

18 INTRA-PROJECT CUMULATIVE EFFECTS

18.1 Introduction

In accordance with the EIA Regulations, this EIA Report considers 'cumulative effects'. The Institute of Environmental Management and Assessment (IEMA) recognises two types of cumulative assessment¹, which are:

- Intra-project effects - These effects occur where a single receptor is affected by more than one source of effect arising from different aspects of the project. An example of an intra-project effect would be where a local resident is affected by dust, noise and traffic disruption during the construction of a scheme, with the combined result being the potential for a greater impact than each individual effect alone; and
- Inter-project effects – These effects occur as a result of a number of developments, which individually might not be significant, but when considered together could create a significant cumulative effect on a shared receptor and will include developments separate from and related to the project.

Detailed consideration of inter-project effects have been undertaken for all relevant technical assessments and are included in the relevant chapters (Chapters 6 to 17). This Chapter provides an assessment of the potential intra-project effects arising from the Development.

This Chapter addresses the requirements of Schedule 4 Regulation 5 (e) of Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017². This assessment was undertaken by ERM Ltd.

18.2 Methodology

The methodology for assessing intra-project effects involves the identification of impact interactions associated with the construction, operation and decommissioning phases of the Development upon one or more receptor. This is undertaken using a qualitative appraisal process.

A receptor with multiple effects which have been individually assessed as being above the level of perceptibility (i.e. Minor or above), could still be affected significantly due to the combination of one or more other perceptible effects. The intra-project assessment considers all effects (adverse and beneficial) which have been assessed as Minor (which, taken individually, is not significant in EIA terms), Moderate, or Major.

The approach adopted for this intra-project assessment is to examine in turn each residual effect for each individual receptor. These are presented as the stage 1 assessment in Table 18.1. It is then identified if multiple effects are experienced at an individual receptor and if so, using professional judgement, whether this could give rise to a significant intra-project effect to that receptor. This is presented as the Stage 2 assessment in Table 18.2.

18.3 Stage 1 Assessment

Stage 1 of the intra-project assessment identifies perceptible residual effects for all receptors, identified in the following environmental topics:

- Chapter 6 – LVIA;

¹ Institute of Environmental Management and Assessment, 2020. Impact Assessment Outlook Journal Volume 7: Demystifying Cumulative Effects. Thought pieces from UK practice. Available at: <https://www.iema.net/resources/reading-room/2020/07/17/impact-assessment-outlook-journal-volume-7-demystifying-cumulative-effects-july-2020> (Accessed 01/09/2023)

² The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 [Online] Available at: <https://www.legislation.gov.uk/ssi/2017/101/contents/made> (Accessed 30/08/2023)

- Chapter 7 – Ornithology;
- Chapter 8 – Ecology;
- Chapter 9 – Archaeology and Cultural Heritage;
- Chapter 10 – Hydrology and Hydrogeology;
- Chapter 11 – Geology and Soils;
- Chapter 12 - Noise;
- Chapter 13 – Traffic and Transport;
- Chapter 14 – Forestry;
- Chapter 15 - Land Use, Socio-Economics, Tourism & Recreation;
- Chapter 16 – Climate Change and Carbon Balance; and
- Chapter 17 – Other Issues.

These perceptible residual effects are presented in Table 18.1: Stage 1 Assessment.

