

Table 1 Viewpoints

VP No	Description	Grid Ref.
1	View from a viewing point on County Waterford Scenic Route No. 2 on the R668 regional road in the townland of Knockacomortish, approximately 19.85 km north of the of the nearest turbine	E 203,975 N 107,781
2	View from the L2003 local road in the townland of Killeenaghmountain, approximately 1.53 km north-east of the of the nearest turbine	E 205,111 N 85,752
3	View from County Waterford Scenic Route No. 4 on an unnamed local road in the townland of Knockanore, approximately 3.73 km east of the of the nearest turbine	E 207,569 N 88,787
4	View from County Waterford Scenic Route No. 6 on the L2024 local road in the townland of Reanaboola, approximately 11.88 km east of the of the nearest turbine	E 216,270 N 87,362
6	View was taken from New Line Road in the Village of Ardmore in the townland of Dysert, approximately 17.36 km south-east of the of the nearest turbine	E 219,241 N 77,384
5	View from County Waterford Scenic Route No. 5 on the N25 national road adjacent to Kiely's Cross Roads in the townland of Boherboy, approximately 16.08 km east of the of the nearest turbine	E220,366 N84,280
7	View from the R634 regional road in the townland of Knockaun South, approximately 0.66 km west of the of the nearest turbine.	E 202,510 N 87,199
8	View from the County Cork Scenic Route S46 on the N25 national road in the townland of Propoge, approximately 8.52 km south-east of the of the nearest turbine	E 208,356 N 78,038
9	View from Cork Scenic Route S47 on L-3819-65 local road in the townland of Ballypherode, approximately 15.07 km south of the of the nearest turbine	E 206,190 N 70,306
10	View from L-7809 local road in the townland of Breeda, approximately 1.12 km south-east of the of the nearest turbine	E 201,411 N 86,904
11	> View from L-7804 local road in the townland of Glenacroghery, 2 km south-west of the of the nearest turbine.	E 198,083 N 86,055
12	View from L-7814 local road on County Cork Scenic Route S44 in the townland of Gurteen, 8.84 km west of the of the nearest turbine.	E 191,180 N 84,687
13	View from L-5856 local road on County Cork Scenic Route S6 in the townland of Currabeha, approximately 13.12km north-west of the of the nearest turbine	E 189,926 N 97,129
14	View from the N72 national road in the townland of Shanacoole, approximately 7.57 km north-west of the of the nearest turbine	E 196,233 N 95,006

VP No	Description	Grid Ref.
15	View from County Waterford Scenic Route No. 3 on an unnamed road in the townland of Labbanacallee, approximately 16.11 km north of the of the nearest turbine	E 192,938 N 102,928

Viewpoint 1 – Knockacomortish			
Viewpoint Description & Details	<ul style="list-style-type: none"> > View from a viewing point on County Waterford Scenic Route No. 2 on the R668 regional road in the townland of Knockacomortish > 19.85 km north of the of the nearest turbine > Grid Reference: E 203,975 N 107,781 > No. of turbines visible: 17/17 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 6 Knockmealdown Mountains - Moderate	Visual Receptor(s) & Sensitivity	Visitors – Very High Motorised Traffic-Low Scenic Route - High
Description of ‘Do Nothing Scenario’	This view from a viewing area on the southern slopes of the Knockmealdown Mountains shows mountain moorland vegetation with substantial rhododendron scrub invasion in the foreground. Beyond this the mountain slopes are covered in coniferous plantation. On the lower slopes is a patchwork of fields separated by hedgerows and tree lines. Across the Blackwater River Valley there are long-distance views to an upland area covered in a mixture of fields and coniferous forestry.		
Description of Proposed View	All the turbines will be visible in two distinct groups with the bases of the turbines screened by vegetation. While the spatial extent within this view of the proposed wind farm is minor due to the great distance, there will be a perceivable change as a new element will be added to the landscape.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	High - includes viewers at designated views or landscapes. Viewers such as residents in medium proximity to the viewpoint; viewers at well-known heritage or popular tourist or recreational areas, viewers along scenic or tourist routes		
Magnitude of Change	Negligible - Any change would only be barely distinguishable from the status quo “do-nothing scenario” in the surroundings. The composition and character of the view would be substantially unaltered, approximating to little or no change.		
Significance of Effect	High x Negligible = Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities		
Mitigation Factors	<ul style="list-style-type: none"> > The location on the ridge, the limited spatial extent and turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. > No nearby residential visual receptors > Intervening distance (c20 km) 		

Viewpoint 1 – Knockacomortish	
	<ul style="list-style-type: none"> > Very limited spatial extent of the proposed development within the view > Expansive landscape able to absorb the proposed development
Residual Effect (incl. mitigating factors)	<p>Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.</p>

