



Technical Appendix 5.3 - Preliminary Assessment of Designated Sites and LCTs

Breezy Hill Energy Project - EIA Report

Brockwell Energy Limited

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1. Technical Appendix 5.3 - Preliminary Assessment of Designated Sites and LCTs

1.1 Introduction

- 1.1.1 This technical appendix presents a preliminary assessment of landscape designations and landscape character types (LCTs).
- 1.1.2 Landscape designations within the detailed 20 km LVIA study area, overlaid with the ZTV, are illustrated at Figure 5.8. Landscape Character Types (LCTs) within the detailed 20 km LVIA study area overlaid with the ZTV, are illustrated at Figure 5.10.
- 1.1.3 This preliminary assessment has been undertaken to determine which designations and LCTs would have the potential to experience significant effects and would therefore require detailed consideration in this LVIA. The intention has been to ensure that the level of attention given to each designation or LCT is proportionate to the likelihood of significant effects arising. The assessment below summarises the process followed in deciding which landscape designations and character types have the potential to experience significant effects and hence to scope out those designations and LCTs which do not have the potential to experience significant effects from further consideration.
- 1.1.4 It was determined that there was no potential for the Proposed Development to result in any significant landscape effects upon either LCTs or landscape designations at distances over 20 km from the Site as with increased distance from the Site, the likelihood of significant visual effects occurring incrementally decreases. Therefore, whilst the initial study area for this LVIA extends out to 35 km and the various figures which accompany this report illustrate an initial 35km study area, the assessment has focused on landscape receptors within a detailed 20km LVIA study area.



Table 1 – Preliminary Assessment of Landscape Designations

Designation	Location relative to the Proposed Development	Comments	Detailed Assessment Required
Local Landscape Areas within East Ayrshire			
Doon Valley LLA	Located approximately 1.35 km to the south of the Proposed Development at its closest point.	<p>Despite its proximity, intervening landform restricts theoretical visibility over most of the LLA closest to the Proposed Development, limiting the potential influence upon the designation.</p> <p>Some theoretical visibility of the Proposed Development to the west of the Site, close to the River Doon. However, theoretical visibility of the Proposed Development from higher land to the south-west limited by plantation woodland.</p> <p>Some theoretical visibility of the Proposed Development possible from higher points to the north and west of Loch Doon, limited by areas of plantation woodland.</p> <p>Despite the relatively limited theoretical visibility within the LLA, due to its proximity to the Proposed Development, it is considered that there is potential for indirect significant effects.</p>	Yes
River Ayr Valley LLA	Located approximately 4.6 km to the north-west of the Proposed Development at its closest point.	<p>Theoretical visibility of the Proposed Development along the Water of Coyle to the north-west, along the Lugar Water to the north-east and along valley sides either side of the River Ayr to the north-east.</p> <p>It is considered that there is potential for indirect significant effects.</p>	Yes
Uplands and Moorlands LLA	Located approximately 11 km to the east of the Proposed Development at its closest point.	Large areas of theoretical visibility covering the LLA, particularly those areas closest to the Proposed Development to the east and north-east.	Yes



Designation	Location relative to the Proposed Development	Comments	Detailed Assessment Required
		It is considered that, despite the distance of the LLA from the Proposed Development, there is potential for indirect significant effects.	
Local Landscape Areas within South Ayrshire			
The Ayr Valley LLA	Located approximately 6.5 km to the north-west of the Proposed Development at its closest point.	Some theoretical visibility of the Proposed Development covers valley sides either side of the River Ayr. Although, parts of the LLA have no theoretical visibility, those areas that do are located above woodland adjacent to the watercourses. It is considered that there is potential for indirect significant effects upon the LLA.	Yes
Doon Valley LLA	Located approximately 6 km to the west of the Proposed Development at its closest point.	Some theoretical visibility of the Proposed Development along higher parts of the River Doon valley, limited by Dalrymple Wood and by wooded watercourses running in the River Doon to the west of the watercourse. It is considered that there is no potential for indirect significant effects upon the LLA.	No
Water of Girvan Valley LLA	Located approximately 9.2 km to the south-west of the Proposed Development at its closest point.	Most of the closest parts of the LLA have no theoretical visibility. As land rises, some theoretical visibility of the Proposed Development is possible, limited mostly to blade tips only and relatively few turbine hubs. Further to the south-west of the LLA, woodland cover further limits theoretical visibility. It is considered that there is no potential for indirect significant effects upon the LLA.	No
High Carrick Hills LLA	Located approximately 9.7 km to the south-west of the Proposed Development at its closest point.	Theoretical visibility of the Proposed Development limited by woodland within 12 to 13 km of the Site. Some theoretical visibility beyond	No