Table 18.1 – Stage 1 Assessment: Residual Effects Summary of Findings

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|------------------------------|---|---|---|
| 6 – LVIA | Forestry | Construction | Loss of Forestry | Not significant (minor) | N/A | Not significant (minor) |
| | Rough Grass Moorland | Construction | Loss of Rough Moorland Grass | Not significant (minor) | N/A | Not significant (minor) |
| | 1: Steep Ridgeland and Mountains LCT / Clachan LCU | Construction | Impacts to LCT / LCU | Significant (moderate) / Not significant (moderate / minor) / No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate) / Not significant (moderate / minor) / No effect |
| | 1: Steep Ridgeland and Mountains LCT / East Loch Fyne LCU | Construction | Impacts to LCT / LCU | Not significant (moderate or minor) / no effect | N/A | Not significant (moderate or minor) / no effect |
| | 2: High Tops LCT | Construction | Impacts to LCT | Significant (moderate) / not significant (moderate) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate) / not significant (moderate) / no effect |
| | 4: Mountain Glens LCT / Glen Shira LCU | Construction | Impacts to LCT / LCU | Not significant (moderate) | N/A | Not significant (moderate) |
| | 4: Mountain Glens LCT / Glen Aray LCU | Construction | Impacts to LCT / LCU | Significant (major / moderate) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) / no effect |
| | 6a: Loch Fyne Upland Forest Mosaic LCT – West Loch Fyne LCU | Construction | Impacts to LCT / LCU | Significant (major / moderate) / significant (moderate) / Not significant (minor) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) / significant (moderate) / Not significant (minor) / no effect |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--|--------------------------|--|--|---|--|
| | 7c: North Loch Awe Craggy Upland LCT / East Loch Awe LCU | Construction | Impacts to LCT / LCU | Significant (major or major / moderate) Not significant (moderate / minor) / no change | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major or major / moderate) Not significant (moderate / minor) / no change |
| | 7c: North Loch Awe Craggy Upland LCT / West Loch Awe LCU | Construction | Impacts to LCT / LCU | Not significant (moderate) / no effect | N/A | Not significant (moderate) / no effect |
| | 20: Rocky Mosaic LCT / Inveraray LCU | Construction | Impacts to LCT / LCU | Not significant (moderate) / no effect | N/A | Not significant (moderate) / no effect |
| | 20: Rocky Mosaic LCT / East Loch Fyne north LCU | Construction | Impacts to LCT / LCU | Not significant (moderate) / no effect | N/A | Not significant (moderate) / no effect |
| | 20: Rocky Mosaic LCT / East Loch Fyne south LCU | Construction | Impacts to LCT / LCU | Not significant (moderate / minor) / no effect | N/A | Not significant (moderate / minor) / no effect |
| | 20: Rocky Mosaic LCT / West Loch Awe LCT | Construction | Impacts to LCT / LCU | Not significant (moderate / minor) / not significant (moderate) / no change | N/A | Not significant (moderate / minor) / not significant (moderate) / no change |
| | 20: Rocky Mosaic LCT / North Loch Awe LCU | Construction | Impacts to LCT / LCU | Not significant (moderate) / no change | N/A | Not significant (moderate) / no change |
| | Loch Lomond and the Trossachs National Park | Construction | Impacts to Loch Lomond and the Trossachs National Park | Not significant | N/A | Not significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|-----------------------------|---|---|---|
| | North Argyll APQ | Construction | Impacts to North Argyll APQ | Significant (major / moderate or moderate) Not significant (moderate or moderate / minor) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate or moderate) Not significant (moderate or moderate / minor) |
| | Viewpoint 1: A819, Dorchaidean Eoin Ruadh-bhuidhe | Construction | Impacts to Viewpoint | Significant (major / moderate) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) |
| | Viewpoint 2: A819, Tullich | Construction | Impacts to Viewpoint | Significant (major / moderate – road-users) or (major - residents) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate – road-users) or (major - residents) |
| | Viewpoint 3: A819, north of Inveraray | Construction | Impacts to Viewpoint | Significant (major / moderate – road-users) or (major - residents) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate – road-users) or (major - residents) |
| | Viewpoint 4: Access track above Inveraray | Construction | Impacts to Viewpoint | Not significant (moderate residents and walkers) (moderate / minor – road users) | N/A | Not significant (moderate residents and walkers) (moderate / minor – road users) |
| | Viewpoint 5: Inveraray Castle Grounds | Construction | Impacts to Viewpoint | Not significant (minor – residents and visitors) | N/A | Not significant (minor – residents and visitors) |
| | Viewpoint 6: Forest track above St Catherine's | Construction | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 7: A815, Ardnagowan | Construction | Impacts to Viewpoint | Not significant (minor - road users) | N/A | Not significant (minor - road users) (moderate / minor - residents) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|-------------------------|--|---|--|
| | | | | (moderate / minor - residents) | | |
| | Viewpoint 8: A815, Strachur | Construction | Impacts to Viewpoint | Not significant (moderate / minor - road users) (moderate - residents) | N/A | Not significant (moderate / minor - road users) (moderate - residents) |
| | Viewpoint 9: Rubha nam Frangach | Construction | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 10: St. Conan's Kirk | Construction | Impacts to Viewpoint | Significant (moderate – visitors and residents) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate – visitors and residents) |
| | Viewpoint 11: Kilchrenan | Construction | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 12: Ben Cruachan | Construction | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 13: Ben Lui | Construction | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 14: Beinn Ime | Construction | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 15: Beinn Bhuidhe | Construction | Impacts to Viewpoint | Significant (major / moderate) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) |
| | Viewpoint 16: Beinn Lochain | Construction | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 17: Cruachan Power Station Visitor Centre | Construction | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|------------------------------|--------------------------|------------------------------|---|---|---|
| | Viewpoint 18: Dun na Cuaiche | Construction | Impacts to Viewpoint | Significant (major / moderate) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) |
| | Viewpoint 19: Stob an Eas | Construction | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Inveraray | Construction | Impacts to Inveraray | Not significant (moderate / minor) No effect | N/A | Not significant (moderate / minor) No effect |
| | Creggans / Strachur | Construction | Impacts to Creggans/Stachur | Not significant (moderate or moderate / minor) No effect | N/A | Not significant (moderate or moderate / minor) No effect |
| | Lochawe | Construction | Impacts to users of Loch Awe | Significant (moderate) Not significant (moderate / minor) No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate) Not significant (moderate / minor) No effect |
| | A819 | Construction | Impacts to users of A819 | Significant (major or major / moderate) Not significant (moderate or moderate / minor) No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major or major / moderate) Not significant (moderate or moderate / minor) No effect |
