

EARRAGHAIL RENEWABLE ENERGY DEVELOPMENT

Appendix 7.7 Night-Time Viewpoint Analysis

Prepared for
ScottishPower Renewables

Appendix 7.7: Night-time Viewpoint Analysis

1.1 Introduction

- 1.1.1 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.
- 1.1.2 As noted in the night-time assessment in **Chapter 7**, 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.
- 1.1.3 A description of cumulative sites with lighting is noted within **Section 7.9** of **Chapter 7**.

1.2 Night-time Viewpoint Analysis

VP	Location	Night-time receptor	Night-time changes	Cumulative Night-time
1	Kintyre Way between Tarbert and Skipness 0.5 km (within site boundary)	Visual: None, no hillwalkers on the Kintyre Way at night.	All the nacelle lights would be visible. Theoretically most of all the tower lights would be visible, however forestry would screen many leaving 6 visible from this position.	Aviation lights on up to 4 of the proposed Narachan turbines may be visible theoretically in the distance when looking south, however they would be subject to potential screening by intervening forestry.
2	B8001 Kintyre Way at Skipness Village 2.7 km south	Visual: Residents in the village.	No lights on the proposed Development would be visible from this location.	No night-time cumulative effects would occur from this location.
3	B8001 southwest of Site 3.3 km southwest	Visual: Residents in Gartavaich group.	No lights on the proposed Development would be visible from this location	No night-time cumulative effects would occur from this location.
4	B842, Claonaig Bay 5.0 km south	Visual: some dispersed residents but road users not sensitive at night.	Nacelle lights on T12 and T14 would be theoretically visible from this location and may be screened by vegetation.	No night-time cumulative effects would occur from this location.

VP	Location	Night-time receptor	Night-time changes	Cumulative Night-time
5	Portavadie 6.9 km north	Visual: Residents/visitors at the resort. (Ferries do not operate at night).	Up to 9 nacelle lights and 3 tower lights would be theoretically visible from this location with foreground vegetation screening to 6 of the nacelle lights and all of the tower lights.	No night-time cumulative effects would occur from this location.
6	Kintyre Way at Cruach nam Fiadh 7.6 km southwest	Visual: None, no hillwalkers on the Kintyre Way at night.	All 13 nacelle lights and 12 tower lights would be theoretically visible from this location with forestry screening up to 3 of the tower lights.	No night-time cumulative effects would occur from this location.
7	Ostel Bay/ Kilbride Bay Ardlamont 7.8 km northeast	Visual: Evening recreational users on the beach and dispersed residents.	11 nacelle light and 6 tower lights would be theoretically visible above the horizon with hilltop forestry providing screening for to nacelle light.	No night-time cumulative effects would occur from this location.
8	Cock of Arran 9.2 km south	Visual: None, no walkers on the Arran Coastal Way at night.	12 nacelle lights and 9 tower lights would be theoretically visible from this area with forestry providing screening for up to 3 tower lights.	No night-time cumulative effects would occur from this location.
9	Lochranza, Arran 9.8 km south	Visual: Residents and tourists within the village.	12 nacelle lights and 10 tower lights would be theoretically visible from this area with forestry providing screening for up to 2 tower lights.	Aviation lights on 6 of the proposed Narachan turbines would be visible in the distance when looking west.
10	A83 at Meall Mhor 11.4 km north	Visual: dispersed residents (road users not sensitive at night).	3 nacelle lights and a single tower light would be theoretically visible from this roadside location with forestry screening the nacelle light on T6.	No night-time cumulative effects would occur from this location.
11	B842, Crossaig 12.3 km southwest	Visual: None, road users not sensitive at night.	All 13 nacelle lights and 11 tower lights would be theoretically visible from this location with forestry screening up to 5 tower lights and the nacelle light on T4.	No night-time cumulative effects would occur from this location.
12	A83 south of Clachan 14.0 km southwest	Visual: None, no walkers on Kintyre Way at night and road users not sensitive at night.	Nacelle lights on T8 and T13 would be theoretically visible with the light on T8 screened by forestry.	No night-time cumulative effects would occur from this location.

