

Contents

Volume 1 – Chapters

Chapter	Title
	Abbreviations & Glossary
1	Introduction
2	Site Selection and Design Iteration
3	Project Description
4	Approach to EIA
5	Planning & Energy Policy
6	Landscape and Visual
7	Ornithology
8	Ecology
9	Geology, Peat, Hydrology and Hydrogeology
10	Noise
11	Cultural Heritage
12	Traffic and Transport
13	Socio-Economic and Tourism
14	Aviation
15	Telecommunication
16	Forestry
17	Draft Scheme of Mitigation
18	Summary of Residual Effects

Contents

Volume 2 – Figures

Figure	Title
---------------	--------------

Introduction

- | | |
|-----|--------------------|
| 1.1 | Site Location Plan |
| 1.2 | Site Layout Plan |

Site Selection and Design

- | | |
|------|---|
| 2.1 | Environmental Constraints and Opportunities outwith the Site Boundary |
| 2.2 | Environmental Constraints and Opportunities within the Site Boundary |
| 2.3 | Turbine Layouts A & B |
| 2.4 | Turbine Layouts B, C & D |
| 2.5 | Turbine Layouts D, E & F |
| 2.6 | Infrastructure Layouts 1 & 2 |
| 2.7 | Infrastructure Layouts 3 & 4 |
| 2.8 | Viewpoint 3: A836 south of Dalmichy |
| 2.9 | Viewpoint 5: A836 north of Rhian Bridge |
| 2.10 | Viewpoint 7: Blarbuie |
| 2.11 | Viewpoint 9: Saval |

Project Description

- | | |
|------|--|
| 3.1 | Typical Wind Turbine Elevation |
| 3.2 | Typical Turbine Foundation |
| 3.3 | Typical Access Track Cross-section |
| 3.4 | Typical Drainage Design |
| 3.5a | Watercourse Crossing - Indicative Closed Pipe Drainage Ditch Crossing |
| 3.5b | Watercourse Crossing - Indicative Bottomless Arch Crossing |
| 3.5c | Watercourse Crossing – Indicative Single Span Crossing |
| 3.6 | Typical Switching Station and Control Building Plan & Elevations |
| 3.7 | Typical Energy Storage System Plan & Elevations |
| 3.8 | Typical Switching Station, Control Building and Energy Storage System Layout |
| 3.9 | Typical Meteorological Mast Elevation |
| 3.10 | Typical Construction Compound |

Planning and Energy Policy

- | | |
|-----|--|
| 5.1 | Site Location within Spatial Framework |
|-----|--|

Landscape & Visual

- | | |
|-----|----------------------------|
| 6.1 | Site Location & Study Area |
| 6.2 | Landform |

6.3a	Landscape Character (40km)
6.3b	Landscape Character (20km)
6.4a	Landscape Planning Designations (40km)
6.4b	Landscape Planning Designations (20km)
6.5	Wild Land
6.6a	Principal Visual Receptors (40km)
6.6b	Principal Visual Receptors (20km)
6.7a	Blade Tip ZTV with Viewpoints (40km)
6.7b	Blade Tip ZTV with Viewpoints (20km)
6.7c	Blade Tip ZTV With Viewpoints (40km)
6.7d	Blade Tip ZTV with Viewpoints (20km)
6.8a	Hub Height ZTV with Viewpoints (40km)
6.8b	Hub Height ZTV with Viewpoints (20km)
6.8c	Hub Height ZTV with Viewpoints (40km)
6.8d	Hub Height ZTV with Viewpoints (20km)
6.9	Landscape Character with Blade Tip ZTV (20km)
6.10	Landscape Planning Designations with Blade Tip ZTV (20km)
6.11	Wild Land with Blade Tip ZTV
6.12a	Principal Visual Receptors with Blade Tip ZTV (40km)
6.12B	Principal Visual Receptors with Blade Tip ZTV (20km)
6.13a	Cumulative Wind Farms (60km)
6.13b	Cumulative Wind Farms (40km)
6.14a	Cumulative ZTV: Achany
6.14b	Cumulative ZTV: Beinn Tharsuinn Plus Extension
6.14c	Cumulative ZTV: Braemore
6.14d	Cumulative ZTV: Coire na Cloiche
6.14e	Cumulative ZTV: Creag Riabhach
6.14f	Cumulative ZTV: Gordonbush Plus Extension
6.14g	Cumulative ZTV: Kilbraur Plus Extension
6.14h	Cumulative ZTV: Lairg Estate
6.14i	Cumulative ZTV: Lairg II
6.14j	Cumulative ZTV: Meall Buidhe
6.14k	Cumulative ZTV: Rosehall
6.14l	Cumulative ZTV: South Kilbraur
6.14m	Cumulative ZTV: Strathrory
6.14n	Cumulative ZTV: Strathy South
6.14o	Cumulative ZTV: Strathy South (Resubmission)