| | Core Paths around Inveraray | Construction | Impacts to Core Paths | Significant (major / moderate) Not significant (moderate / minor) No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) Not significant (moderate / minor) No effect |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|-------------------------|---|---|---|
| | 1: Steep Ridgeland and Mountains LCT / Clachan LCU | Operation | Impacts to LCT / LCU | Significant (moderate) / Not significant (moderate / minor) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate) / Not significant (moderate / minor) / no effect |
| | 1: Steep Ridgeland and Mountains LCT / East Loch Fyne LCU | Operation | Impacts to LCT / LCU | Significant (moderate or minor) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate or minor) / no effect |
| | 2: High Tops LCT | Operation | Impacts to LCT | Significant (moderate) / not significant (moderate) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate) / not significant (moderate) / no effect |
| | 4: Mountain Glens LCT / Glen Shira LCU | Operation | Impacts to LCT / LCU | Not significant (moderate) | N/A | Not significant (moderate) |
| | 4: Mountain Glens LCT / Glen Aray LCU | Operation | Impacts to LCT / LCU | Significant (major / moderate) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) / no effect |
| | 6a: Loch Fyne Upland Forest Mosaic LCT – West Loch Fyne LCU | Operation | Impacts to LCT / LCU | Significant (major / moderate) / significant (moderate) / Not significant (minor) / no effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) / significant (moderate) / Not significant (minor) / no effect |
| | 7c: North Loch Awe Craggy Upland LCT / East Loch Awe LCU | Operation | Impacts to LCT / LCU | Significant (major or major / moderate) / Not significant (moderate / minor) / no change | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major or major / moderate) / Not significant (moderate / minor) / no change |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--|--------------------------|--|---|---|---|
| | 7c: North Loch Awe Craggy Upland LCT / West Loch Awe LCU | Operation | Impacts to LCT / LCU | Not significant (moderate) / no effect | N/A | Not significant (moderate) / no effect |
| | 20: Rocky Mosaic LCT / Inveraray LCU | Operation | Impacts to LCT / LCU | Not significant (moderate) / no effect | N/A | Not significant (moderate) / no effect |
| | 20: Rocky Mosaic LCT / East Loch Fyne north LCU | Operation | Impacts to LCT / LCU | Not significant (moderate) / no effect | N/A | Not significant (moderate) / no effect |
| | 20: Rocky Mosaic LCT / East Loch Fyne south LCU | Operation | Impacts to LCT / LCU | Not significant (moderate / minor) / no effect | N/A | Not significant (moderate / minor) / no effect |
| | 20: Rocky Mosaic LCT / West Loch Awe LCT | Operation | Impacts to LCT / LCU | Not significant (moderate / minor) / not significant (moderate) / no change | N/A | Not significant (moderate / minor) / not significant (moderate) / no change |
| | 20: Rocky Mosaic LCT / North Loch Awe LCU | Operation | Impacts to LCT / LCU | Not significant (moderate) / no change | N/A | Not significant (moderate) / no change |
| | Loch Lomond and the Trossachs National Park | Operation | Impacts to Loch Lomond and the Trossachs National Park | Not significant | N/A | Not significant |
| | North Argyll APQ | Operation | Impacts to North Argyll APQ | Significant (major / moderate or moderate) Not significant (moderate or moderate / minor) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate or moderate) Not significant (moderate or moderate / minor) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|-------------------------|--|---|--|
| | Viewpoint 1: A819, Dorchaidean Eoin Ruadh-bhuidhe | Operation | Impacts to Viewpoint | Significant (major / moderate) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) |
| | Viewpoint 2: A819, Tullich | Operation | Impacts to Viewpoint | Significant (major / moderate – road-users) or (major - residents) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate – road-users) or (major - residents) |
| | Viewpoint 3: A819, north of Inveraray | Operation | Impacts to Viewpoint | Significant (major / moderate – road-users) or (major - residents) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate – road-users) or (major - residents) |
| | Viewpoint 4: Access track above Inveraray | Operation | Impacts to Viewpoint | Not significant (moderate residents and walkers) (moderate / minor – road users) | N/A | Not significant (moderate residents and walkers) (moderate / minor – road users) |
| | Viewpoint 5: Inveraray Castle Grounds | Operation | Impacts to Viewpoint | Not significant (minor – residents and visitors) | N/A | Not significant (minor – residents and visitors) |
| | Viewpoint 6: Forest track above St Catherine's | Operation | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 7: A815, Ardnagowan | Operation | Impacts to Viewpoint | Not significant (minor - road users) (moderate / minor - residents) | N/A | Not significant (minor - road users) (moderate / minor - residents) |
| | Viewpoint 8: A815, Strachur | Operation | Impacts to Viewpoint | Not significant (moderate / minor - road users) (moderate - residents) | N/A | Not significant (moderate / minor - road users) (moderate - residents) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|-------------------------|--|---|--|
| | Viewpoint 9: Rubha nam Frangach | Operation | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 10: St. Conan's Kirk | Operation | Impacts to Viewpoint | Significant (moderate – visitors and residents) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate – visitors and residents) |
| | Viewpoint 11: Kilchrenan | Operation | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 12: Ben Cruachan | Operation | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 13: Ben Lui | Operation | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 14: Beinn Ime | Operation | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 15: Beinn Bhuidhe | Operation | Impacts to Viewpoint | Significant (major / moderate) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) |
| | Viewpoint 16: Beinn Lochain | Operation | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Viewpoint 17: Cruachan Power Station Visitor Centre | Operation | Impacts to Viewpoint | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |
| | Viewpoint 18: Dun na Cuaiche | Operation | Impacts to Viewpoint | Significant (major / moderate) | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) |
| | Viewpoint 19: Stob an Eas | Operation | Impacts to Viewpoint | Not significant (moderate) | N/A | Not significant (moderate) |
| | Inveraray | Operation | Impacts to Inveraray | Not significant (moderate / minor) | N/A | Not significant (moderate / minor) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|------------------------------|---|---|---|
| | | | | No effect | | No effect |
| | Creggans / Strachur | Operation | Impacts to Creggans/Stachur | Not significant (moderate or moderate / minor) No effect | N/A | Not significant (moderate or moderate / minor) No effect |
| | Lochawe | Operation | Impacts to users of Loch Awe | Significant (moderate) Not significant (moderate / minor) No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (moderate) Not significant (moderate / minor) No effect |
| | A819 | Operation | Impacts to users of A819 | Significant (major or major / moderate) Not significant (moderate or moderate / minor) No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major or major / moderate) Not significant (moderate or moderate / minor) No effect |
| | Core Paths around Inveraray | Operation | Impacts to Core Paths | Significant (major / moderate) Not significant (moderate / minor) No effect | None – Embedded mitigation undertaken as described in section Chapter 6, section 6.3.9. | Significant (major / moderate) Not significant (moderate / minor) No effect |
