

Appendix 8.4:

Preliminary Assessment of Visual Receptors

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Appendix 8.4 Preliminary Assessment of Visual Receptors

1.1. Introduction2

1.2. Preliminary Assessment of Visual Receptors3

1. Preliminary Assessment of Visual Receptors

1.1. Introduction

- 1.1.1. This Appendix provides a preliminary assessment of visual receptors within the detailed 20 km Landscape and Visual Impact Assessment (LVIA) Study Area.
- 1.1.2. An initial filtering exercise has been undertaken to identify which visual receptors identified in the baseline (**Section 8.6 of Chapter 8: Landscape and Visual Impact Assessment**) have the potential to be significantly affected by the Proposed Varied Development.
- 1.1.3. The intention has been to ensure that the level of assessment given to each visual receptor is proportionate to the likelihood of significant effects arising. The tables below list the principal visual receptors identified in the baseline study and summarises the initial assessment carried out to determine which visual receptors have the potential to experience significant effects and require detailed assessment.
- 1.1.4. A column is included within each table to identify which receptors were previously assessed in relation to the Consented Development.
- 1.1.5. The principal visual receptors within 10 km are illustrated on **Figure 8.19** overlaid with the blade tip Zone of Theoretical Visibility (ZTV).

1.2. Preliminary Assessment of Visual Receptors

Table 8.4.1 - Preliminary Assessment of Residential Properties and Settlements

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Residential properties within 2 km				
Marbrack	1.9 km to the west	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Marbrack Cottage	1.9 km to the west	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Furniston	1.3 km to the south-west	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Nether Loskie	1.8 km to the south-west	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Marscalloch Cottage	1.7 km to the south-west	Theoretical visibility of 4 - 6 blade tips. Potential for significant effects.	Yes	Yes
1 Muirdrochwood	1.1 km to the south	Theoretical visibility of 4 - 6 blade tips. Potential for significant effects.	Yes	Yes
2 Muirdrochwood	1.1 km to the south	Theoretical visibility of 4 - 6 blade tips.	Yes	Yes

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
		Potential for significant effects.		
Smittons	1.2 km to the south-east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Stroanpatrick	2.0 km to the south-east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Craigengillan	1.0 km to the east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Craigengillan Cottage	0.9 km to the east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Moorbrock	1.0 km to the north-east	Theoretical visibility of 7 - 9 blade tips. Potential for significant effects.	Yes	Yes
Game Keepers Cottage	1.0 km to the north-east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	No
Strahanna and River Ken Cottage	1.8 km to the north-east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Bridgemark	1.9 km to the south south-east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	No
Knowehead Cottage and Kendoon Cabin	1.8 km to the south south-west	Theoretical visibility of 4 - 6 blade tips. Significant effects unlikely due to screening by intervening trees.	No	No
Kensglen	2.0 km to the west south-west	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	No
Properties between 2 km and 5 km				
Properties to NE (accessed from Lorg Road)	2.8 km to the north-east	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Properties to SE (The Old School House, located on B729 near Blackmark Hill)	2.0 km to the south-east	Variable levels of theoretical visibility of the Proposed Varied Development, up to all 11 blade tips. Potential for significant effects	Yes	Yes
Properties to S (accessed from the B7000)	2.3 km to the south	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Properties to W (accessed from the B729 near Water of Deugh)	2.2 km to the south-west	Theoretical visibility of up to all 11 blade tips. Potential for significant effects.	Yes	Yes
Primary Settlements between 5 km and 20 km				
Bellsbank	16.3 km to the north-west	No theoretical visibility.	No	No
Carsphairn	5.2 km to the west	Variable levels of theoretical visibility of the Proposed Varied Development, particularly from south of settlement. Potential for significant effects.	Yes	Yes
Dalmellington	16.7 km to the north-west	No theoretical visibility.	No	No
Kirkconnell	18.9 km to the north-east	No theoretical visibility.	No	No
Monaive	14.6 km to the east	No theoretical visibility.	No	No
New Cumnock	16.4 km to the north	No theoretical visibility.	No	No
New Galloway	14.3 km to the south	Negligible levels of theoretical visibility from majority of settlement. Significant effects considered unlikely.	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
St John's Town of Dalry (Dalry)	10.7 km to the south	Variable levels of theoretical visibility of the Proposed Varied Development, particularly from west of settlement. Potential for significant effects.	Yes	Yes

Table 8.4.2 - Preliminary Assessment of Recreational and Long Distance Walking and Cycling Routes within 20 km

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Southern Upland Way / Core Path 504	1.8 km to the east	Extensive theoretical visibility of up to all 11 turbines within 5 km of the Proposed Varied Development. Potential for significant effects.	Yes	Yes
National Cycle Network Route 7	17.3 km to the south-west	No theoretical visibility.	No	No
The National Byway	4.5 km to the south-east	Theoretical visibility of up to all 11 turbines within 5 km of the Proposed Varied Development. Potential for significant effects.	Yes	Yes

