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EUCHANHEAD RENEWABLE ENERGY DEVELOPMENT

AEI Technical Appendix 7.7:
Night-time Viewpoint Analysis

AEI Report 2025

A. AEI Technical Appendix 7.7: Night-time Viewpoint Analysis

A.1 Introduction

A.1.1 A viewpoint analysis with regard to the night-time effects has been carried out from all viewpoint locations to inform the assessment of the likely night-time effects.

A.1.2 All wirelines in the visualisations within **Volume 4: Visualisations** have included the potential visibility of lighting at each viewpoint. Visualisations, including cumulative, at dawn/dusk have been prepared for **Viewpoints 7, 9, and 11.**

A.1.3 As noted in the night-time assessment in **Section 7.9**, the receptors at night are different from those in the day and for those which are the same, the sensitivity may be different at night.

A.1.4 A description of cumulative sites with lighting is noted within **Section 7.9.**

A.2 Night-time Viewpoint Analysis

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
1	Colt Hill (Striding Arches sculpture) 0.3 km	Landscape: Ken unit Southern Uplands with Forest LCT: NS 178/D&G 22 (19a) Visual: None, users appreciating this sculpture or on long distance routes unlikely at night and there would be no amenity value to the view.	All 12 nacelle lights would be visible from this close range, elevated viewpoint from the northwest to the east.	Scenario 2: One or two of the Windy Standard 2 are visible in the distance to the west. Some of the nacelle lights of the consented Lethans will be visible in the distance to the north, c.16.9 km away. Most of the lights on Sanquhar II will be visible across much of the view from the northwest extending to the east, behind the Eucharhead lights. Many of the Windy Standard 3 lights will be visible 11.6 km away to the west. Many of the lights from the consented Cornharrow, Manquhill, Glenshimmeroch and Margree will be visible between 3.7 km and 11.2 km to the south. Scenario 3: Lighting on Appin turbines would be visible at 500 m to the southwest leading away from the viewpoint. Lights on Lorg (2022) redesign would be visible at 1.2 km to the northwest. Windy Standard 1 Repowering lights would be visible

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
				to the west on the skyline, with Cloud Hill and Rowarcraig lights seen behind Sanquhar II to the north.
2	Lorg Glen 2.0 km	Landscape: Ken unit Narrow Wooded River Valley - Dumfries and Galloway LCT: NS 160/D&G 4 (4) / Ken unit Southern Uplands with Forest LCT: NS 178/D&G 22 (19a) Visual: None, users of Core Paths unlikely at night and there would be no amenity value to the view.	Two nacelle lights would be visible.	Scenario 2: Only a couple of the lights on the proposed Sanquhar II turbines will be visible, depending on the state of the forestry. Scenario 3: Up to two lights on the proposed Lorg (2022) redesign would be visible at 1.2 km east. Above the ridgeline.
3	Benbrack, Southern Upland Way (Striding Arches sculpture) 2.5 km	Landscape: Ken unit Southern Uplands with Forest LCT: NS 178/D&G 22 (19a) Visual: None, users of long distance routes unlikely at night and there would be no amenity value to the view.	12 nacelle lights a would be visible from this elevated viewpoint.	Scenario 2: One or two of the Windy Standard 2 lights might be visible in the distance to the west. Some of the nacelle lights of the consented. Many of the lights of the proposed Sanquhar II will be visible across much of the view from the northwest extending to the northeast Three of the Windy Standard 3 lights would be visible 7.9 km away to the west. Many of the lights from Cornharrow, Glenshimmeroch and Margree will be visible to the south with Cornharrow appearing at close range. Scenario 3: Up to five lights on Lorg (2022) redesign would be visible at visible at 1.8 km north. All lights on Appin turbines would be visible to the east, Cloud Hill and Rowancraig lights would appear to the rear of the Sanquhar II group to the northeast. Windy Standard 1 Repowering lights would appear on the skyline to the northwest and Quantans Hill lights visible on low ground to the south west.

