significant effects – scoped out of detailed assessment.
Baltinglass Hills	45.14	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Transitional Lands	22.95	Yes	Limited theoretical visibility across closest unit of LCA at a minimum distance of approximately 23 km, with very limited to no theoretical visibility across all other units.	No potential for significant effects – scoped out of detailed assessment.
Eastern Corridor (N11)	7.55	Yes	Relatively widespread theoretical visibility at a minimum distance of approximately 8 km, although actual visibility will be reduced across parts of the LCA by vegetation cover. Although there is likely to be intermittent visibility of the Proposed Development throughout this LCA, it is heavily influenced by existing man-made infrastructure, including the N11 / M11, which reduces its susceptibility to change. Changes outwith the LCA	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
			associated with the Proposed Development are not considered to have the potential to result in significant effects.	
Western Corridor (N81)	46.05	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Rolling Lowland Areas	14.81	Yes	Relatively widespread theoretical visibility across eastern parts of closest unit, at distances of approximately 15 km. Very limited to no theoretical visibility across all other parts. Actual visibility is likely to be reduced across parts of the LCA by vegetation cover, and the LCA has a somewhat limited association with the coast.	No potential for significant effects – scoped out of detailed assessment.
Uplands	16.11	Yes	Intermittent pattern of theoretical visibility across higher ground at a minimum distance of approximately 18 km. Actual theoretical visibility across parts of the LCA will be reduced by vegetation cover.	Potential for significant effects that require detailed assessment.
Lowlands	12.61	Yes	Relatively widespread theoretical visibility across north-eastern parts at a minimum of 13 km, reducing to intermittent pattern of theoretical visibility across higher ground at distance.	Potential for significant effects that require detailed assessment.
River Valley	30.59	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Coastal	10.79	Yes	Widespread theoretical visibility at a minimum distance of approximately 11 km.	Potential for significant effects that require detailed assessment.
Distinctive Landscapes	-	Yes	Assessment of effects undertaken where relevant from broader Uplands, Lowlands, River Valley or Coastal LCA within which Distinctive Landscape is located, due to limited area covered by Distinctive Landscape.	
Coastal	51.96	Yes	Theoretical visibility across parts at a minimum distance of approximately 50 km.	No potential for significant effects – scoped out of detailed assessment.
Estuary	54.16	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Low Lying Agricultural	56.81	Yes	Relatively limited theoretical visibility across parts at a minimum distance of approximately 57 km.	No potential for significant effects – scoped out of detailed assessment.
River Valleys / Canal	56.20	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Liffey Valley	56.23	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Newcastle Lowlands	53.43	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Urban South Dublin	45.34	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Athgoe & Saggert Hills	47.50	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Dodder & Glensamole	39.60	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Marley Park	45.11	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Kilmashogue Valley	42.23	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Kilmashogue	41.60	Yes	Very limited theoretical visibility at distances of approximately 42 km.	No potential for significant effects – scoped out of detailed assessment.
Ticknock	41.60	Yes	Very limited theoretical visibility at distances of approximately 42 km.	No potential for significant effects – scoped out of detailed assessment.
Barnacullia	41.60	Yes	Very limited theoretical visibility at distances of approximately 42 km.	No potential for significant effects – scoped out of detailed assessment.
Glendoo Valley	37.74	Yes	Limited theoretical visibility across parts at distances of approximately 41 km.	No potential for significant effects – scoped out of detailed assessment.
Kiltiernan Plain	36.92	Yes	Limited theoretical visibility across parts at distances of approximately 37 km.	No potential for significant effects – scoped out of detailed assessment.
Glencullen Valley	37.65	Yes	Very limited theoretical visibility at distances of approximately 38 km.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Carrickmines	40.12	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Ballycorus	37.68	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Rathmichael	36.07	Yes	Very limited theoretical visibility at distances of approximately 36 km.	No potential for significant effects – scoped out of detailed assessment.
Shanganagh	34.91	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Ballyman	34.32	Yes	Very limited theoretical visibility at distances of approximately 34 km.	No potential for significant effects – scoped out of detailed assessment.
Northern Lowlands	57.14	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Eastern Transition	53.25	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Eastern Uplands	48.71	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
South-eastern Uplands	53.32	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Central Undulating Lowlands	59.91	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
River Liffey	49.52	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Central Lowlands	47.88	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
River Slanet – East Rolland Farmland	37.40	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Blackstairs and Mount Leinster Uplands	42.44	Yes	Intermittent pattern of theoretical visibility at a minimum distance of approximately 45 km.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Mountains National Park	25.56	Yes	Theoretical visibility which is widespread across elevated ground at a minimum distance of approximately 26 km.	Potential for significant effects that require detailed assessment.