Ornithology

- 7.1 Study Areas
- 7.2 Field Survey Locations
- 7.3 Designated Sites
- 7.4a Waterfowl Flights
- 7.4b Wader Flights
- 7.4c Raptor and Corvid Flights
- 7.5 Diver Survey Results

Ecology

- 8.1 Designated Sites
- 8.2 NVC Habitat Types
- 8.3 Ground Water Dependent Terrestrial Ecosystems (GWDTE)
- 8.4 2017 Phase 1 Habitat Survey
- 8.5 Protected Species (Target Notes)
- 8.6 Bat Detector Locations
- 8.7 Freshwater Invertebrate & Fish Sampling Locations

Geology, Peat, Hydrology and Hydrogeology

- 9.1 Hydrology Study Area & Watercourses
- 9.2 Bedrock Geology
- 9.3 Surface Geology
- 9.4 Peat Depth Records & Contours
- 9.5 Potential Groundwater Dependent Terrestrial Ecosystems
- 9.6 Watercourse Crossings

Noise

- 10.1 Noise Monitoring Position, Noise Sensitive Receptors & Noise Contours 35dB

Cultural Heritage

- 11.1 Cultural Heritage: Inner Study Area
- 11.2 Cultural Heritage: Outer Study Area

Traffic and Transport

- 12.1 Study Area and Traffic Survey Locations
- 12.2 AIL Access Route

Socio-Economic and Tourism

- 13.1 Socio-Economic & Tourism Study Areas
- 13.2 Tourism & Recreation Receptors
- 13.3 Paths & Access

Aviation

- 14.1 VFR 250K Chart Extract

14.2 VFR 500K Chart Extract

Telecommunication

15.1 Telecommunication Link Location

Forestry

16.1 Existing Forestry

16.2 Area to be felled

Contents

Volume 3 – Landscape and Visual and Visualisations

Figure Title

Volume 3A&B

NatureScot

6.15a-d	Viewpoint 1: A836 Bird Hide Layby
6.16a-f	Viewpoint 2: A836 at Allt Chaiseagail Bridge
6.17a-f	Viewpoint 3: A836 South of Dalmichy
6.18a-e	Viewpoint 4: A836 North of Dalnessie Entrance
6.19a-e	Viewpoint 5: A836 North of Rhian Bridge
6.20a-e	Viewpoint 6: A836 South of Crask
6.21a-f	Viewpoint 7: Blarbuie
6.22a-f	Viewpoint 8: Tirryside
6.23a-f	Viewpoint 9: Saval
6.24a-g	Viewpoint 10: Rhian Breck, Lairg
6.25a-e	Viewpoint 11: Sallachy
6.26a-g	Viewpoint 12: Meall Dola
6.27a-e	Viewpoint 13: Track to Loch Sgeireach
6.28a-g	Viewpoint 14: Creag Mhor
6.29a-g	Viewpoint 15: Ben Klibreck
6.30a-g	Viewpoint 16: Ben More Assynt
6.31a-g	Viewpoint 17: Cnoc an Alaskie
6.32a-g	Viewpoint 18: Ben Hee
6.33a-g	Viewpoint 19: Moavally
6.34a-g	Viewpoint 20: The Ord

Volume 3C

The Highland Council

6.35	Viewpoint 1: A836 Bird Hide Layby
6.36	Viewpoint 2: A836 at Allt Chaiseagail Bridge
6.37	Viewpoint 3: A836 South of Dalmichy
6.38	Viewpoint 4: A836 North of Dalnessie Entrance
6.39	Viewpoint 5: A836 North of Rhian Bridge
6.40	Viewpoint 6: A836 South of Crask
6.41	Viewpoint 7: Blarbuie
6.42	Viewpoint 8: Tirryside
6.43	Viewpoint 9: Saval

6.44	Viewpoint 10: Rhian Breck, Lairg
6.45	Viewpoint 11: Sallachy
6.46	Viewpoint 12: Meall Dola
6.47	Viewpoint 13: Track to Loch Sgeireach
6.48	Viewpoint 14: Creag Mjor
6.49	Viewpoint 15: Ben Klibreck
6.50	Viewpoint 16: Ben More Assynt
6.51	Viewpoint 17: Cnoc an Alaskie
6.52	Viewpoint 18: Ben Hee
6.53	Viewpoint 19: Movally
6.54	Viewpoint 20: The Ord