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
4	Blackcraig Hill (East Ayrshire) 2.8 km	Landscape: Upland Glen – Ayrshire (SNH 73/ EAC 14) Visual: None, upland hillwalkers unlikely at night and there would be no amenity value to the view	All 12 nacelle lights would be visible from this elevated viewpoint.	Scenario 2: None of the Windy Standard 2 lights are visible due to screening by the summit. However, on the summit all 4 are likely to be visible to the southwest. Many of the lights of the consented Lethans will be visible in the distance to the northeast, over 10 km away. Most lights of Sanquhar II will be visible across much of the view from the southwest extending to the northeast. Some of the Windy Standard 3 lights will be visible 7.2 km away to the southwest. Distant lights will be visible on Cornharrow, Manquhill, Glenshimmeroch and Margree Glenshimmeroch to the south between 10.2 km and 20 km. Scenario 3: Windy Standard 1 Repowering lights would be visible at 5.0 km southwest. Lights on Lorg (2022) redesign would be visible at 6.1 km south. Cloud Hill and Rowancraig lights would appear at 8.1 km east behind Sanquhar II. Lights on the Appin turbines would be visible again in the rear to the main Sanquhar II group to the southeast.
5	Afton Reservoir 3.0 km	Landscape: Upland Glen – Ayrshire (SNH 73/ EAC 14) Visual: None, hillwalkers unlikely at night and there would be no amenity value to the view	One light would be visible on T9 from this position at the head of the glen.	A few lights on the proposed Sanquhar II turbines will be visible to the east above containing landform of the glen.
6	Southern Upland Way crossing Cloud Hill 5.4 km	Landscape: Southern Uplands – Dumfries and Galloway LCT: 177/ D&GC 21 (19) Visual: None, users of long distance routes unlikely at night and there	9 nacelle lights would be visible from this elevated position.	Scenario 2: Most of the lights on the proposed Sanquhar II turbines will be visible, from the south to the west. Scenario 3: Lights on Cloud Hill turbines would be visible within 300 m to the north. All lights on Appin turbines

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
		would be no amenity value to the view		would be visible to the south beyond Sanquhar II.
7	Minor road in upper Shinnel Water, near Auchenbrack 6.0 km	Landscape: Shinnel unit Upland Glens - Dumfries and Galloway LCT: NS 166/ D&G 10 Visual: Residents and minor road users in the glen	Two nacelle lights may be visible though would likely be screened by forestry and woodland.	Scenario 2: Given the extent of screening by tree cover from this viewpoint, only one light of the proposed Sanquhar II turbine lights will be visible, but there could be up to 2 nacelle lights when forestry is felled. Scenario 3: 3 of the lights on Appin turbines would be visible to the west along the horizon.
8	Kirkconnel 7.5 km	Landscape: Upper Nithsdale unit Upper Dale – Dumfries and Galloway LCT: NS 165/ D&G 9 Visual: Residents at Kirkconnell / Kelloholm	One nacelle light would be visible to the southwest.	Scenario 2: Some, but not all, of the Lethans lights will be visible to the northwest. A few lights on Sanquhar II turbines will be visible to the southwest. Scenario 3: Lights on Rowancraig and Cloud Hill would appear to the south in front of Sanquhar II.
9	Cairnsmore of Carsphairn 8.1 km	Landscape: Southern Uplands - Dumfries and Galloway LCT: NS 177 / D&GC 21 (19) Visual: None, upland hillwalkers unlikely at night and there would be no amenity value to the view	All 12 nacelle lights would be visible from this elevated viewpoint.	Scenario 2: All Windy Standard 2 lights are visible at night from the northern side of the summit. Most lights of the proposed Sanquhar II would be visible to the northeast extending to the east. Most of the lights on Cornharrow and Manquhill will be visible in low ground to the southeast. Some of the lights of the consented Lethans will be visible in the distance to the northeast, over 19.6 km away but there is notable screening by intervening landform. From the position of the night-time photography, just to the north of the flat summit, all of the Windy Standard 3 lights will be visible 2.8 km away to the north. Scenario 3: Lights on the Windy Standard 1 Repowering scheme would be visible behind Windy Standard 2 to the north. All 5 lights on Lorg (2022) redesign would be visible to the east. All 4 lights on Appin would extend south from Sanquhar II, with