Viewpoint 2 Killeenaghmountain			
Viewpoint Description & Details	<ul style="list-style-type: none"> > View from the L2003 local road in the townland of Killeenaghmountain > 1.53 km north-east of the of the nearest turbine > Grid Reference E 205,111 N 85,752 > No. of turbines visible: 11/17 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 1 South-Western Upland Plateau - Moderate	Visual Receptor(s) & Sensitivity	Residents- High Local Traffic- Low
Description of ‘Do Nothing Scenario’	This view is along the local road with grass verges either side. Hedgerows screens views beyond to the right of the road and to the left there are a mixture of boundaries separating a field from the road culminating at a private property. The view in the middle distance is of a hill with pastoral fields separated by hedgerows and trees on its slopes. The higher ground of the hill and to the right of the image is taken up by coniferous plantation. There are numerous man-made elements in the view, including a house, boundary walls, numerous utility poles and road infrastructure.		
Description of Proposed View	Six turbines are entirely and the remainder substantially screened by landform and coniferous forestry. The most visible of the eastern turbines will be visible from mid tower upwards, three only from hub height upwards and just the blades or blade tips of six remaining turbines will appear above the trees. Of the western turbines one will be seen above hub eight and the blades of one turbine will be visible. The spatial extent within this view is moderate and the turbines are perceived as smaller in scale to the existing vertical elements in the view in particular the nearby electricity pylon.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.		
Magnitude of Change	Slight The proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.		

Viewpoint 2 Killeenaghmountain	
Significance of Effect	Medium x Slight= Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland and Flat Peatland character types. ➤ Minor local road with low levels of traffic ➤ Substantial proportion of the proposed development is screened ➤ Moderate spatial extent of the proposed development within the view
Residual Effect (incl. mitigating factors)	Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities

Viewpoint 3 – Knockanore			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from County Waterford Scenic Route No. 4 on an unnamed local road in the townland of Knockanore ➤ 3.73 km east of the of the nearest turbine ➤ Grid Reference: E 207,569 N 88,787 ➤ No. of turbines visible: 11/17 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 1 South-Western Upland Plateau - Moderate	Visual Receptor(s) & Sensitivity	Residents – High Scenic Route - High Local Traffic– Low
Description of ‘Do Nothing Scenario’	The view looks across the boundary wall of a small housing development into a grassed field that is bounded at the far side by hedgerows and occasional trees. Beyond the hedgerow are more pastoral fields and a number of buildings followed by coniferous plantation on the ridgeline. Generally, views are limited to the short to medium distance, however, to the right of the image a long-distance view can be seen between trees.		
Description of Proposed View	The proposed wind farm appears in three fairly regularly spaced clusters. One of the eastern turbines is screened behind a tree. All the other eastern turbines visible from approximately mid tower upwards. Of the western turbines only one blade tip will be seen. The spatial extent of the proposed wind farm within the view is moderate. The turbines are seen between trees and due to the intervening distance, the height of the turbines appears at a lower level to the trees which frame the view.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	High - includes viewers at designated views or landscapes. Viewers such as residents in medium proximity to the viewpoint; viewers at well-known heritage or popular tourist or recreational areas, viewers along scenic or tourist routes		

Viewpoint 3 – Knockanore	
Magnitude of Change	Moderate The change in the view may involve partial obstruction of existing view or partial change in character and composition of the baseline through the introduction of new elements or removal of existing elements. Likely to occur at locations where the development is partially visible over a moderate or medium extent, and which are not in close proximity to the development. Change may be readily noticeable but not substantially different in scale and character from the surroundings and wider setting.
Significance of Effect	High x Moderate = Moderate = Significant (EPA, 2017) An effect that alters the character of the environment in a manner consistent with existing and emerging baseline trends
Mitigation Factors	<ul style="list-style-type: none"> ➤ The location on the ridge, the limited spatial extent and turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Substantial proportion of the proposed development is screened ➤ Moderate spatial extent of the proposed development within the view
Residual Effect (incl. mitigating factors)	Moderate Effects (EPA, 2017) An effect that alters the character of the environment in a manner that is consistent with existing and emerging baseline trends.

Viewpoint 4 – Reanaboola			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from County Waterford Scenic Route No. 6 on the L2024 local road in the townland of Reanaboola ➤ 11.88 km east of the of the nearest turbine ➤ Grid Reference: E 216,270 N 87,362 ➤ No. of turbines visible: 18/18 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 3 Drum Hills - High	Visual Receptor(s) & Sensitivity	Residents- Medium Local Traffic- Low Scenic Route - High
Description of ‘Do Nothing Scenario’	This view shows the local road designated as a scenic route bordered by post and wire fencing, telegraph poles, grassed earth banks and sparse hedgerows on the left side of the image. To the centre and right of the image a large field, bordered by hedgerows and coniferous plantation slopes downward to the River Creagagh Valley. There are medium to long-distance views to an undulating landscape characterised by a patchwork of fields bordered by hedgerows and tree lines. Residential houses can be seen along the local road and dotted amongst the fields, with higher ground generally covered in coniferous forestry.		
Description of Proposed View	All turbines appear as a slightly irregular row on the ridgeline. Parts of the towers of most turbines are screened by landform and vegetation. Due to distance the turbines appear as a small element in the landscape and therefore the spatial extent within the expansive view is limited.		

