



Cloiche Wind Farm

Volume 2: Main Report

April 2020

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GLOSSARY AND ABBREVIATIONS

AA	Appropriate Assessment
AADT	Annual Average Daily Traffic Flow
AD	Air Defence
AGL	Above Ground Level
AIL	Abnormal Indivisible Load
AIP	Aeronautical Information Publication
AM	Amplitude Modulation
AOD	Above Ordnance Datum
ASH	ASH design+assessment Ltd
ATC (Chapter 13)	Automatic Traffic Count
ATC (Chapter 16)	Air Traffic Control
BAP	Biodiversity Action Plan
BGA	British Gliding Association
BGS	British Geological Survey
BIM	Building Information Management
BPP	Bird Protection Plan
BTO	British Trust for Ornithology
CAA	Civil Aviation Authority
CAR	Controlled Activities Regulations
CEMP	Construction Environmental Management Plan
CIEEM	Chartered Institute of Ecological and Environmental Management
CIRIA	Construction Industry Research and Information Association
CLVIA	Cumulative Landscape and Visual Assessment
CNP	Cairngorms National Park
CNPA	Cairngorms National Park Authority
CNPLDP	Cairngorms National Park Local Development Plan
CNPPP	Cairngorms National Park Partnership Plan
CRM	Collision Risk Modelling
CTMP	Construction Traffic Management Plan
dB	Decibel
DECC	Department for Energy and Climate Change
DFT	Department for Transport
DIA	Drainage Impact Assessment

DIO	Defence Infrastructure Organisation
DMRB	Design Manual for Roads and Bridges
DTM	Digital Terrain Model
DWQR	Drinking Water Quality Regulator for Scotland
EC	European Commission
EcIA	Ecological Impact Assessment
ECoW	Environmental Clerk of Works
ECU	Energy Consents Unit
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment. A formal process codified by EU directive 2011/92/EU, and subsequently amended by Directive 2014/52/EU. The national regulations are set out in The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017. The EIA process is set out in regulation 4(1) of the regulations and includes the preparation of an EIA Report by the developer to systematically identify, predict, assess and report on the likely significant environmental impacts of a proposed project or development.
EIA Regulations	The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
EMP	Environmental Management Plan
EMS	Environmental Management System
EPS	European Protected Species
ES	Environmental Statement
ESTU-R-97	The Assessment and Rating of Noise from Wind Farms
FCS	Forestry Commission Scotland
FL	Flight Level
FRA (Chapter 9)	Flight Risk Area
FRA (Chapter 10)	Flood Risk Assessment
GB	Great Britain
GCR	Geological Conservation Review
GDL	Gardens and Designed Landscapes
GET	Golden Eagle Topographic
GIS	Geographic Information System
GPG	Good Practice Guidance
GPP	Guidance for Pollution Prevention
GPS	Global Positioning System

Greenfield Run-off	Non-silty surface water flow that has not yet passed over any disturbed construction areas
GVA	Gross Value Added
GVLIA3	Guidelines for Landscape and Visual Impact Assessment, Third Edition
GW	Gigawatt
GWDTE	Groundwater Dependent Terrestrial Ecosystems
GWP	Global Warming Potential
ha	Hectare, an area of 10,000 square metres
Habitat Reinstatement	The replacement of temporarily removed vegetation and / or soil cover that is then allowed to naturally regenerate
Habitat Restoration	Involves undertaking measures to actively regenerate degraded habitat
HBAP	The Highland Biodiversity Action Plan 2015-2020
HBRG	Highland Biological Recording Group
HEPS	Historic Environment Policy for Scotland
HES	Historic Environment Scotland
HGV	Heavy Goods Vehicle
HIAL	Highlands and Islands Airports Ltd
HIE	Highland and Islands Enterprise
HMP	Habitat Management Plan
HRA	Habitat Regulations Appraisal
HRSG	Highland Raptor Study Group
HwLDP	Highland-wide Local Development Plan
IEMA	Institute of Environmental Management and Assessment
IMFLDP	Inner Moray Firth Local Development Plan
IOA	Institute of Acoustics
ISO	International Organisation for Standardisation
IUCN	International Union for the Conservation of Nature
JMT	John Muir Trust
JNCC	Joint Nature Conservation Committee
LCA	Landscape Character Area
LCT	Landscape Character Type
LDP	Local Development Plan
LGV	Light Goods Vehicle
LI	Landscape Institute

LiDAR	Light Detection and Ranging
LNR	Local Nature Reserve
LTS	Local Transport Strategy
LUPS	Land Use Planning System
LVIA	Landscape and Visual Impact Assessment
MDMG	Monadhliath Deer Management Group
Methodology	The specific approach and techniques used for a given study
MIR	Main Issues Report
Mitigation Measures	Measures including any process, activity or design process to avoid, reduce, remedy or compensate for adverse impacts of a development
MOD	Ministry of Defence
MSS	Marine Scotland Science
MW	Megawatt
NAL	Noise Assessment Location
NATS	The National Air Traffic Agency
NCAP	The National Collection of Aerial Photographs
NHZ	Natural Heritage Zone
NNR	National Nature Reserve
NPF3	National Planning Framework 3
NRHE	The National Record for the Historic Environment
NRTF	National Road Traffic Forecast
NSA	National Scenic Area
NTS	Non-Technical Summary
NVC	National Vegetation Classification
OHMP	Outline Habitat Management Plan
OS	Ordnance Survey
Otter Holt	A protected den used by otter for shelter, resting or breeding
OWESG	Onshore Wind Energy Supplementary Guidance
PAN	Planning Advice Note
PAT	Potential Aquila Territory
PDA	Proposed Development Area
Peat Hags and Gullies	Areas of overhanging or eroded peat forming extensive ravines or often bare peat
PMP	Peat Management Plan
PPG	Pollution Prevention Guidelines