| | Ladyfield Farm Baseline | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | Ladyfield Farm Future Baseline – Replacement Dwelling | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--|--------------------------|----------------------------|-------------------------------|---|-------------------------------|
| | Ladyfield Farm Future Baseline – Barn Conversion | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | North Tullich | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | Kennels Cottage | Operation | Residential Visual Amenity | Significant (Moderate) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Moderate) |
| | Unnamed property to west of North Tullich | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | South Tullich | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | Drimfern | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | Unnamed property to south-west of Drimfern | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | West Drimfern | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|-----------------|----------------------------|--------------------------|------------------------------|--|---|----------------------------------|
| | Druim Breac | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| | Stronmagachan | Operation | Residential Visual Amenity | Significant (Major) | None – Embedded mitigation undertaken as described in section Volume 2 Chapter 6, section 6.3.9 | Significant (Major) |
| 7 – Ornithology | Black Grouse | Construction | Habitat loss and disturbance | Moderate adverse Significant | Spatial and temporal restrictions of construction activity around lek sites | Minor adverse Not significant |
| | Golden Eagle | Construction | Habitat loss and disturbance | Minor adverse Not significant | none required | Minor adverse Not significant |
| | Merlin | Construction | Habitat loss and disturbance | Minor adverse Not significant | none required | Minor adverse Not significant |
| | Greenshank | Construction | Habitat loss and disturbance | Moderate adverse Significant | Monitoring construction activity within 500 m of feeding lochs and restrictions if required. | Minor adverse Not significant |
| | Glen Etive & Glen Fyne SPA | Construction | Disturbance | No adverse effect on integrity | None required | No adverse effect on integrity |
| | Black Grouse | Operation | Displacement | Moderate adverse Significant | BEMP – forest restructuring and moorland restoration. | Minor adverse Not significant |
| | Black Grouse | Operation | Collision risk | Negligible Not significant | none required [any new fencing for BEMP would be marked] | Minor adverse Not significant |
| | Black Grouse | Operation | Lighting | Minor adverse Not significant | none required | Minor adverse Not significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|----------------------------|--------------------------|-------------------------|---|--|---|
| | Golden Eagle | Operation | Displacement | Minor adverse Not significant | None required [BEMP would benefit foraging opportunities] | Minor adverse Not significant |
| | Golden Eagle | Operation | Collision risk | Minor adverse Not significant | none required | Minor adverse Not significant |
| | Golden Eagle | Operation | Lighting | Minor adverse Not significant | none required | Minor adverse Not significant |
| | Merlin | Operation | Displacement | Minor adverse Not significant | None required [BEMP would benefit nesting and foraging opportunities] | Minor adverse Not significant |
| | Merlin | Operation | Collision risk | Negligible Not significant | none required | Minor adverse Not significant |
| | Merlin | Operation | Lighting | Minor adverse Not significant | none required | Minor adverse Not significant |
| | Greenshank | Operation | Displacement | Moderate adverse Significant | BEMP – forestry removal and moorland restoration. | Minor adverse Not significant |
| | Greenshank | Operation | Collision risk | Negligible Not significant | none required | Minor adverse Not significant |
| | Greenshank | Operation | Lighting | Minor adverse Not significant | none required | Minor adverse Not significant |
| | Glen Etive & Glen Fyne SPA | Operation | Displacement | No adverse effect on integrity Not significant | None required [BEMP would benefit golden eagle foraging opportunities] | No adverse effect on integrity Not significant |
| | Glen Etive & Glen Fyne SPA | Operation | Collision risk | No adverse effect on integrity Not significant | none required | No adverse effect on integrity Not significant |
| | Glen Etive & Glen Fyne SPA | Operation | Lighting | No adverse effect on integrity | none required | No adverse effect on integrity |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|---------------------------------------|---------------------------------------|--------------------------|---|--|--|--|
| | | | | Not significant | | Not significant |
| 8 - Ecology | Blanket bog | Construction | Habitat loss | Minor Adverse Not Significant | BEMP restoration | Minor Beneficial Not Significant |
| | Wet modified bog | Construction | Habitat loss | Minor Adverse Not Significant | BEMP restoration | Minor Beneficial Not Significant |
| | Wet heath | Construction | Habitat loss | Minor Adverse Not Significant | BEMP restoration | Minor Beneficial Not Significant |
| | Semi-natural broadleaved woodland | Construction | Habitat loss | Minor Adverse Not Significant | BEMP woodland planting | Negligible Beneficial Not Significant |
| | Pipistrelle bats | Operation | Collision risk | Minor Adverse Not Significant | BEMP woodland planting and bat boxes | Negligible Not Significant |
| 9 – Archaeology and Cultural Heritage | Earthwork of Unknown Provenance (HM3) | Construction | Loss or damage to cultural heritage feature | Negligible Not Significant | Recording of any extant features and an archaeological watching brief during construction in accordance with an approved WSI | Negligible Not Significant |
| | Post-medieval field boundaries (HM4) | Construction | Loss or damage to cultural heritage feature | Negligible Not Significant | Recording of any extant features and an archaeological watching brief during construction in accordance with an approved WSI | Negligible Not Significant |
| | As yet unknown archaeological remains | Construction | Loss or damage to cultural heritage feature | Minor (Not Significant) to Major Significant | Recording of any extant features and an archaeological watching brief during construction in accordance with an approved WSI | Minor Adverse (in some exceptional circumstances, which are highly unlikely to occur for the Development, mitigation will reduce the effect on assets of the highest |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--|--------------------------|----------------------------------|-----------------------------|--|---|
| | | | | | | cultural significance while the residual may remain significant for the purposes of EIA) Not Significant |
| | Inveraray Castle Designed Landscape | Operation | Change to setting of feature | Moderate Significant | None applicable/proposed | Minor Adverse |
| | Category A listed Society School | Operation | Change to setting of feature | Minor Not Significant | None applicable/proposed | Minor Adverse |
| | Ardanaseig House Designed landscape | Operation | Change to setting of feature | Minor Not Significant | None applicable/proposed | Minor Adverse |