Bray Special Amenity Area Order	28.54	Yes	Limited theoretical visibility across southern and eastern parts at a distance of approximately 30 km.	Potential for significant effects that require detailed assessment.
Howth Special Amenity Area Order	50.14	Yes	Limited theoretical visibility across southern parts at a distance of approximately 50 km.	No potential for significant effects – scoped out of detailed assessment.
Liffey Valley Special Amenity Area Order	56.22	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Dublin	52.84	Yes	Intermittent pattern of theoretical visibility across limited areas within eastern and northern parts of Greater Dublin at a minimum distance of approximately 39 km.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Bray	33.71	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Enniskerry	34.71	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Greystones	26.78	Yes	Relatively widespread theoretical visibility across edges of settlement at a minimum distance of approximately 25 km. Theoretical visibility within the core of the settlement is limited. In general, the settlement has a limited relationship with the sea due to the presence of the railway line between the coast and the core of the settlement, which limits views to the east.	No potential for significant effects – scoped out of detailed assessment.
Kilcoole	23.00	Yes	Widespread theoretical visibility of a proportion of the WTGs throughout the settlement at a distance of approximately 22 km. However, actual visibility will be reduced by built form within the settlement and vegetation cover throughout the surrounding landscape, including an extensive network of hedgerows. Although there are some views towards the sea from parts of the settlement, these tend to be to the east, and open views to the south-east towards the Array Area are considered to be unlikely.	No potential for significant effects – scoped out of detailed assessment.
Newtown Mount Kennedy	22.45	Yes	Intermittent pattern of lower-level theoretical visibility across much of the settlement at a distance of approximately 21 km. The association between the	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
			settlement and the coast is limited due to screening by built form and surrounding vegetation, and actual visibility of the Array Area is likely to be very limited.	
Newcastle	19.07	Yes	Widespread theoretical visibility throughout the settlement at a distance of approximately 19 km. The association between the settlement and the coast is limited due to screening by built form and surrounding vegetation, and actual visibility of the Array Area is likely to be very limited.	No potential for significant effects – scoped out of detailed assessment.
Ashford	15.52	Yes	Relatively widespread low-level theoretical visibility throughout the settlement at a distance of approximately 15 km. The association between the settlement and the coast is limited due to screening by built form and surrounding vegetation, and actual visibility of the Array Area is likely to be very limited.	No potential for significant effects – scoped out of detailed assessment.
Rathnew & Wicklow	10.39	Yes	Limited, low-level theoretical visibility across parts of the settlement, at a distance of approximately 10 km. Although the settlement has an association with the coast, this is strongest across parts of the settlement which will experience no actual visibility of the Array Area.	No potential for significant effects – scoped out of detailed assessment.
Kilpoole & Blainroe	6.71	Yes	Widespread theoretical visibility throughout the settlement at a distance of approximately 7 km.	Potential for significant effects that require detailed assessment, undertaken from representative viewpoint 2.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Rathdrum	20.06	Yes	Relatively widespread pattern of high to lower-level visibility across the settlement at a distance of approximately 20 km. However, the actual visibility is likely to be greatly reduced by built form within the settlement and woodland cover alongside the River Avonmore to the east of the settlement.	No potential for significant effects – scoped out of detailed assessment.
Ballynacarrig, Brittas & Cornagower	8.33		Widespread theoretical visibility across the settlement at a distance of approximately 7 km.	Potential for significant effects that require detailed assessment, undertaken from representative viewpoints 3 and 4.
Avoca	17.84	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Aughrim	25.56	Yes	Very limited theoretical visibility across edges of settlement at a distance of approximately 25 km. Actual visibility will be further reduced by vegetation cover in the surrounding landscape.	No potential for significant effects – scoped out of detailed assessment.
Arklow	13.01	Yes	Widespread theoretical visibility throughout the settlement at a distance of approximately 12 km.	Potential for significant effects that require detailed assessment, undertaken from representative viewpoints 10 and 11.
Tullow	51.62	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Tinahely	33.63	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Gorey	20.61	Yes	Relatively widespread, high to lower-level visibility throughout the settlement, particularly across western parts, at a distance of approximately 19 km. The settlement has a relatively limited association with the coast, and actual visibility will be reduced by built form within the settlement.	No potential for significant effects – scoped out of detailed assessment.
Courtown	16.74	Yes	Widespread theoretical visibility throughout the settlement, at a distance of approximately 16 km.	Potential for significant effects that require detailed assessment, undertaken from representative viewpoint 18.