Designation	Location relative to the Proposed Development	Comments	Detailed Assessment Required
		15 km from higher points within the Carrick Forest, limited in parts by woodland. It is considered that, due to the distance from the Proposed Development and woodland limiting theoretical visibility in places, there is no potential for indirect significant effects upon the LLA.	
Brown Carrick Hills & Coast LLA	Located approximately 14km to the north-west of the Proposed Development at its closest point.	Most of eastern and central parts of the LLA are covered by theoretical visibility of the Proposed Development. However, with most of the LLA being over 15 km from the Proposed Development, it is considered that there is no potential for indirect significant effects upon the LLA.	No
The Stinchar Valley LLA	Located approximately 17.25 km to the south-west of the Proposed Development at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for indirect significant effects upon the LLA.	No
Culzean LLA	Located approximately 18.75 km to the east of the Proposed Development at its closet point.	Although theoretical visibility of the Proposed Development covers those areas closest to the Site, these areas are partly covered in woodland. At this distance, it is considered that there is no potential for indirect significant effects upon the LLA.	No
Regional Scenic Areas within Dumfries and Galloway			
Galloway Hills RSA	Located approximately 10.5 km to the south-east of the Proposed Development at its closest point.	Limited theoretical visibility of the Proposed Development within the RSA. Some theoretical visibility to the east of Loch Doon, limited by woodland. It is considered that there is no potential for indirect significant effects upon the RSA.	No



Designation	Location relative to the Proposed Development	Comments	Detailed Assessment Required
Gardens and Designed Landscapes			
Craigengillan GDL	Located approximately 4.5 km to the south of the Proposed Development at its closest point.	<p>Although theoretical visibility of the Proposed Development covers most of the GDL, influence of the turbines would be mostly limited to blade tips only due to intervening landform. The house itself to the south-east of the GDL would have no theoretical visibility from it.</p> <p>Despite the proximity of the Proposed Development, it is considered that there is no potential for indirect significant effects upon the GDL.</p>	No
Dumfries House GDL	Located approximately 7.3 km to the north-east of the Proposed Development at its closest point.	<p>Most central and southern parts of the GDL have no theoretical visibility of the Proposed Development, including the house and gardens to the west.</p> <p>However, theoretical visibility of the Proposed Development is possible both to the west and north of the GDL, limited in areas by the dense network of woodland, including along the A70 which dissects the designation.</p> <p>Despite the relatively limited theoretical visibility in parts of the GDL, due to its proximity to the Proposed Development, it is considered that there is potential for indirect significant effects.</p>	Yes
Skeldon House GDL	Located approximately 8.6 km to the west of the Proposed Development at its closet point.	<p>Although there is some theoretical visibility of the Proposed Development within central and eastern areas of the GDL, this would be limited by the areas of woodland and areas of mature trees and vegetation close to the River Doon. It is considered that there is no potential for indirect significant effects upon the GDL.</p>	No