| 10 - Hydrology | Surface hydrology (watercourses) and Designated Hydrological Receptors | Construction | Chemical Pollution | Minor Not Significant | None beyond measures embedded in the oCEMP, including impermeable membranes, bunding of the TCC and absorbent spill pads / kits. | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors | Construction | Erosion and Sedimentation | Minor Not Significant | None beyond measures embedded in the oCEMP, including settlement bunding implemented in areas near watercourse buffers. | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors | Construction | Pollution from contaminated land | Minor Not Significant | None | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated | Construction | Impediments to flow | Minor Not Significant | None beyond measures embedded in the oCEMP, including arched culverts, brash matting, limited brash | Negligible Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--|--------------------------|--|---------------------------|---|-------------------------------|
| | Hydrological Receptors | | | | stockpiling to reduce the accumulation of brash in watercourses. | |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors | Construction | Acidification because of felling. | Minor Not Significant | None beyond measures embedded in the oCEMP, including brash matting, limited brash stockpiling to reduce the accumulation of brash in watercourses. | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors | Construction | Increase in Run-off and Flood Risk. | Minor Not Significant | None | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors | Construction | Effects of water abstraction for concrete batching on-site | Minor Not Significant | None beyond measures embedded in the oCEMP, as well as abstraction limitations in the SEPA abstraction licensing process. | Negligible Not Significant |
| | Groundwater and Near-Surface water | Construction | Changes in Groundwater Interflow Patterns. | Minor Not Significant | None beyond measures embedded in the oCEMP, including controlled irrigation techniques and detailed Development drainage design. | Minor Not Significant |
| | Groundwater and Near-Surface water | Construction | Chemical Pollution. | Minor Not Significant | None beyond measures embedded in the oCEMP, including spill-kits and Geotextile impermeable membranes. | Minor Not Significant |
| | GWDTE's (High dependency) | Construction | Chemical Pollution. | Minor Not Significant | None | Minor Not Significant |
| | GWDTE's (High dependency) | Construction | Changes in Groundwater Interflow Patterns. | Minor | None | Minor |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|---|--------------------------|--|-------------------------------|--------------------------------|-------------------------------|
| | | | | Not Significant | | Not Significant |
| | GWDTE's (Moderate dependency) | Construction | Chemical Pollution. | Negligible Not Significant | None | Negligible Not Significant |
| | GWDTE's (Moderate dependency) | Construction | Changes in Groundwater Interflow Patterns. | Negligible Not Significant | None | Negligible Not Significant |
| | Ladyfield Farm PWS | Construction | Chemical Pollution. | Major Significant | Monitoring and watching brief. | Minor Not Significant |
| | Ladyfield Farm PWS | Construction | Erosion and Sedimentation. | Major Significant | Monitoring and watching brief. | Minor Not Significant |
| | Watercourses | Operation | Increase in Run-off and Flood Risk | Minor Not Significant | None | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors, Groundwater, PWS and Near-surface water | Operation | Erosion and Sedimentation. | Minor Not Significant | None | Negligible Not Significant |
| | Groundwater, Near-surface water and PWS | Operation | Changes in Groundwater Interflow Patterns. | Minor Not Significant | None | Minor Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors, Groundwater, PWS | Operation | Risk of a Pollution Event from Minor Spills from Maintenance Vehicles. | Minor Not Significant | None | Negligible Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|------------------------------|---|--------------------------|----------------------------|-------------------------------|--|-------------------------------|
| | and Near-surface water | | | | | |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors, Groundwater, Near-surface water and PWS | Decommissioning | Chemical Pollution. | Minor Not Significant | None beyond measures embedded in the oCEMP. | Negligible Not Significant |
| | Surface hydrology (watercourses) and Designated Hydrological Receptors, Groundwater, Near-surface water and PWS | Decommissioning | Erosion and Sedimentation. | Minor Not Significant | Micrositing turbines and tracks in areas of deep peat. The use of floating tracks in areas where deep peat is located in areas where there are proposed access tracks. | Negligible Not Significant |
| 11 – Geology, Soils and Peat | Peat | Construction | Disturbance of Deep Peat | Minor Not Significant | Avoiding construction on steep slopes that have deep peat deposits, avoiding the loading of deep peat, visual inspections during construction and minimising activities in areas of moderate risk during and for a period after heavy rainfall events. | Minor Not Significant |
| | Peat | Construction | Peat Stability | Negligible Not Significant | Avoiding construction on peat deposits. Minimising the loading of soils. Reuse of peat that is removed from in situ conditions to other areas within the development. | Negligible Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|------------------|--------------------------|---------------------------------------|--|---|-------------------------------|
| | Peat | Construction | Loss and Compaction of Peat and Soils | Negligible Not Significant | Avoiding loading of soils in wet conditions. Minimising the loading of soils. Reuse of topsoil that is removed from in situ conditions to other areas within the development. | Negligible Not Significant |
| | Soils | Construction | Loss and Compaction of Peat and Soils | Minor Not Significant | Restoring the borrow pit after use. | Negligible Not Significant |
| | Geology | Construction | Impact on Solid Geology | Minor Not Significant | Restoring the borrow pit after use. | Negligible Not Significant |
| 12 – Noise | Ladyfield Farm | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Drimfern | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Three Bridges | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Maam House | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | North Tullich | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | South Tullich | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Linneghlutten | Construction | Noise from construction activities | Significant – bridge Replacement only | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A85 near Taynult | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A85 near Clifton | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|----------------------|--------------------------|--------------------------------------|--|---|------------------------|
| | A85 near Arrivain | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A83 near Auchnabreac | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A819 North | Construction | Noise from construction activities | Significant – Concrete Delivery Days only | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A819 South | Construction | Noise from construction activities | Significant – Concrete Delivery Days only | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A85 near Taynuilt | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A85 near Clifton | Construction | Noise from construction activities | Significant – Concrete Delivery Days only | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A85 near Arrivain | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A83 near Auchnabreac | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A819 North | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | A819 South | Construction | Noise from construction activities | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Ladyfield Farm | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |
| | Drimfern | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |
