



Bowshiel Solar Farm and Battery Energy Storage System (BESS)

EIA Report: Table of Contents, Glossary and Abbreviations

Department: ERM
Project: Bowshiel Solar Farm and BESS
Document Code: 0733784

May 2025



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Glossary of Terms and Abbreviations

AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
AC	Alternating Current
ALC	Agricultural Land Classification
Ancient Woodland	Land that is currently wooded and has been continually wooded, at least since 1750.
ACoW	Archaeological Clerk of Works
AIL	Abnormal Indivisible Load
AOD	Above Ordnance Datum
Applicant	Voltalia UK Ltd, the Developer
BAP	Biodiversity Action Plan
BBS	Breeding Bird Survey
BCT	Bat Conservation Trust
BESS	Battery Energy Storage System
BGS	British Geological Survey
BNG	Biodiversity Net Gain
BTO	British Trust for Ornithology
CA	Conservation Area
CAR	The Water Environment (Controlled Activities) (Scotland) Regulations 2011 as amended
CCCC	Cockburnspath and Cove Community Council
CCTV	Closed Circuit Television
CEMP	Construction Environmental Management Plan
CEnv	Chartered Environmentalist
CIEEM	Chartered Institute for Ecology and Environmental Management
CifA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CLVIA	Cumulative Landscape and Visual Impact Assessment
CMLI	Chartered Member of the Landscape Institute
CoPA	Control of Pollution Act

Core Path	A route designated by local authorities under the terms of the Land Reform (Scotland) Act 2003 with the purpose of providing a reasonable access network.
CRTN	Calculation of Road Traffic Noise
CTMP	Construction Traffic Management Plan
Cumulative Effects	Effects resulting from incremental changes caused by past, present or reasonably foreseeable future actions.
dB	Decibel – a logarithmic unit used to measure sound level.
dB(A)	A-weighted Decibel – a weighted scale for judging loudness that corresponds to the hearing threshold of the human ear.
DBA	Desk Based Assessment
DC	Direct Current
DMRB	Design Manual for Roads and Bridges
DNO	Distribution Network Operator
DWPA	Drinking Water Protected Area
EcIA	Ecological Impact Assessment
ECOW	Ecological Clerk of Works
ECU	Energy Consents Unit
Effect	The consequence of an impact.
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
EMF	Electromagnetic Fields
EIA Regulations	The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
EIAR	Environmental Impact Assessment Report
EPS	European Protected Species
FRA	Flood Risk Assessment
GCC	Grantshouse Community Council
GCN	Great Crested Newt
GDL	Gardens and Designed Landscapes
GI	Ground Investigation
GIS	Geographical Information Systems
GLVIA3	Guidelines for Landscape and Visual Impact Assessment
GPP	Guidance for Pollution Prevention

GVA	Gross Value Added
GW	Gigawatts
GWDTE	Groundwater Dependent Terrestrial Ecosystem
ha	Hectare
HER	Historical Environmental Record
HES	Historic Environment Scotland
HGV	Heavy Goods Vehicle
HMP	Habitat Management Plan
HRA	Habitat Regulations Appraisal
IEF	Important Ecological Feature
IEMA	Institute of Environmental Management and Assessment
IoA	Institute of Acoustics
Impact	The changes resulting from an action.
Inverter	Infrastructure converting DC electricity from the PV panels to AC for export from site.
JNCC	Joint Nature Conservation Committee
km	kilometre
LBAP	Local Biodiversity Action Plan
LBMP	Landscape and Biodiversity Management Plan
LCA	Landscape Character Area / Land Capability for Agriculture
LCT	Landscape Character Type
LB	Listed Building
LDP	Local Development Plan
LNR	Local Nature Reserve
LSE	Likely Significant Effect
LVIA	Landscape and Visual Impact Assessment
m	metre
Magnitude of Impact	The size or scale of change of an impact.
MCIEEM	Member of the Chartered Institute of Ecology and Environmental Management
MCIfA	Member of Chartered Institute for Archaeologists

Mitigation Measures	Any action or process designed to avoid, reduce or remedy potentially significant adverse effects of a development. Mitigation measures can be: Embedded Mitigation – mitigation by design and good practice measures (also known as primary and tertiary mitigation, respectively) Additional Mitigation – mitigation to address or reduce significant effects (also known as secondary mitigation)
MRTPI	Member of the Royal Town Planning Institute
MW	Megawatt
NBN	National Biodiversity Network
NCN	National Cycle Network
NCR	National Cycle Route
NGR	National Grid Reference
NS	NatureScot
NSR	Noise Sensitive Receptor
NNR	National Nature Reserve
NPF4	National Planning Framework 4
NTS	Non-Technical Summary
NVC	National Vegetation Classification
OS	Ordnance Survey
Proposed Development	A ground mounted solar PV development with generating capacity of up to approximately 165 MW (AC), Battery Energy Storage System (BESS) with a capacity of up to approximately 80 MW, associated infrastructure, access and landscaping.
PRoW	Public Rights of Way
PV	Photovoltaic
PWS	Private Water Supply
RBMP	River Basin Management Plan
Residual Effects	Effects that remain following implementation of mitigation measures.
RLB	Red Line Boundary
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation
SBC	Scottish Borders Council
Section 36 (S.36) application	An application for consent under Section 36 of the Electricity Act 1989

SEPA	Scottish Environment Protection Agency
Significance	A measure of the importance of the environmental effect as defined by the significance criteria specific to the environmental topic
Site	The extent of the Proposed Development as defined by the application boundary
SLA	Special Landscape Area
SM	Scheduled Monument
SMR	Sites and Monuments Record
Solar PV Array	A collection of solar PV panels mounted on a metal frame
SPA	Special Protection Area
SPL	Sound Power Level
SPP	Species Protection Plan
SRN	Strategic Road Network
SSSI	Site of Special Scientific Interest
Stakeholders	Individuals, groups and organisations that can be affected or have an interest in a project
Substation	Electrical infrastructure that enables electricity to be transmitted at different voltages
SuDS	Sustainable Urban Drainage System
Swept Path Analysis	The calculation and analysis of the movement and path of different parts of a vehicle when undertaking a turning manoeuvre
SWMP	Site Waste Management Plan
TSO	Transmission System Operator
TTRO	Temporary Traffic Regulation Order
TMP	Transport Management Plan
Transformer	Electrical equipment used to control the voltage of electricity generated across the site
UXO	Unexploded Ordnance
VP	Viewpoint (Landscape and Visual) / Vantage Point (Ornithology)
Visualisation	Computer generated image or photomontage used to illustrate the appearance of the Proposed Development from a particular location
WCA	Wildlife and Countryside Act
WFD	Water Framework Directive
WSI	Written Scheme of Investigation
WWII	World War Two

ZOI

Zone of Influence

ZTV

Zone of Theoretical Visibility