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
				some of the Cloud Hill and Rowancraig would be visible low in the landscape behind the centre of Sanquhar II.
10	Sanquhar High School 10.1 km	Landscape: Upper Nithsdale unit Upper Dale – Dumfries and Galloway LCT: NS 165/ D&G 9 Visual: Residents at Sanquhar and road users on A76	Only 3 nacelle lights would be visible from this location.	Scenario 2: Some, but not all, of the Lethans nacelle lights will be visible to the northwest. A few lights on Sanquhar II turbines will be visible to the southwest. Scenario 3: Lights on Rowancraig would appear in front of Sanquhar II, with some of the lights on Cloud Hill visible to the southeast beside foreground screening vegetation.
11	Fingland road near Todholes Hill 10.5 km	Landscape: LCT: NS 177/ D&GC 21 (19) Visual: Minor road users	All 12 nacelle lights would be visible from this elevated position.	Scenario 2: There appears to be an aviation light on the temporary met mast for Sandy Knowe windfarm, which appears in the baseline night-time photography. Most of the lights on Sanquhar II turbines will be visible. At least one light on the Lethans turbines will be visible to the northwest. Scenario 3: All lights on proposed Rowancraig, and Cloud Hill turbines would be visible in front of the southern end of the Sanquhar II group, with lights on Appin and Lorg (2022) redesign turbines behind..
12	Auchengibbert Hill 10.7 km	Landscape: Tynron unit Foothills - Dumfries and Galloway LCT: 175/D&G 19 (18) Visual: None, upland hillwalkers unlikely at night and there would be no amenity value to the view	10 nacelle lights would be visible to the west.	Scenario 2: Some of the Sanquhar II turbines lights would be visible to the north west. Up to 2 lights on Cornharrow and Manquhill will be visible to the west. All of the lights from the Glenshimmeroch and Margree and Fell turbines will be visible to the southwest at over 11 km. Scenario 3: All lights on the Appin turbines would appear to the south of Sanquhar II lights, with Lorg (2022) redesign lights and some of the lights on Windy Standard 1 Repowering seen behind. Some of the lights on proposed Cloud Hill

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
				and Rowanraic turbines would be visible to the north.
13	Culmark Hill, Southern Upland Way 10.8 km	Landscape: Stroan unit Foothills with Forest LCT: NS 176 / DGW 20 (18a) Visual: None, users of long distance routes unlikely at night and there would be no amenity value to the view	7 nacelle lights would be visible to the north.	Scenario 2: One or two of the Windy Standard 2 lights are visible at night from this position. All lights on Manquhill and some of the Cornharow lights will be visible the north. All lights on Glenshimmeroch and Margree will be visible as close as 1.9 km southeast Some of the lights on the Sanquhar II turbines will be visible to the northeast. Windy Standard 3 lights will be visible to the northwest in front of Windy Standard 2. Scenario 3: Some of the light on the proposed Lorg (2022) redesign and Appin turbines would be visible behind Cornharow to the northeast. Most of the lights on the Quantans Hill turbines would be visible to the northwest and Windy Standard 1 Repowering lights would appear in the distance to the north.
14	Southern Upland way, above Sanquhar 10.9 km	Landscape: Upper Nithsdale unit Upper Dale LCT: NS 165/ DWG 9 Visual: None, users of long distance routes unlikely at night and there would be no amenity value to the view	6 nacelle lights would be visible on the skyline to the southwest.	Scenario 2: Some, but not all, of the Lethans nacelle lights will be visible to the northwest. Some of the lights on the Sanquhar II turbines will be visible to the southwest Scenario 3: All lights on Cloud Hill and Rowanraic would appear in front of Sanquhar II.
15	A76, near Mennoch 11.5 km	Landscape: Upper Nithsdale unit Upper Dale LCT: NS 165/ DWG 9 Visual: Road users on A76	2 nacelle lights would be visible to the west.	Scenario 2: Some of the Lethans nacelle lights will be visible to the northwest. Some of the lights on the Sanquhar II turbines will be visible to the southwest. Scenario 3: Some of the Cloud Hill lights and all of the Rowanraic lights will be visible to the west in front of Sanquhar II.