| | Three Bridges | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|-----------------|--------------------------|--|---------------------------|---|------------------------|
| | Maam House | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |
| | North Tullich | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |
| | South Tullich | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |
| | Linneghlutten | Operation | Noise from operation of the windfarm | Not Significant | None | Not Significant |
| | Ladyfield Farm | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Drimfern | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Three Bridges | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Maam House | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | North Tullich | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | South Tullich | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |
| | Linneghlutten | Decommissioning | Noise from decommissioning of the windfarm | Not Significant | Good practice measures specified in Section 12.6.1. | Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|---|-------------------------|--------------------------|-------------------------|-------------------------------|---|-------------------------------|
| 13 – Access, Traffic and Transportation | Road network | Construction | Traffic Generation | Minor Not Significant | The CTMP will set out a phasing and timing strategy for construction traffic movements. Where necessary construction traffic movements will be reduced during periods of increased baseline traffic. | Minor Not Significant |
| | Road network | Construction | Accidents and Safety | Negligible Not Significant | The CTMP which would be agreed in consultation with the Council and finalised post consent will include measures to enhance existing road safety conditions during the construction phase. | Negligible Not Significant |
| | Non-motorised Users | Construction | Pedestrian Amenity | Minor Not Significant | The CTMP which would be agreed in consultation with the Council and finalised post consent will set out a phasing and timing strategy for construction traffic movements. Where necessary construction traffic movements will be reduced during periods of increased pedestrian activity. | Minor Not Significant |
| | Road network | Construction | Driver Delay | Minor Not Significant | The CTMP will set out a phasing and timing strategy for construction traffic movements. Where necessary construction traffic movements will be reduced during periods of increased baseline traffic. | Minor Not Significant |
| | Settlements along route | Construction | Severance | Minor Not Significant | The CTMP will set out a phasing, timing, and routing strategy for construction traffic movements. | Minor Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--|--------------------------|---|---------------------------|--|--------------------------|
| | | | | | Where necessary construction traffic movements will be reduced during periods of increased baseline traffic. | |
| | Road network and Settlements along route | Construction | Noise and Vibration | Minor Not Significant | N/A | Minor Not Significant |
| | Road network and Settlements along route | Construction | Hazardous Loads | Minor Not Significant | N/A | Minor Not Significant |
| | Road network and Settlements along route | Construction | Visual Effects | Minor Not Significant | N/A | Minor Not Significant |
| | Settlements along route | Construction | Air Quality | Minor Not Significant | N/A | Minor Not Significant |
| | Road Users and Settlements along route (Abnormal Load Movements) | Construction | Combined effect of the above | Minor Not Significant | Advance warning signs will be posted prior to abnormal load movements. Abnormal load movements will be scheduled to avoid periods of increased baseline traffic as well as school opening and closing periods. All abnormal load movements will be fully escorted to warn on-coming vehicles and advise other road users | Minor Not Significant |
| 14 – Forestry | Forest Structure and Forest Plans | Construction | Adverse effect to forest structure and management | N/A | Windfarm Forest Plan implemented to accommodate infrastructure and plan for restocking on site. | N/A |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|--|---|--------------------------|---|--|---|------------------------------------|
| | Loss of Woodland Cover | Construction | Loss of Woodland | N/A | 48.7 Ha of woodland shall be replanted off-site as compensation for loss of woodland on site. | N/A |
| | Forest Waste | Construction | Production of forest waste | N/A | Forest Waste Management Plan to be included within the CEMP | N/A |
| 15 – Socio-economics, Tourism, Recreation and Land Use | Local employment | Construction | Direct and indirect effects through increase in employment. | Minor, positive Not Significant | None proposed | Minor, positive Not Significant |
| | Skill development and indirect employment | Construction | Indirect and induced employment opportunities and skill development. | Minor, beneficial Not Significant | None proposed | Minor, positive Not Significant |
| | Local economy | Construction | Capital expenditure within the local area. | Minor, beneficial Not Significant | None proposed | Minor, positive Not Significant |
| | Land use | Construction | Land take and change of land use. | Minor, negative Not Significant | None proposed | Negligible, Not Significant |
| | Recreational Routes | Construction | Reduced visual amenity for temporary periods throughout the walks. | Negligible Not Significant | None proposed | Negligible Not Significant |
| | Tourism and Recreation | Construction | Potential decrease in amenity due to presence of construction works, noise and visual amenity. Potential for some disruption from construction traffic. | Minor to Negligible Not Significant | None proposed | Minor Not Significant |
| | Local employment | Operation | Increased employment and business opportunities. | Negligible Not Significant | None proposed | Negligible Not Significant |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|--|--|--------------------------|--|--|---|--|
| | Local and regional economy | Operation | Operational expenditure to the regional. | Negligible Not Significant | None proposed | Negligible Not Significant |
| | Land use | Operation | Land take and change of land use. | Minor, negative Not Significant | None proposed | Negligible Not Significant |
| | Recreational Routes | Operation | Reduced visitor numbers due to presence of wind farm. | Negligible Not Significant | None proposed | Negligible Not Significant |
| | Tourism and Recreation | Operation | Reduced visitor numbers due to the presence of wind farm. | Negligible Not Significant | None proposed | Negligible Not Significant |
| 16 – Climate Change and Carbon Balance | Climate – average temperature predictions linked to GHG emissions | Operation | Reduction in GHG emissions through offsetting of existing conventional generation. | Moderate, beneficial Major Cumulatively Significant | None Embedded mitigation has reduced payback period and maximised beneficial impact. | Moderate, beneficial Significant |
| | Environmental Receptors assessed in individual chapters of EIA Report. | Operation | Change to future baseline of receptors and assessment results. | Negligible Not Significant | None Mitigation as identified in individual assessment chapters. | None Not Significant |
| 17 – Other Issues | West Drimfern | Operation | Shadow Flicker | None | N/A | None |
| | Drimfern | Operation | Shadow Flicker | None | N/A | None |
| | Stronmagachan | Operation | Shadow Flicker | None | N/A | None |
| | Stronmagachan Steading | Operation | Shadow Flicker | None | N/A | None |
| | Druim Breac | Operation | Shadow Flicker | None | N/A | None |