Viewpoint 4 – Reanaboola	
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.
Sensitivity of Visual Receptor(s)	Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic
Magnitude of Change	Slight - the proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	Medium x Slight= Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Limited spatial extent of the proposed development within the view ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c12 km)
Residual Effect (incl. mitigating factors)	Slight Effects (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities.

Viewpoint 5 – Kiely’s Cross Roads			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from County Waterford Scenic Route No. 5 on the N25 national road adjacent to Kiely’s Cross Roads in the townland of Boherboy ➤ 16.08 km east of the of the nearest turbine ➤ Grid Reference: E 220,366 N 84,280 ➤ No. of turbines visible: 17/17 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 3 Drum Hills - High	Visual Receptor(s) & Sensitivity	Residents-Medium Motorised Traffic-Low Scenic Route - High
Description of ‘Do Nothing Scenario’	In the foreground is a plateau covered by grassed fields separated by a post and wire fence and ending in a line of conifers. To the right of the image is gorse scrub with a local road beyond. Beyond this plateau the view is across the Licky River Valley to higher ground covered by extensive coniferous plantation. The topography is undulating. There are a number of buildings around the plateau and a group of telecom masts on the opposite hill in the distance.		

Viewpoint 5 – Kiely’s Cross Roads	
Description of Proposed View	All the proposed turbines are visible in a row above the ridgeline. The lower part of the turbine towers of approximately half the turbines are screened by landform. The spatial extent of the proposed wind farm in the view is minor, due to distance. Furthermore, the plateau in the foreground to the left of the image and the hill to the right frame the turbines and are more prominent landscape elements than the proposed wind farm.
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.
Sensitivity of Visual Receptor(s)	Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.
Magnitude of Change	Slight - the proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	Medium x Slight= Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities
Mitigation Factors	<ul style="list-style-type: none"> ➤ The location on the ridge, the limited spatial extent and turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Majority of nearby residential visual receptor’s primary views are not directed towards the proposed turbines ➤ Limited spatial extent of the proposed development within the view ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c16 km)
Residual Effect (incl. mitigating factors)	Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.

Viewpoint 6 – Ardmore Village			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View was taken from New Line Road in the Village of Ardmore in the townland of Dysert ➤ 17.36 km south-east of the of the nearest turbine ➤ Grid Reference: E 219,241 N 77,384 ➤ No. of turbines visible: 17/17 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 4 Coastal - High	Visual Receptor(s) & Sensitivity	Residents - High Local Traffic- -Low

Viewpoint 6 – Ardmore Village	
Description of 'Do Nothing Scenario'	This view was taken from a residential road in Ardmore Village. To the left the road is lined by grass verges and property boundaries. There are also numerous utility poles in the foreground. From this elevated location adjacent residential properties as well as the village core of Ardmore can be seen bordering on Ardmore Bay. Outside the village a plain covered in large fields with sparse field boundaries stretches to the mid-distance finishing in slightly elevated farmland. Beyond this there are long-distance views to an elevated plateau covered in fields and patches of coniferous forestry.
Description of Proposed View	All of the proposed turbines can be seen in a relatively regular line on the horizon. Most of the turbines will have minimal vegetative screening, however, the lower parts of the turbine of some of the turbines are screened by intervening landform. The spatial extent of the proposed development within the view is very imited and the elevated plateau to the right of the turbines provides a visual balance making the turbines appear less prominent .
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.
Sensitivity of Visual Receptor(s)	High Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.
Magnitude of Change	Slight - the proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered, but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	High x Slight= Moderate/Minor = Moderate (EPA, 2017) An effect, which by its character, magnitude, duration or intensity alters a sensitive aspect of the environment.
Mitigation Factors	<ul style="list-style-type: none"> ➤ The location on the ridge, the limited spatial extent, regular layout and spacing as well as turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Majority of nearby residential visual receptor's primary views are directed to the sea as opposed to the proposed turbines ➤ Although this viewpoint was selected to assess the visual impact on Ardmore Village, this is one of a very few locations from which the proposed development will be visible ➤ Limited local traffic ➤ Very limited spatial extent of the proposed development within the view ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c17 km)
Residual Effect (incl. mitigating factors)	Not Significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.