Table 8.4.3 - Preliminary Assessment of Core Path within 20 km

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Core Paths within 5 km				
Core Path 23 - Dundegh Hill	2.2 km south south-west	Variable theoretical visibility within proximity of the Proposed Varied Development. Potential for significant effects.	Yes	Yes
Core Path 164 - Bardennoch Trail	4.7 km south-west	Theoretical visibility of up to all 11 turbines within proximity of the Proposed Varied Development. Potential for significant effects.	Yes	Yes
Core Path 182 - Cairnsmore of Carsphairn by Craig of Knockgray	3.6 km west	Theoretical visibility of up to all 11 turbines within proximity of the Proposed Varied Development. Potential for significant effects.	Yes	Yes*
Core Path 188 - Corlae	4.5 km east north-east	Theoretical visibility of up to all 11 turbines within proximity of the Proposed Varied Development. Potential for significant effects.	Yes	No
Core Path 199 - Kendoon Youth Hostel to Butterhole Bridge	3.6 km south south-east	Theoretical visibility of up to all 11 turbines within proximity of the	Yes	Yes

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
		Proposed Varied Development. Potential for significant effects.		
Core Path 216 - Manquhill Hill	3.1 km east	Negligible theoretical visibility.	No	No
Core Path 487 - Cairnsmore of Carsphairn by the Green Well	4.1 km west north-west	Negligible theoretical visibility.	No	No
Core Paths between 5 to 10 km				
C10 - Coalfield Cycle Route	7.0 km north	No theoretical visibility.	No	No
Core Path 15 - Forrest Lodge to Loch Dungeon	8.9 km south-west	Variable theoretical visibility of up to all 11 turbines within coniferous plantation. Significant effects unlikely.	No	No
Core Path 16 - Garryhorn Rig	6.7 km west	Variable theoretical visibility of up to all 11 turbines with open views within relative proximity of site. Potential for significant effects.	Yes	No
Core Path 24 - Earlstoun Bridge	8.4 km south	Theoretical visibility of up to 3 turbines towards western end of route, with 4-6 blade tips near B7000. Significant effects unlikely.	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Core Path 51 - Benbuie to Troston Hill	6.3 km east north-east	No theoretical visibility.	No	No
Core Path 52 - Cairnhead to Blackmark Hill	5.7 km east	Theoretical visibility of up to all 11 turbines limited to short section within forested area Significant effects unlikely.	No	No
Core Path 154 - Forrest Lodge	7.3 km south-west	Intermittent and variable theoretical visibility of up to all 11 turbines within forested area. Significant effects unlikely.	No	No
Core Path 190 - Corserine	9.9 km south-west	Theoretical visibility of up to all 11 turbines from open hillslope. Potential for significant effects.	Yes	No
Core Path 215 - Lorg Trail	5.0 km north-east	Variable theoretical visibility largely limited to forested areas. Open section of route passes through consented Lorg wind farm site. Significant effects unlikely.	No	No
Core Path 217 - Margree	7.6 km south-east	Variable and intermittent theoretical visibility within forested	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
		area. Significant effects unlikely.		
Core Path 443 - Bank Hill to Graystone Hill	8.9 km north-east	No theoretical visibility.	No	No
Core Path 487 - Cairnsmore of Carsphairn by the Green Well	4.1 km west	No theoretical visibility.	No	No
Core Path 594 - Carsphairn Forest and Knockengoroch	5.9 km west north-west	No theoretical visibility.	No	No
Core Path 667 - Water of Deugh	8.3 km north-west	No theoretical visibility.	No	No
Core Paths between 10 to 15 km				
Core Path 21 - Dalry to New Galloway	11.0 km south	Variable theoretical visibility of up to all 11 turbines including open area near river. Significant effects unlikely at this distance.	No	No
Core Path 30 - Glenlee	10.9 km south	Variable theoretical visibility of up to all 11 turbines including from open area near river. Significant effects unlikely at this distance.	No	No
Core Path 84 - Kirkconnel to Mynwhirn Hill	12.4 km north-east	No theoretical visibility.	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Core Path 169 - Corriedoo to Barscobe	11.2 km south south-east	No theoretical visibility.	No	No
Core Path 189 - Corriedoo Forest and Loch Howie	10.9 km south-east	Variable theoretical visibility within forested area. Significant effects unlikely.	No	No
Core Path 191 - Craigshinnie Bridge to SUW	13.9 km south south-west	No theoretical visibility.	No	No
Core Path 197 - Holy Linn, Dalry	11.4 km south south-east	No theoretical visibility.	No	No
Core Path 209 - Loch Dee to Loch Doon	13.3 km west	No theoretical visibility.	No	No
Core Path 211 - Loch Skae and Loch Howie	11.0 km south-east	Variable theoretical visibility of all 11 turbines including within forested area. Significant effects unlikely at this distance.	No	No
Core Path 224 - Mulloch Hill, Dalry	11.0 km south	Variable theoretical visibility of up to all 11 turbines from open hilltop and hillslope. Significant effects unlikely at this distance.	No	No
Core Path 516 - New Galloway West	12.8 km south	Intermittent theoretical visibility of up to all 11 turbines from open landscape.	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
		Significant effects unlikely at this distance.		
D11	13.7 km west	No theoretical visibility.	No	No
D17 - Scottish Coal Cycle Route from Loch Doon	11.5 km west north-west	Negligible theoretical visibility.	No	No
DV11 - Loch Doon Forest Road	12.7 km west	Theoretical visibility of up to 6 turbines limited to isolated section around 15 km from Proposed Varied Development. Significant effects unlikely.	No	No
Core Paths between 15 to 20 km				
Theoretical visibility of the Proposed Varied Development only occurs at the following:				
Core Path 31 - Cassenvey to Shaw Fell	15.9 km south south-east	Theoretical visibility of all 11 turbines in forested area. Significant effects unlikely.	No	No
Core Path 43 - Bogrie to Jarbruck via Dalmacallan Forest	17.9 km east south-east	Negligible theoretical visibility.	No	No
Core Path 53 - Monaive to Tynron	15.0 km east	Negligible theoretical visibility.	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Core Path 142 - Raiders Road to Kenmuir Link	16.3 km south	Theoretical visibility of all 11 turbines in forested area. Significant effects unlikely.	No	No
Core Path 143 – Raiders Road to Mossdale	18.1 km south	No theoretical visibility.	No	No
Core Path 172 - Benniguinea	16.4 km south south-west	Theoretical visibility of all 11 turbines including at open hilltop (fire lookout). Significant effects unlikely at this distance.	No	No
Core Path 177 - Cairn Edward Hill	16.6 km south	Theoretical visibility of all 11 turbines in forested area. Significant effects unlikely.	No	No
Core Path 221 – Mochrum Fell	17.4 km south-east	Negligible theoretical visibility.	No	No
D12: Dalmellington to Bogton Plantation	16.0 km west north-west	No theoretical visibility.	No	No
D13: Auchenroy Hill and Dalcairnie Falls	17.8 km west north-west	Theoretical visibility of up to 6 turbines from Auchenroy Hill. Significant effects unlikely at this distance.	No	No
D14: Dalmellington to	14.4 km west north-west	No theoretical visibility.	No	No