| <i>Chapter</i> | <i>Receptor</i> | <i>Development Stage</i> | <i>Potential Effect</i> | <i>Initial Assessment</i> | <i>Proposed Mitigation</i> | <i>Residual Effect</i> |
|----------------|--------------------------------|--------------------------|--|------------------------------|--|------------------------|
| | South Tullich | Operation | Shadow Flicker | None | N/A | None |
| | North Tullich | Operation | Shadow Flicker | Not Significant | N/A | Not Significant |
| | Ladyfield Farm | Operation | Shadow Flicker | Significant | Shadow Flicker Mitigation to be undertaken as described in section 17.2.6. | Not Significant |
| | Ladyfield Replacement Dwelling | Operation | Shadow Flicker | Significant | Shadow Flicker Mitigation to be undertaken as described in section 17.2.6. | Not Significant |
| | Ladyfield Barn Conversion | Operation | Shadow Flicker | Significant | Shadow Flicker Mitigation to be undertaken as described in section 17.2.6. | Not Significant |
| | Glasgow Prestwick Airport | Operation | Aviation - Radar | Not Significant | N/A | Not Significant |
| | Glasgow Airport | Operation | Aviation - Radar | Not Significant | N/A | Not Significant |
| | Oban Airport | Operation | Aviation – Radar and Low Flying Aircraft | Not Significant | Installation of night-time lighting to MoD specification | Not Significant |
| | NATS | Operation | Aviation - Radar | No Change Not Significant | N/A | Not Significant |
| | MoD | Operation | Aviation - Radar | No Change Not Significant | N/A | Not Significant |
| | MoD | Operation | Aviation – Low Flying Aircraft | Significant | Installation of night-time lighting to MoD specification | Not Significant |
| | Telecoms | Operation | Interference | Not Significant | N/A | Not Significant |