Viewpoint 7A Knockaun South			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from the R634 regional road in the townland of Knockaun South ➤ 0.67 km west of the of the nearest turbine ➤ Grid Reference E 202,510 N 87,199 ➤ No. of turbines visible: 6/6 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 1 South-Western Upland Plateau - Moderate	Visual Receptor(s) & Sensitivity	Residents- Medium Local Traffic- Low
Description of 'Do Nothing Scenario'	The R634 runs through the centre of the image with a narrow verge and intermittent road-side shrubs and trees either side. Fields bordered by hedgerows are visible above and between the roadside vegetation. To the right the series of fields finish in dense coniferous plantation above which there are long-distance views to higher ground. The topography is generally flat in this view and other than the road itself there are no man-made elements in the landscape.		
Description of Proposed View	All six of the proposed western turbines can be seen with the bases screened by the coniferous forest as a mainly regularly spaced line from this location, albeit one is nearly completely screened by a roadside hawthorn tree. The met mast will also be visible as a thin dark line reaching nearly hub height to the left of the turbines. The spatial extent of the proposed wind farm within the view is moderate.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	Low Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.		
Magnitude of Change	Moderate The change in the view may involve partial obstruction of existing view or partial change in character and composition of the baseline through the introduction of new elements or removal of existing elements. Likely to occur at locations where the development is partially visible over a moderate or medium extent, and which are not in close proximity to the development. Change may be readily noticeable but not substantially different in scale and character from the surroundings and wider setting.		
Significance of Effect	Low x Moderate = Minor = Slight Effects (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities.		
Mitigation Factors	<ul style="list-style-type: none"> ➤ The location on the ridge, regular layout and spacing as well as turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Residential visual receptors are over 300m away ➤ Motorised traffic are likely to be traveling at speeds close to the speed limit of 80kph along this stretch of road. ➤ A proportion of the proposed development is screened 		

Viewpoint 7A Knockaun South	
	<ul style="list-style-type: none"> ➤ Moderate spatial extent of the proposed development within the view
Residual Effect (incl. mitigating factors)	<p>Slight Effects (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities.</p>

Viewpoint 7B Knockaun South			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from the R634 regional road in the townland of Knockaun South ➤ 0.66 km west of the of the nearest turbine ➤ Grid Reference E 202,510 N 87,199 ➤ No. of turbines visible: 7/11 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 1 South-Western Upland Plateau - Moderate	Visual Receptor(s) & Sensitivity	Residents- Medium Local Traffic- Low
Description of 'Do Nothing Scenario'	To the right of the image is the R634 with intermittent roadside shrubs and trees either side. Fields bordered by hedgerows are just visible above and between the roadside vegetation. The topography is flat in this view and other than the road itself there are no man-made elements in the landscape.		
Description of Proposed View	Seven of the proposed eastern turbines are visible from this location with four screened entirely by landform and vegetation. Of the visible turbines only one has minimal screening, one is visible from mid tower upwards, two above hub height and the blade tips of three further turbines will be seen through roadside vegetation. The spatial extent of the proposed wind farm within the view is moderate. While the wireframe indicates that all the eastern turbines should be visible, this is not the case in reality. Given the close proximity of this viewpoint location to the site, it is a good example of how relatively low-elevation screening, in the form of hedgerows and trees has a significant influence on the visibility of the project.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	Low Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.		
Magnitude of Change	Moderate The change in the view may involve partial obstruction of existing view or partial change in character and composition of the baseline through the introduction of new elements or removal of existing elements. Likely to occur at locations where the development is partially visible over a moderate or medium extent, and which are not in close proximity to the development. Change may be readily noticeable but not substantially different in scale and character from the surroundings and wider setting.		

Viewpoint 7B Knockaun South	
Significance of Effect	Low x Moderate = Minor = Slight Effects (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities.
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland and Flat Peatland character types. ➤ Residential visual receptors are over 300m away ➤ Motorised traffic are likely to be traveling at speeds close to the speed limit of 80kph along this stretch of road. ➤ Substantial proportion of the proposed development is screened ➤ Moderate spatial extent of the proposed development within the view
Residual Effect (incl. mitigating factors)	Slight Effects (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities.

Viewpoint 8 – Propoge			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from the County Cork Scenic Route S46 on the N25 national road in the townland of Propoge ➤ 8.52 km south-east of the of the nearest turbine ➤ Grid Reference: E208,356 N78,038 ➤ No. of turbines visible: 8/17 		
LCT & Sensitivity to Wind Farm Development	10b Fissured Fertile Middleground - Low	Visual Receptor(s) & Sensitivity	Motorised Traffic - Low Scenic Route - High
Description of 'Do Nothing Scenario'	This view looks down the dual carriageway of the N25 national road with road markings and signage lining the roadway. There is a grassed embankment, partially covered with semi-mature trees and shrubs. Pastoral fields separated by hedges and trees are visible to the right of the image and there are medium to long-distance views to land covered in a patchwork of fields, hedgerows, trees and farms sloping down to the Tourig River.		
Description of Proposed View	The majority of the proposed wind farm is screened by landform and roadside vegetation. All the western turbines are screened, while four of the eastern turbines are visible from mid tower upwards, three from approximately hub height and the blade tip of one turbine will be visible. The spatial extent of the proposed wind farm within the view is limited. It is also a good example of how relatively low-level screening, in the form of hedgerows and trees has a significant influence on the visibility of the project.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local		