Designation	Location relative to the Proposed Development	Comments	Detailed Assessment Required
Blairquhan GDL	Located approximately 10.5 km to the south-west of the Proposed Development at its closet point.	Very limited theoretical visibility of the Proposed Development within the GDL. No potential for indirect significant effects upon the GDL.	No
Auchincruive GDL	Located approximately 11 km to the north-west of the Proposed Development at its closet point.	Despite areas of theoretical visibility of the Proposed Development to south-eastern and north-western areas of the GDL, this would be limited by mature woodland aligning the River Ayr. It is considered that there is no potential for indirect significant effects upon the GDL.	No
Rozelle (La Rochelle) GDL	Located approximately 14 km to the north-west of the Proposed Development at its closest point.	Despite areas of theoretical visibility of the Proposed Development, the GDL is surrounded by mature woodland and surrounded by residential development on three sides. It is considered that there is no potential for indirect significant effects upon the GDL.	No
Kilkerran GDL	Located approximately 16.5 km to the south-west of the Proposed Development at its closet point.	Despite areas of theoretical visibility of the Proposed Development, this would be limited by mature woodland in between watercourses crossing the GDL, as well as being over 16 km from the Site. It is considered that there is no potential for indirect significant effects upon the GDL.	No
Carnell GDL	Located approximately 17 km to the north of the Proposed Development at its closet point.	No theoretical visibility of the Proposed Development within the GDL. No potential for indirect significant effects upon the GDL.	No
Culzean Castle GDL	Located approximately 20 km to the west of the Proposed Development at its closet point.	No theoretical visibility of the Proposed Development within the GDL. No potential for indirect significant effects upon the GDL.	No



Table 2 – Preliminary Assessment of LCTs within the 20 km Detailed LVIA Study Area

Landscape Character Type	Location relative to the Proposed Development	Comments	Detailed Assessment Required
East Ayrshire Landscape Wind Energy Capacity Study (2024) – within 10 km			
17a Foothills with Forest & Opencast Mining	Proposed Development is located within this LCT	Potential for significant effects.	Yes
7c East Ayrshire Lowlands (northern nearest part)	Located approximately 0.6 km to the north at its closest point.	Potential for significant effects.	Yes
10 Uplands River Valley (south-western part)	Located approximately 2.6 km to the south-west at its closest point.	Limited theoretical visibility, however, due to the proximity of the Proposed Development, there is potential for significant effects.	Yes
9 Lowland River Valley (western part)	Located approximately 4.2 km to the west at its closest point.	Although no theoretical visibility covers those areas closest to the Proposed Development, extensive theoretical visibility occurs beyond 6 km. Potential for significant effects.	Yes
20c Southern Uplands & Forestry	Located approximately 4.3 km to the south-east at its closest point.	No theoretical visibility within 5 km of the Proposed Development. Some extensive areas of theoretical visibility within higher areas of the LCT, however, the extent of woodland cover limits the influence upon the LCT. No potential for significant effects.	No
17b Foothills with Forest west of Doon Valley	Located approximately 4.75 km to the south-west at its closest point.	Some theoretical visibility of the Proposed Development, however, areas of woodland cover limits the influence upon parts of the LCT. Due to proximity to Site, potential for significant effects.	Yes
15 Upland Basin	Located approximately 4.9 km to the east at its closest point.	Intermittent theoretical visibility over elevated parts of the LCT. Due to proximity to Site, potential for significant effects	Yes
9 Lowland River Valley (north-eastern part)	Located approximately 5.4 km to the north-east at its closest point.	Some theoretical visibility of the Proposed Development, however, due to the proximity of the Proposed Development, there is potential for significant effects.	Yes