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
16	East Mount Lowther Hill, near Southern Upland Way 19.6 km	Landscape: Lowthers unit Southern Uplands LCT: NS 177/D&G 21 (19) Visual: None, users of long distance routes unlikely at night and there would be no amenity value to the view	All 12 nacelle lights would be visible to the west.	Scenario 2: One or two of the Windy Standard 2 lights may be visible at night, though barely perceptible at over 26 km away. Some of the lights of the consented Lethans will be visible in the distance to the northeast at 7.1 km. Most lights of the Sanquhar II will be visible to the northeast extending to the east. Windy Standard 3 lights will be barely perceptible at 29.8 km north. Many of the lights from Glenshimmeroch, Margree, Cornharrow and Manquhill will appear at the southern end of Sanquhar II. Scenario 3: Lights on Cloud Hill and Rowancraig would be visible to the southwest in front of Sanquhar II, with lights on Appin, Lorg (2022) redesign, Quantans Hill and Windy Standard 1 Repowering seen to mix in with the rear of the main group at Sanquhar II.
17	Corserine, Rhinn of Kells 21.9 km	Landscape: Rhinns of Kells unit Rugged Uplands LCT: 80/D&G 24 (21) Visual: Upland Hillwalkers on the edge of the Dark Sky Park Boundary	All 12 nacelle lights would be visible to the	Scenario 2: Some of the Windy Standard 2 lights are visible at over 17 km to the northeast. Just behind these some of the lights of the consented Lethans will be barely perceptible in the distance at over 30 km. Most of the lights on Windy Standard 3 will be visible in front of Windy Standard 2. Most lights of Sanquhar II will be with notable screening by Cairnsmore of Carsphairn. All of the lights on Glenshimmeroch, Margree, will be visible to the east, with All of the Cornharrow and Manquhill lights seen to the northeast in front of Sanquhar II. Scenario 3: All lights on Quantans Hill would be visible at over 10 km northeast and would be the closest aviation lighting to the viewpoint. Lights on Lorg (2022) redesign, Appin, Cloud Hill and Rowancraig would join the

Vp No.	Viewpoint and Distance	Night-time receptor	Night-time changes	Cumulative Night-time
				main Sanquhar II group in northeast. Lights on Windy Standard 3 lights would appear to the northeast, partially screened by Cairnsmore of Carspharin.
18	Queensberry 27.9 km	Landscape: Lowthers unit Southern Uplands LCT: NS 177 /D&G 20 (19) Visual: None, upland hillwalkers on the summits unlikely at night and there would be no amenity value to the view	All 12 nacelle lights would be visible in the distance to the northwest.	Scenario 2: Possibly one or two of the Windy Standard 2 lights are visible but barely perceptible at over 40 km to the west. A few of the lights on the proposed Windy Standard 3 would be visible in front of Windy Standard 2. All of the lights on Sanquhar II will be visible to the west at 24.2 km. Lights on Fell, Glenshimmeroch, Margree and some of Cornharrow will be visible to the southwest, with lights on Lethans appearing to the north west. Scenario 3: Lights on Daer and Rivox would appear to the north at 3.3 km, with Dalswinton and Harestanes South lights appearing to the south at over 6 km. Lights on Quantans Hill, Appin, Lorg (2022) redesign, Windy Standard 1 Repowering, Cloud Hill and Rowancraig would appear to join the main group of lights centred around Sanquhar II to the west.