Viewpoint 8 – Propoge	
	recreational uses or those travelling along routes or at view which are considered moderately scenic
Magnitude of Change	Slight The proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	Medium x Slight = Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities
Mitigation Factors	<ul style="list-style-type: none"> ➤ The ZTV indicates that there is theoretical visibility only on a short stretch of this designated scenic route and the site visit revealed that actual visibility is even more restricted due to screening by local vegetation and topography. ➤ Visibility of the proposed turbines is very limited along this road. This location presents the greatest visibility of the wind farm. ➤ Visual receptors will be motorised traffic travelling at speed, hence they will experience the proposed wind farm as a passing glimpse. ➤ Substantial proportion of the proposed development is screened ➤ Limited spatial extent of the proposed development within the view ➤ Intervening distance (c9 km) ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type.
Residual Effect (incl. mitigating factors)	Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.

Viewpoint 9 – Ballypherode			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from Cork Scenic Route S47 on L-3819-65 local road in the townland of Ballypherode ➤ 15.07 km south of the of the nearest turbine ➤ Grid Reference: E 206,190 N 70,306 ➤ No. of turbines visible: 17/17 		
LCT & Sensitivity to Wind Farm Development	2 Broad Bay Coast – Very High	Visual Receptor(s) & Sensitivity	Residents-Medium Local Traffic-Low Scenic Route - High
Description of ‘Do Nothing Scenario’	The view is across and along the local road lined by hedgerows and earth banks. Either side of the road are pastoral fields bordered by hedgerows and treelines. There are medium to long distance views across Youghal Bay to Youghal and its environs as well as higher ground in the distance. The terrain is undulating. Numerous housing developments are scattered throughout the landscape.		

Viewpoint 9 – Ballypherode	
Description of Proposed View	All the turbines will be visible in two distinct groups. The western turbine group will be screened at the bases of the turbines by vegetation, whereas the majority of the towers of over half the eastern turbines will be screened by landform and vegetation. The spatial extent within this view of the proposed wind farm is very limited due to the great distance.
Cumulative Effects	There will be no perceivable cumulative visual effects from this viewpoint.
Sensitivity of Visual Receptor(s)	Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.
Magnitude of Change	Slight - the proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	Medium x Slight= Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ The focus of the designated scenic view is away from the turbines towards the coast ➤ Primary views from residential properties are focused on the sea ➤ Substantial proportion of the proposed development is screened ➤ Minor local road with low levels of traffic ➤ Very limited spatial extent of the proposed development within the view ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c15 km)
Residual Effect (incl. mitigating factors)	Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.

Viewpoint 10A - Breeda			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from L-7809 local road in the townland of Breeda ➤ 1.12 km south-east of the of the nearest turbine ➤ Grid Reference E 201,411 N 86,904 ➤ No. of turbines visible: 11/11 		
LCT & Sensitivity to Wind Farm Development	10b Fissured Fertile Middleground - Low	Visual Receptor(s) & Sensitivity	Residents- Medium Local Traffic- Low

Viewpoint 10A - Breeda	
Description of 'Do Nothing Scenario'	This view is across a gate and hedge into a rising grassed field bordered by post and wire fencing, hedgerows and tree lines to the centre and left of the image. Views are restricted by landform beyond this field except to the right where a series of fields separated by hedgerows can be seen rising to higher ground. Numerous electricity pylons can be seen within and outside the nearby field.
Description of Proposed View	Though substantially screened by landform and vegetation, all of the eastern turbines will be visible from this viewpoint. Six from around mid-tower upwards, three from hub height and of the remaining two only the blade will be seen. The spatial extent within this view is substantial.
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.
Sensitivity of Visual Receptor(s)	Low - Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.
Magnitude of Change	Substantial - Substantial change, where the proposals would result in large-scale, prominent or very prominent change, leading to substantial obstruction of existing view or complete change in character and composition of the baseline though removal of key elements or addition of uncharacteristic elements which may or may not be visually discordant. This includes viewpoints where the proposed development is fully or almost fully visible over a wide extent, at close proximity to the viewer. This change could be long term or of a long duration.
Significance of Effect	Low x Substantial = Moderate/Minor = Moderate (EPA, 2017) An effect that alters the character of the environment in a manner consistent with existing and emerging baseline trends.
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland and Flat Peatland character types. ➤ This is a minor local road parallel to the R634, hence traffic will be to and from properties along this road and likely to be very low volumes ➤ A proportion of the proposed development is screened ➤ Residential visual receptors are over 200m away ➤ Moderate spatial extent of the proposed development within the view
Residual Effect (incl. mitigating factors)	Moderate (EPA, 2017) An effect that alters the character of the environment in a manner consistent with existing and emerging baseline trends.