Bunclody	47.50	No	No theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Ferns	35.69	Yes	Limited relatively low-level theoretical visibility across parts of the settlement at a distance of approximately 36 km. Actual visibility will be reduced by built form within the settlement and vegetation throughout the surrounding landscape.	No potential for significant effects – scoped out of detailed assessment.
Enniscorthy	43.74	Yes	Very limited low-level theoretical visibility across parts of the settlement. Actual visibility will be reduced by built form within the settlement and vegetation throughout the surrounding landscape.	No potential for significant effects – scoped out of detailed assessment.
Wexford	49.38		Intermittent high to lower-level theoretical visibility across southern parts of the settlement at a distance of approximately 50 km. Actual visibility will be reduced by built form. At this distance, there is considered to be no potential for significant effects.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Rosslare & Rosslare Harbour	52.57	Yes	Relatively widespread theoretical visibility at a distance of approximately 53 km. Actual visibility will be reduced by built form within the settlement. At this distance, there is considered to be no potential for significant effects.	No potential for significant effects – scoped out of detailed assessment.
M11 / N11	10.53	Yes	Widespread high-level theoretical visibility along sections of the route, including a section of the route stretching from south of Wicklow to north of Gorey at a distance of approximately 11 km. However, actual visibility will be greatly reduced due to roadside vegetation along much of this route. Receptors travelling on this route will be travelling at speed and are considered to be of lower susceptibility to changes in the surrounding view as a result.	No potential for significant effects – scoped out of detailed assessment.
R761	13.59	Yes	Passes north to south from Bray to Rathnew. Lower-level theoretical visibility at a distance of approximately 14 km. Actual visibility will be reduced by vegetation alongside the route and in the surrounding landscape. Receptors travelling on this route will be travelling at speed and are considered to be of lower susceptibility to changes in the surrounding view as a result.	No potential for significant effects – scoped out of detailed assessment.
R764	16.25	Yes	Passes broadly north-west to south-east between Churchmount and Ashford. Limited theoretical visibility along a short section near Ashford. Actual visibility will be reduced by built form and surrounding vegetation.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
R772	8.06	Yes	Passes alongside the M11 / N11 to the north of Ashford. Limited theoretical visibility along the route, which will be reduced by surrounding vegetation. The M11 / N11 is located between the route and the Proposed Development and will reduce susceptibility to further development to the east.	No potential for significant effects – scoped out of detailed assessment.
R750	6.62	Yes	Passes from Rathnew through Wicklow and along the coast to Arklow. Widespread theoretical visibility along much of the route, which will be slightly reduced by vegetation along the route and in the surrounding landscape.	Potential for significant effects that require detailed assessment.
R754	11.92	Yes	Passes broadly south-west to north-east from Avoca to Barndarrig. Intermittent theoretical visibility across parts between approximately 12 – 15 km. Actual visibility will be reduced by vegetation alongside the road.	No potential for significant effects – scoped out of detailed assessment.
R752	13.39	Yes	Passes from Woodenbridge in the south through Avoca and Rathdrum to Rathnew in the north. Very limited theoretical visibility along short sections of the route.	No potential for significant effects – scoped out of detailed assessment.
R747	13.42	Yes	Passes to the south of the Wicklow Mountains, from Arklow in the east to Stonehouse in the west, where it joins the M9. Theoretical visibility at its eastern extent near Arklow. Actual visibility will be reduced by built form within the settlement and forestry cover along the route to the west of Arklow.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
R772	8.06	Yes	Passes broadly north-east to south-west, from Arklow through Gorey to south of Enniscorthy. Relatively widespread theoretical visibility along the section of the route north of Gorey, at a minimum of approximately 14 km. The M11 is located between the route and the Array Area and will reduce susceptibility to changes associated with the Proposed Development. Actual visibility will be reduced due to vegetation cover in the surrounding landscape.	No potential for significant effects – scoped out of detailed assessment.
R742	17.04	Yes	Passes from Gorey through Courtown to Wexford. Relatively widespread theoretical visibility along a section of the route around Courtown. However, built form within Courtown and vegetation along other parts of the route will reduce actual visibility.	No potential for significant effects – scoped out of detailed assessment.
Railway between Dublin and Wexford	11.60	Yes	Notable sections of theoretical visibility between Greystones and Wicklow; around Arklow; and east of Gorey. However, built form within Arklow will reduce actual visibility from this section of the route, while further south the route passes in close proximity to the N11 and M11 and will be subject to existing views of man-made infrastructure, which reduces the susceptibility to change as a result of the Proposed Development. The section of the route between Greystones and Wicklow is likely to experience most open views towards the Array Area.	Potential for significant effects along section of route between Greystones – Wicklow that require detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Dublin – Cherbourg Ferry	11.52	Yes	Passes to the east of the Array Area. Widespread theoretical visibility within relatively close proximity. Passengers will experience sequential visibility of the Array Area as the ferry passes from north to south.	Potential for significant effects that require detailed assessment.
