



# Killean Wind Farm

## Technical Appendix 5.4

### Preliminary Assessment of Visual Receptors

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**Author** Pegasus Group

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# 1 Preliminary Assessment of Visual Receptors

## 1.1 Introduction

- 1.1.1 An initial filtering exercise has been undertaken to identify which visual receptors identified in the baseline (**Section 5.5 of Chapter 5: Landscape and Visual Impact Assessment**) have the potential to be significantly affected by the Proposed Development.
- 1.1.2 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.
- 1.1.3 The principal visual receptors are illustrated on **Figure 5.17** and overlaid with the blade tip ZTV at **Figure 5.18** within the detailed 20 km LVIA study area.

**Table 5.4.1: Preliminary Assessment of Residential Properties and Settlements**

| Settlement                         | Location Relative to the Proposed Development | Comments   | Detailed Assessment Required |
|------------------------------------|---|--|------------------------------|
| Residential properties within 2 km |   |  |                              |
| Tavantagart                        | Approximately 2 km to the north west          | Theoretical visibility of up to 3 blade tips. Significant effects are considered unlikely. | No                           |
| Garden Cottage                     | Approximately 1.9 km to the west north west   | No theoretical visibility.   | No                           |
| Colt House                         | Approximately 1.9 km to the west north west   | No theoretical visibility.   | No                           |
| 1 Largie                           | Approximately 1.9 km to the west north west   | No theoretical visibility.   | No                           |
| 2 Largie                           | Approximately 1.9 km to the west north west   | No theoretical visibility.   | No                           |

| Settlement                 | Location Relative to the Proposed Development                          | Comments   | Detailed Assessment Required |
|----------------------------|--|--|------------------------------|
| Kennels                    | Approximately 1.8 km to the west north west                            | No theoretical visibility.   | No                           |
| 4 Largie                   | Approximately 1.8 km to the west north west                            | No theoretical visibility.   | No                           |
| The Steading               | Approximately 1.8 km to the west north west                            | No theoretical visibility.   | No                           |
| Dairy Cottage              | Approximately 1.8 km to the west north west                            | No theoretical visibility.   | No                           |
| Culfuair                   | Approximately 1.9 km to the west                                       | Theoretical visibility of up to 3 blade tips. Significant effects are considered unlikely.   | No                           |
| Kilmory                    | Adjacent to site boundary, approximately 2.0 km to the west south west | Theoretical visibility of up to all 9 blade tips. Potential for significant effects.   | Yes                          |
| Braids                     | Within site boundary, approximately 0.7 km from nearest turbine        | In ruinous state and currently uninhabitable, therefore not considered further.  | No                           |
| Settlements within 5 km    |  |  |                              |
| Killean                    | Approximately 2.6 km to the west south west                            | Patchy ZTV coverage with variable levels of theoretical visibility of proposed development in some close-range views. Potential for significant effects.                   | Yes                          |
| Tayinloan                  | Approximately 2.6 km to the west                                       | Variable levels of theoretical visibility of proposed development especially from western parts of settlement including ferry terminal. Potential for significant effects. | Yes                          |
| Settlements within 5-10 km |  |  |                              |
| Ardminish (Gigha)          | Approximately 7.6 km to the west                                       | Theoretical visibility of up to all 9 blade tips and hubs. Potential for significant effects.  | Yes                          |
| Bridgend/Waterfoot         | Approximately 8.5 km to the south east                                 | No theoretical visibility.   | No                           |

| Settlement                     | Location Relative to the Proposed Development | Comments   | Detailed Assessment Required |
|--------------------------------|---|--|------------------------------|
| Carradale                      | Approximately 9.8 km to the south east        | No theoretical visibility.   | No                           |
| Glenbarr                       | Approximately 8.6 km to the south west        | Very limited theoretical from the northern edge of the settlement with views limited to blade tips only. No potential for significant effects. | No                           |
| Grogport                       | Approximately 7.6 km to the east              | No theoretical visibility.   | No                           |
| Muasdale                       | Approximately 5.1 km to the south west        | No theoretical visibility.   | No                           |
| Settlements within 10 to 20 km |   |  |                              |
| Bellochantuy                   | Approximately 12.3 km to the south south west | No theoretical visibility.   | No                           |
| Clachan                        | Approximately 11.5 km to the north            | No theoretical visibility.   | No                           |
| Peninver                       | Approximately 19 km to the south              | No theoretical visibility.   | No                           |
| Pirnmill (Arran)               | Approximately 14.0 km to the east             | Theoretical visibility of up to all 9 blade tips and hubs. Potential for significant effects.  | Yes                          |
| Saddell                        | Approximately 12.9 km to the south east       | No theoretical visibility.   | No                           |