VP	Location	Night-time receptor	Night-time changes	Cumulative Night-time
13	Ettrick Bay, Bute 14.2 km east	Visual: Evening recreational users of the beach.	All 13 nacelle lights and 10 tower lights are theoretically visible from this beach with potential screening to the nacelle light on T1 and tower light on T14.	Aviation lights up to 8 of the proposed Narachan turbines would be visible as a distant cluster on the horizon when looking southwest.
14	Tarmore Hill, Bute 14.4 km east	Visual: None, no hillwalkers at night.	All 13 nacelle lights and 12 tower lights are theoretically visible from this hilltop viewpoint with potential screening to the tower light on T14.	Aviation lights up to 9 of the proposed Narachan turbines would be visible in the distance when looking west. Lighting would also be visible on up to 10 turbines of the Rowan scoping scheme in the distance to the northwest though some screening may be provided by forestry and would be back clothed by landform.
15	Cnoc Mhic Dhugaill, Achrossan Forest Cowal 14.5 km northeast	Visual: None, no hillwalkers at night.	All 13 nacelle lights and 11 tower lights are theoretically visible from this beach with potential screening to the tower lights on T1 and T14.	Aviation lights up to 15 turbines of the Rowan scoping scheme, forming a tight cluster in the west and will be entirely back clothed by landform. Lighting on up to 5 of the proposed Narachan turbines would be visible as a distant object behind the proposed Development.
16	Cowal Way, north of Tighnabruaich at Rubha Ban 14.8 km northeast	Visual: residents and tourists in village.	7 nacelle lights and 4 tower lights would be theoretically visible from this location though forestry may provide screening to the nacelle light on T1.	No night-time cumulative effects would occur from this location.
17	B8024, high point south of Kilberry 15.2 km west	Visual: None, road users not sensitive at night.	A single nacelle light on T13 would be visible from this location.	Aviation lights up to 10 of the proposed Narachan turbines would be visible on the horizon when looking south.
18	Mullach Buidhe near Beinn Bhreac 17.7 km south	Visual: None, no hillwalkers at night.	All nacelle and tower lights would be theoretically visible on all 13 turbines with potential screening to the tower light on T3.	Aviation lights all of the proposed Narachan turbines would be visible to the west and would appear as an evenly spaced array back clothed by landform and water. Lightning would also be visible on all turbines of the Rowan scoping scheme in the distance when looking north, appearing as a tight cluster to the left of the proposed Development.

VP	Location	Night-time receptor	Night-time changes	Cumulative Night-time
19	Goatfell, Arran 21.1 km south	Visual: There are occasional evening/night-time walks to this summit.	All nacelle and tower lights would be theoretically visible on all 13 turbines with potential screening to the tower light on T4.	Aviation lights up to 8 the proposed Narachan turbines would be visible to the back clothed by landform and water. Lightning would also be theoretically visible on all turbines of the Rowan scoping scheme in the distance when looking north though some may be screened by forestry. The array would appear as a tight cluster to the left of the proposed Development.
20	Northern point of Gigha 22.5 km southwest	Visual: No noted visual receptors at night.	5 Nacelle lights would be visible from this location.	Aviation lights up to 6 of the proposed Narachan turbines would be visible on the horizon when looking southeast.
21	Carradale Harbour 23.1 km south	Visual: Residents and tourist in the village.	12 nacelle lights and 10 tower lights would be theoretically visible from this location with potential screening to the tower light on T3.	No night-time cumulative effects would occur from this location.
22	Lochgilphead 25.0 km north	Visual: Residents and tourists on the waterfront.	7 nacelle lights and 2 tower lights would be theoretically visible from this location..	No night-time cumulative effects would occur from this location.