18.4 Stage 2 Assessment

18.4.1 Assessment

The stage 1 assessment in Table 18.1 presents the perceptible residual effect for each individual receptor.

Table 18.2 sets out the Stage 2 intra-project cumulative assessment. Topics considered to have the potential for intra-project effects are:

- Chapter 6 – LVIA;
- Chapter 7 – Ornithology;
- Chapter 8 – Ecology;
- Chapter 10 – Hydrology and Hydrogeology;

Table 18.2 – Stage 2: Intra-project Effects

| Specific Receptor | Effect | Location of assessment within EIA Report | Summary of Intra-project Effects to Specific Receptors |
|---|--|--|---|
| 1: Steep Ridgeland and Mountains LCT / Clachan LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 1: Steep Ridgeland and Mountains LCT / East Loch Fyne LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 2: High Tops LCT | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 4: Mountain Glens LCT / Glen Shira LCU | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 4: Mountain Glens LCT / Glen Aray LCU | Major Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 6a: Loch Fyne Upland Forest Mosaic LCT – West Loch Fyne LCU | Major Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 7c: North Loch Awe Craggy Upland LCT / East Loch Awe LCU | Major Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 7c: North Loch Awe Craggy Upland LCT / West Loch Awe LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 20: Rocky Mosaic LCT / Inveraray LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 20: Rocky Mosaic LCT / East Loch Fyne north LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |

| Specific Receptor | Effect | Location of assessment within EIA Report | Summary of Intra-project Effects to Specific Receptors |
|--|---|--|---|
| 20: Rocky Mosaic LCT / East Loch Fyne south LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 20: Rocky Mosaic LCT / West Loch Awe LCT | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| 20: Rocky Mosaic LCT / North Loch Awe LCU | Moderate Adverse to no effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| North Argyll APQ | Major to minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 1: A819, Dorchaidhean Eoin Ruadh-bhuidhe | Major to moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 2: A819, Tullich | Major to major/moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 3: A819, north of Inveraray | Major to major/moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 4: Access track above Inveraray | Moderate to moderate/minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 5: Inveraray Castle Grounds | Minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 6: Forest track above St Catherine's | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 7: A815, Ardnagowan | Moderate to moderate/minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |

| Specific Receptor | Effect | Location of assessment within EIA Report | Summary of Intra-project Effects to Specific Receptors |
|---|--|--|---|
| Viewpoint 8: A815, Strachur | Moderate to moderate/minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 9: Rubha nam Frangach | Moderate to minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 10: St. Conan's Kirk | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 11: Kilchrenan | Moderate / minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 12: Ben Cruachan | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 13: Ben Lui | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 14: Beinn Ime | Moderate / minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 15: Beinn Bhuidhe | Major / moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 16: Beinn Lochain | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 17: Cruachan Power Station Visitor Centre | Moderate / minor Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 18: Dun na Cuaiche | Major / moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Viewpoint 19: Stob an Eas | Moderate Adverse during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Inveraray | Moderate / minor Adverse to No effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |

| Specific Receptor | Effect | Location of assessment within EIA Report | Summary of Intra-project Effects to Specific Receptors |
|--|--|--|---|
| Creggans / Strachur | Moderate Adverse to No effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Lochawe | Moderate Adverse to No effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| A819 | Major Adverse to No effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Core Paths around Inveraray | Major / moderate Adverse to No effect during construction and operation phases | Chapter 6 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 6. |
| Ladyfield Farm (Baseline and Future Baseline) – Visual Amenity | Major Adverse during operation phase | Chapter 6 | Ladyfield Farm (both Baseline and Future Baseline scenarios) will experience an intra-cumulative effect. However, it is considered that there are no new or different likely significant intra-project effects above those reported in Chapter 6: LVIA, and Chapter 10: Hydrology and Hydrogeology. |
| Ladyfield Farm - PWS | Minor Adverse during construction and operation phases | Chapter 10 | As such, this intra-cumulative effect is not significant in terms of the EIA Regulations. |
| Black Grouse | Minor Adverse during the construction and operational phases | Chapter 7 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 7. |
| Golden Eagle | Minor Adverse during the construction and operational phases | Chapter 7 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 7. |
| Merlin | Minor Adverse during the construction and operational phases | Chapter 7 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 7. |
| Greenshank | Minor Adverse during the construction and operational phases | Chapter 7 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 7. |
| Blanket bog | Minor Beneficial during the construction and operational phases | Chapter 8 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 8. |

| Specific Receptor | Effect | Location of assessment within EIA Report | Summary of Intra-project Effects to Specific Receptors |
|--------------------------|---|---|---|
| Wet modified bog | Minor Beneficial during the construction and operational phases | Chapter 8 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 8. |
| Wet heath | Minor Beneficial during the construction and operational phases | Chapter 8 | It is not considered that there are any new or different intra-project effects above those reported in Chapter 8. |

18.5 Summary

This Chapter summarises the findings of the perceptible residual effects presented in Chapters 6 to 17 and considers the potential for intra-project effects to arise to specific receptors, and the receptor groups from any identified perceptible residual beneficial or adverse effects.

Following the consideration of the potential for intra-project effects to arise, no new or different likely significant intra-project effects have been identified above those reported in Chapters 6 to 17.