Table 5.4.2: Preliminary Assessment of Scotland's Great Trails

| Core Path         | Location Relative to the Proposed Development | Comments  | Detailed Assessment Required |
|-------------------|---|---|------------------------------|
| Kintyre Way       | Passes west to east through the site          | Theoretical visibility of up to 9 blade tips and hubs at close proximity as the route passes through the site and continues to Rhunahaorine Point and north along the edge of the west Kintyre Coast. | Yes                          |
| Arran Coastal Way | Approximately 13.3 km to the east             | Extensive theoretical visibility as the route passes around the western shoreline of the Isle of Arran.   | Yes                          |

Table 5.4.3: Preliminary Assessment of Core Paths

| Core Path  | Location Relative to the Proposed Development | Comments  | Detailed Assessment Required |
|--|---|---|------------------------------|
| Core Paths within 5 km   |   |   |                              |
| Core Path C094 - Tayinloan-Carradale East-West link            | Passes within site boundary                   | Theoretical visibility of up to 9 blade tips and hubs at close proximity. Potential for significant effects.  | Yes                          |
| Core Path C293 - Clachaig Water circular, Muasdale             | Approximately 4.6 km to the south west        | Theoretical visibility of blade tips and up to 3. Hubs in relative proximity. Potential for significant effects.  | Yes                          |
| Core Paths within 5 to 10 km                                   |   |   |                              |
| Core Path C088 - Campbeltown to Cloanaig                       | Approximately 7.1 km to the east              | No theoretical visibility.  | No                           |
| Core Path C093 - Carradale Forest circular                     | Approximately 7.1 km to the south east        | Very limited theoretical visibility from a short section of this route, restricted by intervening landform and trees. No potential for significant effects. | No                           |
| Core Path C095 - Gigha Ferry pier - Ardmore Gds - South Pier   | Approximately 7.7 km to the north west        | Theoretical visibility of up all 9 blade tips and hubs from the path. Potential for significant effects.  | Yes                          |
| Core Path C096 - Gigha Jetty - Creag Bhan - Port Mor           | Approximately 7.7 km to the west              | Theoretical visibility of up all 9 blade tips and hubs from the majority of the path. Potential for significant effects.                                    | Yes                          |
| Core Path C534 - St Catherines Church and Poll More Bay, Gigha | Approximately 7.7 km to the north west        | Theoretical visibility of up all 9 blade tips and hubs from the south eastern half of the path. Potential for significant effects.                          | Yes                          |
| Core Path C304 - Glenbarr School route                         | Approximately 7.9 km to the south west        | Limited theoretical visibility of up to 9 blade tips and 3 hubs. Potential for significant effects  | Yes                          |
| Core Path C539 - Creag Bhan view point, Gigha                  | Approximately 8.3 km to the west              | Theoretical visibility of up all 9 blade tips and hubs from the sections of the path. Potential for significant effects.                                    | Yes                          |

| Core Path  | Location Relative to the Proposed Development | Comments   | Detailed Assessment Required |
|--|---|--|------------------------------|
| Core Path C403 - Port na Cuile - Seneval Wood, Carradale | Approximately 9.2 km to the east              | No theoretical visibility.   | No                           |
| Core Path C097 - Carradale Bay circular                  | Approximately 9.6 km to the east              | No theoretical visibility.   | No                           |
| Core Path C404 - Port na Cuile, Carradale                | Approximately 9.6 km to the east              | No theoretical visibility.   | No                           |
| Core Path C533 - Kintyre Way at Ronachan House, Clachan  | Approximately 9.6 km to the north             | No theoretical visibility.   | No                           |
| Core Path C440 - Cycle Path, Carradale                   | Approximately 9.7 km to the east              | No theoretical visibility.   | No                           |
| Core Path C405 - Port Righ, Carradale                    | Approximately 10.3 km to the east             | No theoretical visibility.   | No                           |
| <b>Core Paths within 10 to 20 km</b>                     |   |  |                              |
| AR81 - Coirein Lochan                                    | Approximately 15 km to the east               | Theoretical visibility of up to all 9 turbines and hubs. Potential for some effects but would not be considered significant due to the distance.                           | No                           |
| AR208 - King's Cave circular route                       | Approximately 19.7 km to the west             | Theoretical visibility of up to all 9 turbines and hubs from sections of the path. Potential for some effects but would not be considered significant due to the distance. | No                           |
| C086 - Machrihanish to West Port                         | Approximately 18.5 km to the south south west | No theoretical visibility.   | No                           |
| Core Path C102 - Dunskeig circular, Clachan              | Approximately 11.2 km to the north            | No theoretical visibility.   | No                           |
| Core Path C104 - Kennacraig to Skipness                  | Approximately 18.1 km to the north            | Potential for limited effects due to a limited number of turbine blades and hubs visible. Effects would not be considered significant due to the distance from the route.  | No                           |