Viewpoint 10B - Breeda	
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from L-7809 local road in the townland of Breeda ➤ 1.12 km south-east of the of the nearest turbine

Viewpoint 10B - Breeda			
	<ul style="list-style-type: none"> > Grid Reference E 201,411 N 86,904 > No. of turbines visible: 6/6 		
LCT & Sensitivity to Wind Farm Development	10b Fissured Fertile Middleground - Low	Visual Receptor(s) & Sensitivity	Residents- Medium Local Traffic- Low
Description of 'Do Nothing Scenario'	To the right of the image the local road can be seen with narrow grass verges and intermittent roadside shrubs and trees either side. Fields bordered by hedgerows are visible above and between the roadside vegetation to the left finishing in dense coniferous plantation on higher ground. The topography is gently undulating in this view and other than the road itself there are no man-made elements in the landscape.		
Description of Proposed View	All seven western turbines can be seen in 3 groups of regularly spaced lines. The bases of the turbines are screened by vegetation to varying degrees. The met mast will also be visible as a thin dark line extending above hub height to the left of the turbines. The spatial extent within the view is significant.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	Low Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.		
Magnitude of Change	Substantial - Substantial change, where the proposals would result in large-scale, prominent or very prominent change, leading to substantial obstruction of existing view or complete change in character and composition of the baseline though removal of key elements or addition of uncharacteristic elements which may or may not be visually discordant. This includes viewpoints where the proposed development is fully or almost fully visible over a wide extent, at close proximity to the viewer. This change could be long term or of a long duration.		
Significance of Effect	Low x Substantial = Moderate/Minor = Moderate (EPA, 2017) An effect that alters the character of the environment in a manner consistent with existing and emerging baseline trends.		
Mitigation Factors	<ul style="list-style-type: none"> > The location on the ridge, regular layout and spacing as well as turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. > This is a minor local road parallel to the R634, hence traffic be to and from properties along this road and likely to be very low volumes > A proportion of the proposed development is screened > Residential visual receptors are over 200m away 		
Residual Effect (incl. mitigating factors)	Moderate Effects (EPA, 2017) An effect that alters the character of the environment in a manner that is consistent with existing and emerging baseline trends		

Viewpoint 11 – Glenacroghery			
Viewpoint Description & Details	<ul style="list-style-type: none"> > View from L-7804 local road in the townland of Glenacroghery > 2 km south-west of the of the nearest turbine > Grid Reference:E 198,083 N 86,055 > No. of turbines visible: 15/17 		
LCT & Sensitivity to Wind Farm Development	10b Fissured Fertile Middleground - Low	Visual Receptor(s) & Sensitivity	Residents - High Local Traffic-Low
Description of ‘Do Nothing Scenario’	<p>This view from an elevated location shows a local road designated as a scenic route with hedgerows to the left and intermittent trees and telegraph poles to the right. A field slopes downward in the foreground to coniferous forestry on the right and a deciduous tree line on the left. Beyond this are further fields separated by hedgerows and treelines on an undulating landscape with occasional on-off houses. In the distance there are views of the ridgelines of the Monavullagh Mountains on the right of the image and the eastern parts of the Knockmealdown mountains to the left.</p> <p>The existing Woodhouse and the permitted Knocknamona turbines appear in the far distance behind the proposed eastern turbines, however, due to distance it is unlikely that these cumulative turbines will be sufficiently visible to give rise to cumulative effects.</p>		
Description of Proposed View	<p>15 turbines can be seen in the proposed view in two distinct groups. Most of the western turbines are visible. Of the eastern turbines four are substantially and two fully screened by vegetation. The western turbines can be seen as a fairly regularly space line. The spatial extent of the proposed wind farm within the view is moderate.</p>		
Cumulative Effects	<p>The proposed Lyrenacarriga turbines expand the spatial extent of wind turbines from this location. There is a visual separation between existing and proposed turbines and the difference in scale is Negligible</p> <p>Mitigation Factors include:</p> <ul style="list-style-type: none"> > The existing Woodhouse and the permitted Knocknamona turbines are will be not be discernible from this location > The proposed turbines have a distinct visual identity from the other permitted or proposed turbines in the view. Distance greatly mitigates the potential for cumulative visual effects. 		
Sensitivity of Visual Receptor(s)	<p>Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.</p>		
Magnitude of Change	<p>Moderate The change in the view may involve partial obstruction of existing view or partial change in character and composition of the baseline through the introduction of new elements or removal of existing elements. Likely to occur at locations where the development is partially visible over a moderate or medium extent, and which are not in close proximity to the</p>		

Viewpoint 11 – Glenacroghery	
	development. Change may be readily noticeable but not substantially different in scale and character from the surroundings and wider setting.
Significance of Effect	Medium x Moderate = Moderate/Minor = Moderate (EPA, 2017) An effect that alters the character of the environment in a manner consistent with existing and emerging baseline trends
Mitigation Factors	<ul style="list-style-type: none"> ➤ The regular layout and spacing as well as turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Adjacent residential visual receptor's views of the proposed turbines are more screened ➤ Substantial part of the eastern turbines are screened by coniferous forestry. ➤ Expansive landscape able to absorb the proposed development ➤ Distant views to the Monavullagh and Knockmealdown Mountains are not affected by the proposed turbines
Residual Effect (incl. mitigating factors)	Moderate Effects (EPA, 2017) An effect that alters the character of the environment in a manner that is consistent with existing and emerging baseline trends