Volume 3D

Chapter 11 Cultural Heritage

Fig 11.3a	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3b	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3c	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3d	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3e	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3f	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3g	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3h	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3i	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3j	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.3k	Viewpoint 1: Cnoc a' Bhreac-leathaid, shielings and cairnfield 700m NNE of (SM 5300)
Fig 11.4a	Viewpoint 2: Loch Beag na Furalachd, cairn and shielings 1175m ESE of SW end (SM 5081)
Fig 11.4b	Viewpoint 2: Loch Beag na Furalachd, cairn and shielings 1175m ESE of SW end (SM 5081)
Fig 11.4c	Viewpoint 2: Loch Beag na Furalachd, cairn and shielings 1175m ESE of SW end (SM 5081)
Fig 11.4d	Viewpoint 2: Loch Beag na Furalachd, cairn and shielings 1175m ESE of SW end (SM 5081)
Fig 11.4e	Viewpoint 2: Loch Beag na Furalachd, cairn and shielings 1175m ESE of SW end (SM 5081)
Fig 11.5a	Viewpoint 3: Dalnessie, settlement N of Feith Osdail (SM 4563)
Fig 11.5b	Viewpoint 3: Dalnessie, settlement N of Feith Osdail (SM 4563)
Fig 11.5c	Viewpoint 3: Dalnessie, settlement N of Feith Osdail (SM 4563)
Fig 11.5d	Viewpoint 3: Dalnessie, settlement N of Feith Osdail (SM 4563)
Fig 11.5e	Viewpoint 3: Dalnessie, settlement N of Feith Osdail (SM 4563)
Fig 11.6a	Viewpoint 4: Cnoc Olasdail, Hut Circles & Field Systems (SM 4375)
Fig 11.6b	Viewpoint 4: Cnoc Olasdail, Hut Circles & Field Systems (SM 4375)
Fig 11.6c	Viewpoint 4: Cnoc Olasdail, Hut Circles & Field Systems (SM 4375)

Fig 11.6d	Viewpoint 4: Cnoc Ollasdaill, Hut Circles & Field Systems (SM 4375)
Fig 11.6e	Viewpoint 4: Cnoc Ollasdaill, Hut Circles & Field Systems (SM 4375)
Fig 11.7a	Viewpoint 5: Altbreck, Broch 1650m ESE of Dalchork Bridge (SM 1829)
Fig 11.7b	Viewpoint 5: Altbreck, Broch 1650m ESE of Dalchork Bridge (SM 1829)
Fig 11.7c	Viewpoint 5: Altbreck, Broch 1650m ESE of Dalchork Bridge (SM 1829)
Fig 11.7d	Viewpoint 5: Altbreck, Broch 1650m ESE of Dalchork Bridge (SM 1829)
Fig 11.7e	Viewpoint 5: Altbreck, Broch 1650m ESE of Dalchork Bridge (SM 1829)
Fig 11.8a	Viewpoint 6: Shinness Murray Memorial (LB8027)
Fig 11.8b	Viewpoint 6: Shinness Murray Memorial (LB8027)
Fig 11.8c	Viewpoint 6: Shinness Murray Memorial (LB8027)
Fig 11.8d	Viewpoint 6: Shinness Murray Memorial (LB8027)
Fig 11.8e	Viewpoint 6: Shinness Murray Memorial (LB8027)
Fig 11.9a	Viewpoint 7: Sallachy, broch 425m NNE of Fruchan Cottage (SM 1883)
Fig 11.9b	Viewpoint 7: Sallachy, broch 425m NNE of Fruchan Cottage (SM 1883)
Fig 11.9c	Viewpoint 7: Sallachy, broch 425m NNE of Fruchan Cottage (SM 1883)
Fig 11.9d	Viewpoint 7: Sallachy, broch 425m NNE of Fruchan Cottage (SM 1883)
Fig 11.9e	Viewpoint 7: Sallachy, broch 425m NNE of Fruchan Cottage (SM 1883)
Fig 11.10a	Viewpoint 8: The Ord, chambered cairns, settlements and field systems (SM 1812)
Fig 11.10b	Viewpoint 8: The Ord, chambered cairns, settlements and field systems (SM 1812)
Fig 11.10c	Viewpoint 8: The Ord, chambered cairns, settlements and field systems (SM 1812)
Fig 11.10d	Viewpoint 8: The Ord, chambered cairns, settlements and field systems (SM 1812)
Fig 11.10e	Viewpoint 8: The Ord, chambered cairns, settlements and field systems (SM 1812)

Contents

Volume 4 – Appendices

Appendix Title

Volume 4A

Project Description

- 3.1 Outline Drainage Strategy
- 3.2 Construction Environmental Management Plan
- 3.3 Carbon Calculator