Proposed Development	The Proposed Development is taken to be the description of: the location of the development; the physical characteristics of the wind farm and associated infrastructure; and temporary works such as compound areas, batching plant facilities, and borrow pits.
PSR	Primary Surveillance Radar
PSRA	Peat Slide Risk Assessment
PWS	Private Water Supply
QRA	Qualitative Risk Assessment
Ramsar Site	Wetland of international importance designated under the Ramsar Convention
RAP	Renewables Action Plan
RECMP	Regional Eagle Conservation Management Plan
Residual Effects	Effect of development after mitigation / embedded mitigation or design proposals are taken into account
RIGS	Regionally Important Geological Sites
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation – designated under Directive 92/42/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora (known as – The Habitats Directive)
SBL	Scottish Biodiversity List
SDMP	Strategic Deer Management Plan
Section 36	An application for development consent under Section 36 of the Electricity Act 1989
SEPA	Scottish Environment Protection Agency
SG	Supplementary Guidance
Significance	A measure of importance or gravity of the environmental effect, defined by significance criteria specific to the environmental topic
SLA	Special Landscape Area
SNH	Scottish Natural Heritage
SNIFFER	Scotland and Northern Ireland Forum for Environmental Research
SNP	Scottish National Party
SPA	Special Protection Area – designated under Directive 2009/147/EC on the Conservation of Wild Birds (the Birds Directive)
SPP	Scottish Planning Policy
SSE	Scottish and Southern Energy plc
SSE Renewables	SSE Renewables Development (UK) Limited, “the Developer”
SSEG	SSE Generation Ltd, “the Applicant”
SSNL	Site Specific Noise Limit

SSSI	Site of Special Scientific Interest – designated by SNH under the Nature Conservation (Scotland) Act 2004
SuDS	Sustainable Drainage System
TA	Technical Appendix
TA (Chapter 13)	Transport Assessment
THC	The Highland Council
TMP	Traffic Management Plan
TNL	Total ESTU-R-97 Noise Limit
TS	Transport Scotland
TV	Television
UK	United Kingdom
VP (Chapter 7)	Viewpoint
VP (Chapter 9)	Vantage Point
WCA	The Wildlife & Countryside Act 1981, as amended
WestPlan	West Highland and Islands Local Development Plan
WFD	Water Framework Directive
WLA	Wild Land Area
WTG	Wind Turbine Generator
WTW	Water Treatment Works
ZOI	Zone of Influence
ZTV	Zone of Theoretical Visibility – the computer-generated theoretical visibility of an object in the landscape

PREFACE

SSE Generation Limited (SSEG) “the Applicant” is applying under Section 36 of the Electricity Act 1989 for consent to construct Cloiche Wind Farm; a new onshore wind farm to generate renewable electricity from wind power.

This Environmental Impact Assessment (EIA) Report is submitted with the application in accordance with The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017 (the “2017 Regulations”).

The Proposed Development comprises a total of 36 turbines with a maximum tip height of 149.9 metres, and an installed capacity of over 150 megawatts, dependent on the rated power of the turbine model procured. The wind farm would be located adjacent to the operational Stronelaig Wind Farm and Glendoe Hydroelectric Scheme, approximately 11 kilometres to the south east of Fort Augustus.

The Applicant has prepared an EIA Report to accompany the application. The EIA Report contains the following volumes:

- Volume 1: Non-Technical Summary
- Volume 2: Main Report
- Volume 3: Figures
- Volume 3A: Landscape and Visual Photomontages (Scottish Natural Heritage Methodology)
- Volume 3B: Landscape and Visual Photomontages (The Highland Council Methodology)
- Volume 4: Technical Appendices
- Volume 5: Confidential Annex¹

Additional documentation that has been submitted with the Section 36 application for consent includes:

- Planning Statement; and
- Cover letter.

A copy of the EIA Report is available on the application website at www.sse.com/cloiche or on the Scottish Government Energy Consents website at www.energyconsents.scot.

Copies of the EIA Report may be obtained from SSE Generation Limited (contact: SSE Generation, FAO Carolyn Wilson, 1 Waterloo Street, Glasgow, G2 6AY or carolyn.wilson@sse.com) at a charge of £350 for a hard copy, or on electronic USB or DVD copies free of charge. Copies of a short Non-Technical Summary are also available free of charge.

Any representations in respect of the application may be submitted via the Energy Consents Unit website at www.energyconsents.scot/Register.aspx; by email to The Scottish Government, Energy Consents Unit mailbox at representations@gov.scot or by post, to The Scottish Government, Energy Consents Unit, 4th Floor, 5 Atlantic Quay, 150 Broomielaw, Glasgow, G2 8LU, identifying the proposal and specifying the grounds of representation.

Written or emailed representations should be dated, clearly stating the name of the project (in block capitals), full return email and postal address of those making representations. Only representations sent by email to representations@gov.scot will receive acknowledgement.

All representations should be received not later than the date falling 30 days from the date of the last published notice, although Ministers may consider representations received after this date.

¹ Comprising sensitive environmental information and supplied to relevant statutory and non-statutory bodies only.

Additional information which is submitted by the Applicant will be subject to further public notice in this manner, and representations to such information will be accepted as per this notice.

The EIA Report will be advertised in the following newspapers upon submission of the application:

- Edinburgh Gazette;
- The Herald; and
- The Inverness Courier.