Landscape Character Type	Location relative to the Proposed Development	Comments	Detailed Assessment Required
20a East Ayrshire Southern Uplands (south-eastern nearest part)	Located approximately 6.3 km to the south-east at its closest point.	Intermittent theoretical visibility over parts of the LCT. Potential for significant effects.	Yes
21 Rugged Uplands, Lochs & Forest	Located approximately 7 km to the south at its closest point.	Intermittent theoretical visibility from higher points, limited by areas of plantation woodland. Potential for some effects but they would not be considered significant.	No
7c East Ayrshire Lowlands (north-eastern part)	Located approximately 8 km to the north-east at its closest point.	Extensive theoretical visibility of the Proposed Development over the LCT. Potential for significant effects.	Yes
East Ayrshire Landscape Wind Energy Capacity Study (2024) – beyond 10 km			
7c East Ayrshire Lowlands (northern furthest part)	Located approximately 11.6 km to the north-east at its closest point.	Some theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
18a East Ayrshire Plateau Moorlands (eastern part)	Located approximately 11.5 km to the north-east at its closest point.	Intermittent theoretical visibility from higher points, limited by areas of plantation woodland. Potential for some effects but they would not be considered significant.	No
14 Uplands Glen	Located approximately 11.5 km to the south-east at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for significant effects.	No
10 Upland River Valley (north-eastern nearest part)	Located approximately 12 km to the north-east at its closest point.	Some theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
20a East Ayrshire Southern Uplands (eastern part)	Located approximately 12.9 km to the east at its closest point.	Some theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
10 Upland River Valley (eastern part)	Located approximately 13.1 km to the east at its closest point.	Extensive theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No



Landscape Character Type	Location relative to the Proposed Development	Comments	Detailed Assessment Required
20a East Ayrshire Southern Uplands (south-eastern furthest part)	Located approximately 14.5 km to the south-east at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for significant effects.	No
10 Upland River Valley (north-eastern furthest part)	Located approximately 15.8 km to the north-east at its closest point.	Intermittent theoretical visibility from higher points at over 15km from the Proposed Development. No potential for significant effects.	No
18a East Ayrshire Plateau Moorlands (north-eastern part)	Located approximately 15.9 km to the north-east at its closest point.	Extensive theoretical visibility at over 15km of the Proposed Development. Potential for some effects but they would not be considered significant.	No
9 Lowland River Valley (northern part)	Located approximately 16.7 km to the north at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for significant effects.	No
South Ayrshire Landscape Wind Energy Capacity Study (2013) – within 10 km			
7d South Ayrshire Lowlands (north-western nearest part)	Located approximately 2.5 km to the north-west at its closest point.	Some theoretical visibility of the Proposed Development within the LCT. Potential for significant effects.	Yes
9 Lowland River Valley (north-western nearest part)	Located approximately 5.5 km to the north-west at its closest point.	Some theoretical visibility of the Proposed Development within the LCT. Intermittent theoretical visibility beyond 10km. Potential for significant effects.	Yes
9 Lowland River Valley (western part)	Located approximately 6 km to the north-west at its closest point.	Some theoretical visibility of the Proposed Development within the LCT. Intermittent theoretical visibility beyond 10km. Potential for significant effects.	Yes
17d Maybole Foothills	Located approximately 6.3 km to the west at its closest point.	Some theoretical visibility of the Proposed Development within the LCT. Extensive theoretical visibility beyond 15km. Potential for significant effects.	Yes
17b Foothills with Forest west of Doon Valley	Located approximately 6.3 km to the south-west at its closest point.	Intermittent theoretical visibility from higher points, limited by areas of plantation woodland. Potential	No



Landscape Character Type	Location relative to the Proposed Development	Comments	Detailed Assessment Required
		for some effects but they would not be considered significant.	
12 Middle Dale	Located approximately 8.5 km to the south-west at its closest point.	Very limited theoretical visibility of the Proposed Development up to 12km from the Site. Some theoretical visibility of the Proposed Development beyond 12km. Potential for some effects but they would not be considered significant.	No
13 Intimate Pastoral Valley (nearest)	Located approximately 9.6 km to the south-west at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for significant effects.	No
South Ayrshire Landscape Wind Energy Capacity Study (2013) – beyond 10 km			
21 Rugged Uplands, Lochs & Forests	Located approximately 10.5 km to the south-west at its closest point.	Intermittent theoretical visibility from higher points, limited by areas of plantation woodland. Potential for some effects but they would not be considered significant.	No
16 Lowland Hills	Located approximately 10.5 km to the north-west at its closest point.	Some theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
7d South Ayrshire Lowlands (northern part)	Located approximately 11.2 km to the north at its closest point.	Some theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
7d South Ayrshire Lowlands (north-eastern part)	Located approximately 12 km to the north-west at its closest point.	Some theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
17c Foothills with Forest & Wind Farm	Located approximately 12 km to the south-west at its closest point.	Intermittent theoretical visibility from higher points, limited by areas of plantation woodland. Potential for some effects but they would not be considered significant.	No