Approach to EIA

- 4.1 2018 EIA Scoping Report
- 4.2 2018 EIA Scoping Response
- 4.3 Cross-Reference of EIA Scoping Opinion in the EIA Report
- 4.4 Additional EIA Consultation Responses
- 4.5 Pre-Application Consultation Report
- 4.6 Shadow Flicker
- Figure 1 Shadow Flicker Study Area
- 4.7 Major Accidents and Disasters
- 4.8 Proposal of Application Notice

Landscape and Visual

- 6.1 Landscape and Visual Impact Assessment Methodology
- 6.2a Assessment of Effects on Wild Land Area 34 (Reay-Cassley)
- Figure 1a Reay – Cassley WLA with Blade Tip ZTV
- Figure 2a Reay – Cassley WLA with Hub Height ZTV
- Figure 3a Reay – Cassley WLA with Jenks Wildness Classes
- Figure 4a Reay – Cassley WLA with Jenks Wildness Classes and Blade Tip ZTV
- Figure 5a Reay – Cassley WLA with Operational Turbine Cumulative ZTV
- Figure 6a Reay – Cassley WLA with Operational & Consented Turbine Cumulative ZTV
- 6.2b Assessment of Effects on Wild Land Area 35 (Ben Klibreck–Armine Forest)
- Figure 1b Ben Klibreck – Armine WLA with Blade Tip ZTV
- Figure 2b Ben Klibreck – Armine WLA with Hub Height ZTV
- Figure 3b Ben Klibreck – Armine WLA with Jenks Wildness Classes
- Figure 4b Ben Klibreck – Armine WLA with Jenks Wildness Classes and Blade Tip ZTV
- Figure 5b Ben Klibreck – Armine WLA with Operational Turbine Cumulative ZTV
- Figure 6b Ben Klibreck – Armine WLA with Operational & Consented Turbine Cumulative ZTV
- 6.2c Assessment of Effects on Wild Land Area 37 (Foinaven-Ben Hee)
- Figure 1c Foinaven – Ben Hee WLA with Blade Tip ZTV

Figure 2c	Foinaven – Ben Hee WLA with Hub Height ZTV
Figure 3c	Foinaven – Ben Hee WLA with Creag Riabach Cumulative ZTV
<u>Ornithology</u>	
7.1	Methodology and Results for Ornithological Impact Assessment
7.2	Habitats Regulations Appraisal
<u>Ecology</u>	
8.1	Methodology and Results for Ecological Impact Assessment
8.2	Photograph Log
8.3	Wildcat Survey – Habitat, Trail Camera Evidence and Current Distribution
8.4	CONFIDENTIAL – Please See Volume 5
8.5	Fish Habitat and Population Assessment
8.6	Deer Report
8.7	Outline Habitat Management Plan
<u>Geology, Peat, Hydrology and Hydrogeology</u>	
9.1	Peat Slide Risk Assessment
Annex 1	Peat Depths
Annex 2	Hazard Scores
Annex 3	Lab Results
Figure 1	Geomorphology
Figure 2	Peat Survey & Sampling Locations
Figure 3	Peat Depth Records & Contour
Figure 4	Slope Map
9.2	Outline Peat Management Plan
9.3	Watercourse Crossing Schedule
<u>Noise</u>	
10.1	Calibration Certificates
10.2	Noise Monitoring Position
10.3	Charts showing measured baseline data, derivation of noise limits and evaluation of predicted noise levels
10.4	Turbine Noise Source Terms Vestas 117
<u>Cultural Heritage</u>	
11.1	Heritage Assets within the Inner Study Area
11.2	Designated Heritage Assets within Outer Study Area
11.3	Designated Heritage Assets beyond the Outer Study Area (specifically requested by HET to be assessed)
<u>Traffic and Transport</u>	
12.1	Pell Frischmann – Transport Assessment
Annex A	Abnormal Indivisible Load Route Survey

Annex B A836 Access Junction Traffic Management Plan

Forestry

16.1 Photographic Records of Forestry 17/09/2020

Volume 4B

Landscape and Visual

6.3 Residential Visual Amenity Assessment

Figure 1 Residential Visual Amenity Assessment Overview

Figure 2a Residential Property No. 1 – Dalmichy

Figure 2b Residential Property No. 2 – 29 North Blarbuie

Figure 2c Residential Property No. 3 – 29 South Blarbuie

Figure 2d Residential Property No. 4 – 28A Blarbuie

Figure 2e Residential Property No. 5 – 28B Blarbuie

Contents

Volume 5 – Confidential Figures and Appendices

Document	Title
-----------------	--------------

Ecology	
----------------	--

8.4	Freshwater Pearl Mussel Survey
-----	--------------------------------