| Core Path   | Location Relative to the Proposed Development | Comments  | Detailed Assessment Required |
|---|---|---|------------------------------|
| Core Path C105 - Back road to Skipness                  | Approximately 18.2 km to the north            | Potential for limited effects due to a limited number of turbine blades and hubs visible. Effects would not be considered significant due to the distance from the route.                       | No                           |
| Core Path C295 - Inverneil to Tarbert via Kilberry NCNi | Approximately 15.8 km to the north            | Distant open views south towards the Proposed Development. Potential for some limited effects but due to the distance they would not be considered significant.                                 | No                           |
| Core Path C303 - Cloanaig to Clachan (Kintyre Way)      | Approximately 10.2 km to the north            | Theoretical visibility from sections of the path. Actual visibility would be reduced by surrounding forestry. No potential for significant effects.   | No                           |
| Core Path C461 - Dunaskeig, Clachan                     | Approximately 12.3 km to the north            | No theoretical visibility.  | No                           |
| Core Path C462 - Portachoillan to Quinhill, Clachan     | Approximately 11.8 km to the north            | No theoretical visibility.  | No                           |
| Core Path C463 - Dunskeig Bay, Clachan                  | Approximately 11.3 km to the north            | No theoretical visibility.  | No                           |
| Core Path C495 - Eilean Garbha, Gigha                   | Approximately 10.3 km to the north west       | Very limited theoretical visibility from a very short section of the southern part of the path. Given the limited theoretical visibility and the distance no potential for significant effects. | No                           |
| Core Path C521 - Glenreasdell to Kintyre Way, Skipness  | Approximately 18.7 km to the north east       | Theoretical visibility from sections of the path. Actual visibility would be reduced by surrounding forestry. Potential for limited effects but would not be considered significant.            | No                           |



Table 5.4.4: Preliminary Assessment of Cycle Routes

| Cycle Route  | Location Relative to the Proposed Development | Comments   | Detailed Assessment Required |
|--|---|--|------------------------------|
| Sustrans route (formerly part of NCN 78 The Caledonia Way) | Approximately 7 km to the east                | Very limited theoretical visibility from this route as it passes to the east of the Proposed Development. The main area of theoretical visibility occurs approximately 16 km to the north between Kilberry and Torinturk. Cyclists would experience long-range, open, oblique views south towards the Proposed Development. Potential for some limited effects but due to the distance they would not be considered significant. | No                           |

Table 5.4.5: Preliminary Assessment of Roads

| Road           | Location Relative to the Proposed Development                | Comments   | Detailed Assessment Required |
|----------------|--|--|------------------------------|
| <b>A Roads</b> |  |  |                              |
| A83            | Passes through site boundary at western end of access track. | Potential for significant effect due to the proximity of the route to the Proposed Development. Further sections of theoretical visibility between Glenbarr and Muasdale and north of Tayinloan and Clachan. | Yes                          |
| <b>B Roads</b> |  |  |                              |
| B842           | Approximately 7 km to the east                               | Negligible theoretical visibility from this route. No potential for significant effects.   | No                           |
| B879           | Approximately 8.9 km to the south east                       | No theoretical visibility.   | No                           |
| B8001          | Approximately 18.5 km to the north east                      | Negligible theoretical visibility from this route. No potential for significant effects.   | No                           |

| Road  | Location Relative to the Proposed Development | Comments  | Detailed Assessment Required |
|-------|---|---|------------------------------|
| B8024 | Approximately 15.8 km to the north west       | Distant open views south towards the Proposed Development. Potential for some limited effects but due to the distance they would not be considered significant. | No                           |

**Table 5.4.6: Preliminary Assessment of Ferry Routes**

| Road                                       | Location Relative to the Proposed Development | Comments  | Detailed Assessment Required |
|--|---|---|------------------------------|
| Ardminish (Gigha) - Tayinloan (Kintyre)    | Approximately 2.9 km to the west              | Open views from The Sound of Gigha crossing east towards the Proposed Development. Potential for significant effects.   | Yes                          |
| Kennacraig (Kintyre) - Port Askaig (Islay) | Approximately 11 km to the north west         | Open views across The Sound of Gigha, south towards the Proposed Development. Potential for significant effects.  | Yes                          |
| Kennacraig (Kintyre) - Port Ellen (Islay)  | Approximately 10 km to the north west         | Open views across The Sound of Gigha, south towards the Proposed Development. Potential for significant effects.  | Yes                          |
| Lochranza (Arran) - Claonaig (Kintyre)     | Approximately 18.2 km to the north east       | Open views south west towards the Proposed Development. Given the distance although there is the potential for some limited effects they would not be considered significant. | Yes                          |
| Tarbert - Lochranza (Arran)                | Approximately 21 km to the north east         | Theoretical visibility available, however at over 20 km from Proposed Development any effects would be very limited and would not be considered significant.                  | No                           |