Wicklow Prospect 7. Railway from Greystones to Wicklow town	10.51	Yes	Refer to preliminary assessment for Railway between Dublin and Wexford above.	Potential for significant effects that require detailed assessment, undertaken as part of Railway between Dublin and Wexford route assessment.
Wicklow Prospect 15. From Coyne's Cross on N11 towards Wicklow	17.07	Yes	Refer to N11 / M11 preliminary assessment above.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 29. N11 south of Rathnew	12.67	Yes	Refer to N11 / M11 preliminary assessment above.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 30. R750 to Arklow	11.71	Yes	Refer to R750 preliminary assessment above.	Potential for significant effects that require detailed assessment, undertaken as part of R750 route assessment.
Wicklow Prospect 31. R750 Wicklow to Arklow	6.69	Yes	Refer to R750 preliminary assessment above.	Potential for significant effects that require detailed assessment, undertaken as part of R750 route assessment.
Wicklow Prospect 32. N11 at the Tap and Kilbride	11.12	Yes	Refer to N11 / M11 preliminary assessment above.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Wicklow Prospect 33. N11 south of Scratanagh Cross Roads	10.54	Yes	Refer to N11 / M11 preliminary assessment above.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 34. L6171 and L2172 at Barraniskey, Arklow	13.49	Yes	Lower-level theoretical visibility along parts of the route. Actual visibility will be reduced by vegetation alongside the road.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 35. L2172 and L6167 at Crone Upper, Redcross	13.41	Yes	Theoretical visibility along much of the route, ranging from lower-level to higher-level. Actual visibility will be reduced by vegetation alongside the road.	Potential for significant effects that require detailed assessment, undertaken from representative viewpoint 7.
Wicklow Prospect 36. R754 west of Redcross, Parnell Drive	13.69	Yes	Refer to N754 preliminary assessment above.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 37. L5155 Connary, Parnell Drive	15.91	Yes	Limited theoretical visibility, which will be further reduced by vegetation alongside the road and in the surrounding area.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 38. R752 from the White Bridge to the Meetings	18.65	Yes	Refer to R752 preliminary assessment above.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Wicklow Prospect 39. L2149 to the north of Avondale Forst Park, Parnell Drive	19.59	Yes	Limited theoretical visibility, which will be further reduced by vegetation alongside the road and in the surrounding area.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 40. L5118 Deputy's Pass, Glenealy	15.52	Yes	Very limited theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 53. L5108-63 Castletimon, Brittas	7.53	Yes	Widespread high-level theoretical visibility.	Potential for significant effects that require detailed assessment, undertaken from representative viewpoints 3 and 4.
Wicklow Prospect 57. L2197 at Coolgarrow	18.71	Yes	Very limited theoretical visibility.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 61. R752 from Avoca to Woodenbridge	17.81	Yes	Refer to R752 preliminary assessment above. Very limited theoretical visibility along this stretch of the route.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 62. R747 Vale of Avoca east of Woodenbridge	15.22	Yes	Refer to R747 preliminary assessment above. Limited, intermittent theoretical visibility along this stretch of the route.	No potential for significant effects – scoped out of detailed assessment.
Wicklow Prospect 63. L-2180-48 from Raheen to Sheepwalk	14.78	Yes	Limited, lower-level theoretical visibility, which will be further reduced by built form and vegetation alongside the route.	No potential for significant effects – scoped out of detailed assessment.

Receptor	Minimum Distance to ABWP2 Project Design Option 1 (PDO1) Wind Turbine Generator (WTG) (km)	Theoretical Visibility of ABWP2?	Description of Visibility of ABWP2	Included within Detailed Assessment?
Long-distance waymarked ways: Wicklow Way, South Leinster Way, Dublin Mountains Way	26.47	Yes	Intermittent, short sections of visibility along the route. Higher-level visibility generally restricted to higher ground on the eastern edges of the Wicklow Mountains, at a distance of more than 25 km. At this distance, it is not considered that significant effects have the potential to arise. Similar views will be experienced from viewpoint 26.	No potential for significant effects – scoped out of detailed assessment.
Wexford Coastal Path		Yes	Widespread theoretical visibility along much of the route, at a minimum distance of approximately 11 km.	Potential for significant effects that require detailed assessment.