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
Loch Doon, via Ness Glen				
D15	16.0 km north-west	No theoretical visibility.	No	No
D16: Craigengengillan to Knockdon	16.5 km west north-west	Negligible theoretical visibility of up to 4 turbines within wooded area. Significant effects unlikely.	No	No
D18: Carmlarg	17.0 km north-west	No theoretical visibility.	No	No

Table 8.4.4 - Preliminary Assessment of Other Rights of Way within 5 km

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
DS15	0.3 km (on northern site boundary)	Theoretical visibility of up to all 11 turbines within relative proximity. Potential for significant effects.	Yes	Yes
DS16	0.7 km (on north-eastern site boundary)	Theoretical visibility of up to all 11 turbines within relative proximity. Potential for significant effects.	Yes	Yes

DS17	1.8 km to the east	Theoretical visibility of up to all 11 turbines within relative proximity. Potential for significant effects.	Yes	No
DS19	1.3 km south-west	Variable theoretical visibility within forested area. Significant effects unlikely.	No	No
DS21	0.3 km (on south-western site boundary)	Theoretical visibility of up to all 11 turbines within relative proximity. Potential for significant effects.	Yes	Yes

Table 8.4.4 - Preliminary Assessment of Roads and Railways within 20 km

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
A Roads				
A76	17.1 km north	No theoretical visibility.	No	No
A702	10.7 km south-east	Negligible theoretical visibility.	No	No
A712	13.5 km south	Variable theoretical visibility near junctions with A713 and B7075. Potential for isolated	Yes	Yes

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
		significant effects.		
A713	3.6 km west	Extensive ZTV coverage in relative proximity of Proposed Varied Development. Potential for significant effects.	Yes	Yes
A762	10.2 km south	Theoretical visibility of up to all 11 turbines within relative proximity. Potential for significant effects.	Yes	Yes
B Roads				
B729	1.1 km south-east (adjacent to south-eastern site boundary)	Theoretical visibility of up to all 11 turbines within proximity. Potential for significant effects.	Yes	Yes
B741	15.3 km north north-west	No theoretical visibility.	No	No
B7000	1.9 km south	Theoretical visibility of up to all 11 turbines within proximity. Potential for significant effects.	Yes	Yes

Receptor	Location Relative to the Proposed Varied Development	Comments	Detailed Assessment Required	Previously Assessed
B7075	11.3 km south	Variable theoretical visibility near junction with A712. Potential for isolated significant effects.	Yes	No
Minor Roads				
Lorg Road	0.6 km (adjacent to eastern site boundary)	Theoretical visibility of up to all 11 turbines within proximity. Potential for significant effects.	Yes	Yes
Railways				
Cumnock to Sanquhar railway line	18.0 km north	No theoretical visibility.	No	No

*Assessed with DS15