Viewpoint 12 – Gurteen			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from County Cork Scenic Route S44 on the L-7814 local road in the townland of Gurteen ➤ 8.84 km west of the of the nearest turbine ➤ Grid Reference: E191,180 N 84,687 ➤ No. of turbines visible: 10/17 		
LCT & Sensitivity to Wind Farm Development	10b Fissured Fertile Middleground - Low	Visual Receptor(s) & Sensitivity	Residents-Low to Medium Local Traffic-Low Scenic Route - High
Description of 'Do Nothing Scenario'	This view shows the local road lined by hedgerows and dense mature trees to the right. To the left of the road, large pastoral fields separated by hedges and treelines can be seen beyond the roadside vegetation. The landscape is gently undulating and there are deciduous and coniferous forested areas in the distance. There are long-distance views to the Knockmealdown and Comeragh Mountains. A house as well as electricity pylons are man-made elements within the landscape. No other turbines are visible from this viewpoint.		
Description of Proposed View	11 turbines can be seen in the proposed view. The eastern turbines can be seen as a fairly regularly space line with the lower towers of four turbines and the bases of two turbines screened by landform and vegetation. The blade tips of four of the western turbines will be seen crossing the horizon. The spatial extent of the proposed wind farm within the view is minor. Furthermore the turbine cluster is juxtaposed by other landscape elements in the view such as local hills and mature vegetation lessening their dominance in the view. The views along this stretch of roadway will be		

Viewpoint 12 – Gurteen	
	intermittent as the viewer passes roadside vegetation seen further along this road.
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.
Sensitivity of Visual Receptor(s)	High Includes viewers at designated views or landscapes. Viewers such as residents in medium proximity to the viewpoint; viewers at well-known heritage or popular tourist or recreational areas, viewers along scenic or tourist routes
Magnitude of Change	Slight The proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	High x Slight= Moderate/Minor = Moderate (EPA, 2017) An effect that alters the character of the environment in a manner consistent with existing and emerging baseline trends
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Very limited number of residential visual receptors ➤ Majority of the residential visual receptor's views are not directed towards the proposed turbines ➤ Intervening distance (c9 km) ➤ Some of the proposed development is partially screened ➤ Although this is a designated view the road is a minor local road that does not have high volumes of traffic ➤ Expansive landscape able to absorb the proposed development ➤ Distant views to the Knockmealdown and Comeragh Mountains are not affected by the proposed turbines
Residual Effect (incl. mitigating factors)	Slight Effects (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities.

Viewpoint 13 – Currabeha			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from L-5856 local road on County Cork Scenic Route S6 in the townland of Currabeha ➤ 13.12km north-west of the of the nearest turbine ➤ Grid Reference: E 189,926 N 97,129 ➤ No. of turbines visible: 17/17 		
LCT & Sensitivity to Wind Farm Development	6c Broad Fertile Lowland Valleys - High	Visual Receptor(s) & Sensitivity	Residents-Medium Local Traffic- Low Scenic Route - High
Description of 'Do Nothing Scenario'	This view shows a local road designated as a scenic route with hedgerows to the left and intermittent trees and telegraph poles to the right. To the right		

Viewpoint 13 – Currabeha	
	of the image a field slopes downward to the River Bride Valley, which is characterised by an extensive patchwork of fields bordered by hedgerows and tree lines. There are long-distance views to distant elevated areas. Residential houses can be seen along the local road and dotted amongst the fields in the valley below.
Description of Proposed View	All the proposed turbines are visible in a row above the ridgeline. Approximately half the turbine towers are screened by landform. The spatial extent of the proposed wind farm in the view is minor, due to distance. Furthermore the turbines will be seen alongside other distinctive landscape elements in the view such as utility infrastructure and mature stands of vegetation.
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.
Sensitivity of Visual Receptor(s)	Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic.
Magnitude of Change	Slight - the proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.
Significance of Effect	Medium x Slight= Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Spatial extent of the proposed wind farm in the view is minor ➤ Proportion of the proposed development is screened ➤ Although this is a designated scenic route the road is a minor local road that does not have high volumes of traffic ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c13km)
Residual Effect (incl. mitigating factors)	Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities

Viewpoint 14 – Shanacoole	
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from the N72 national road in the townland of Shanacoole ➤ 7.57 km north-west of the of the nearest turbine ➤ Grid Reference E 196,233 N 95,006 ➤ No. of turbines visible: 13/17