Landscape Character Type	Location relative to the Proposed Development	Comments	Detailed Assessment Required
Urban	Located approximately 13.2 km to the north-west at its closest point.	Extensive theoretical visibility, however, influenced by intervening built form. Potential for some effects but they would not be considered significant.	No
4b Brown Carrick Hills	Located approximately 13.5 km to the west at its closest point.	Extensive theoretical visibility of the Proposed Development over the LCT. Potential for some effects but they would not be considered significant.	No
1c Raised Beach Coast with Flat Fields & Headlands	Located approximately 16.4 km to the north-west at its closest point.	Limited theoretical visibility at over 15km from the Proposed Development. No potential for significant effects.	No
2b Coastal Edge	Located approximately 17.2 km to the north-west at its closest point.	Extensive theoretical visibility at over 15km of the Proposed Development. Potential for some effects but they would not be considered significant.	No
5 Coastal Valley with Policies	Located approximately 17.5 km to the west at its closest point.	Very limited theoretical visibility at over 15km from the Proposed Development. No potential for significant effects.	No
13 Intimate Pastoral Valley (nearest)	Located approximately 18.5 km to the south-west at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for significant effects.	No
Dumfries and Galloway Wind Farm Landscape Capacity Study (2017)			
19a Southern Uplands with Forest – Carsphairn	Located approximately 9.3 km to the south-east at its closest point.	Very limited theoretical visibility of the Proposed Development, mostly over areas of woodland. No potential for significant effects.	No
9 Upper Dale (Valley) – Upper Glenkens	Located approximately 11.75 km to the south-east at its closest point.	No theoretical visibility of the Proposed Development. No potential for significant effects.	No
21 Rugged Granite Upland – Rhinns of Kells	Located approximately 13 km to the south-east at its closest point.	Some theoretical visibility of the Proposed Development, mostly over areas of woodland and at a distance of over 15 km. Potential for some effects but they would not be considered significant.	No



Landscape Character Type	Location relative to the Proposed Development	Comments	Detailed Assessment Required
19 Southern Uplands – Carsphairn	Located approximately 15.5 km to the south-east at its closest point.	Limited theoretical visibility at over 15km from the Proposed Development. No potential for significant effects.	No
21a Rugged Granite Upland with Forest – Merrick	Located approximately 15.6 km to the south at its closest point.	Some theoretical visibility of the Proposed Development, mostly over areas of woodland and at a distance of over 15 km. No potential for significant effects.	No
19a Southern Uplands with Forest – Ken	Located approximately 17.7 km to the east at its closest point.	Very limited theoretical visibility of the Proposed Development. No potential for significant effects.	No
9 Upper Dale (Valley) – Upper Nithsdale	Located approximately 18 km to the east at its closest point.	Some theoretical visibility of the Proposed Development to the north of the River Nith valley at a distance of over 18 km. No potential for significant effects.	No
19 Southern Uplands – North West Lowthers	Located approximately 18.5 km to the east at its closest point.	No theoretical visibility of the Proposed Development within 20 km. No potential for significant effects.	No
18a Foothills with Forest – Rhinns of Kells	Located approximately 19.5 km to the south-east at its closest point.	No theoretical visibility of the Proposed Development within 20 km. No potential for significant effects.	No