Viewpoint 14 – Shanacoole			
LCT & Sensitivity to Wind Farm Development	6c Broad Fertile Lowland Valleys - High	Visual Receptor(s) & Sensitivity	Motorised Traffic-Low
Description of 'Do Nothing Scenario'	To the left of the image is the N72 lined by hedgerows and tree lines. To the right a pastoral field slopes downward to the River Bride Valley, which is characterised by a patchwork of fields bordered by hedgerows and tree lines. There are medium-distance views to higher ground on the other side of the valley.		
Description of Proposed View	While a substantial proportion of the turbines will be screened by landform and vegetation, 13 the turbines will be visible in two distinct groups. One of the western turbines will be fully visible, two will have the lower half of the tower screened and the remaining three will have the majority of the tower screened. Of the eastern group three turbines will be visible from around hub height upwards and the blade tips of four further turbines will be visible. The other four turbines will be fully screened by landform and vegetation. The spatial extent within this view of the proposed wind farm is limited due to the great distance.		
Cumulative Effects	Cumulative visual effects do not arise from this viewpoint.		
Sensitivity of Visual Receptor(s)	Low - includes viewers engaged in activities where the focus is not on the landscape or view. These including those travelling along a busy route, viewers at work or engaged in sport not related to views or experience of the landscape.		
Magnitude of Change	Slight - the proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.		
Significance of Effect	Low x Slight = Minor/Negligible = Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.		
Mitigation Factors	<ul style="list-style-type: none"> ➤ The location on the ridge, the limited spatial extent, fairly regular layout and spacing as well as turbine height are in accordance with the siting and design guidelines in the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ No adjacent residential visual receptors and road users may be travelling at speeds close to the speed limit of 100kmph ➤ Significant proportion of the proposed development is screened ➤ Limited spatial extent of the proposed development within the view ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c8km) 		
Residual Effect (incl. mitigating factors)	Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.		

Viewpoint 15 – Labbanacallee			
Viewpoint Description & Details	<ul style="list-style-type: none"> ➤ View from County Waterford Scenic Route No. 3 on an unnamed road in the townland of Labbanacallee, ➤ 16.11 km north of the of the nearest turbine ➤ Grid Reference: E 192,938 N 102,928 ➤ No. of turbines visible: 17/17 		
LCA & Sensitivity to Wind Farm Development	Prov. LCA 6 Knockmealdown Mountains - Moderate	Visual Receptor(s) & Sensitivity	Local Traffic-Low Scenic Route - High
Description of 'Do Nothing Scenario'	<p>In the foreground is a grassed field enclosed by a post and mesh fence and bordered by a local road to the right. There is coniferous forestry on the far side of the field. Beyond this forest there are medium to far-distance views across the River Blackwater Valley characterised showing a patchwork of fields interspersed by treelines and hedgerows. Two of the Barranafaddock wind turbines can be seen to the left of the image and behind these in the far distance the permitted Knocknamona and Woodhouse turbines are not discernible. Other man-made elements in the view are a palisade fence to the right and numerous houses in the valley below.</p>		
Description of Proposed View	<p>All the turbines will be visible in two distinct groups with the bases of the turbines screened by landform and vegetation. Although, the spatial extent of the within this view of the proposed wind farm is minor due to the great distance. Furthermore, due to other distinctive landscape elements in the view the proposed turbines will not be the most prominent features.</p>		
Cumulative Effects	<p>The proposed Lyrenacarriga turbines expand the spatial extent of wind turbines slightly from this location. There is a Complete visual separation between existing and proposed turbines and the difference in scale is Negligible</p> <p>Mitigation Factors include:</p> <ul style="list-style-type: none"> ➤ Only the Barranafaddock in the foreground are effectively visible, the other existing or permitted turbines are not discernible in the baseline photograph. ➤ The proposed turbines have a distinct visual identity from the other permitted or proposed turbines in the view. Distance greatly mitigates the potential for cumulative visual effects. 		
Sensitivity of Visual Receptor(s)	<p>Medium Includes viewers who may have some susceptibility to a change in view, such as those from views which are not designated but may have local recreational uses or those travelling along routes or at view which are considered moderately scenic</p>		
Magnitude of Change	<p>Slight The proposals would be partially visible or visible at sufficient distance to be perceptible and result in a low level of change in the view and its composition and a low degree of contrast. The character of the view may be altered but will remain similar to the baseline existing situation. This change could be short term or of a short duration.</p>		

Viewpoint 15 – Labbanacallee	
Significance of Effect	<p>Medium x Slight = Minor = Slight (EPA, 2017) An effect which causes noticeable changes in the character of the environment without affecting its sensitivities</p>
Mitigation Factors	<ul style="list-style-type: none"> ➤ Siting and design were developed in accordance with the DoEHLG guidelines (2006) for Hilly and Flat Farmland landscape character type. ➤ Although this is a designated scenic route, the traffic will be mainly local. ➤ Very limited spatial extent of the proposed development within the view ➤ Expansive landscape able to absorb the proposed development ➤ Intervening distance (c16 km)
Residual Effect (incl. mitigating factors)	<p>Not significant (EPA, 2017) An effect which causes noticeable changes in the character of the environment but without significant consequences.</p>