

GLOSSARY OF ABBREVIATIONS AND DEFINITIONS

Abbreviation	Expanded Term / Definition
AADT/F	Annual Average Daily Traffic/Flow
AEHO	Assistant Environmental Health Officer
AEP	Average Energy Production
AIL	Abnormal Indivisible Loads
Automatic Traffic Counter (ATC) data	Traffic volume data undertaken at locations by Transport Scotland and Shetland Islands Council
BAP	Biodiversity Action Plan
BBPP	Breeding Bird Protection Plan
BGS	British Geological Society
BNG	British National Grid
CAA	Civil Aviation Authority - The UK's specialist aviation regulator
CAR	Water Environment (Controlled Activities) (Scotland) Regulations 2011, as amended (CAR) by SEPA
CDM	Construction Design and Management
CEMP	Construction Environmental Management Plan
CEnv	Chartered Environmentalist
CfD	Contracts for Difference
CIEEM	Chartered Institute of Ecology and Environmental Management
CifA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
cLLA	Candidate Local Landscape Area - a proposed regional level landscape designation identified by Shetland Islands Council.
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide equivalent
Consented Viking Wind Farm	The 103 turbine scheme consented in 2012 with a maximum hub height of the 145m and a rotor diameter of 110m
Construction Phase	The period of time associated with the site preparation and construction of the development
Construction Traffic	Vehicles associated with site preparation and supply of plant and equipment, construction materials and labour during the construction phase. All these vehicles are expected to be less than 44 tonnes Gross Vehicle Weight
CRM	Collision rate modelling
dB	Decibel
DIO	Defence Infrastructure Organisation
DMRB	Design Manual for Roads and Bridges
DTM	Digital Terrain Model
DTT	Digital and Terrestrial Television
DVI	Disturbance Vulnerability Index (for red-throated diver breeding sites)

Abbreviation	Expanded Term / Definition
EclA	Ecological Impact Assessment
ECoW	Ecological Clerk of Works
ECU	Energy Consents Unit
EIA	Environmental Impact Assessment
EIA Report	Environmental Impact Assessment Report
EPS	European Protected Species
ES	Environmental Statement
GB	Great Britain
GDL	A landscape or garden included on the Inventory of Gardens and Designed Landscapes
GLVIA3	Guidelines for Landscape and Visual Impact Assessment (Third Edition) – Best practice guidance for undertaking LVIA.
Goods Vehicles	Light Goods Vehicles (LGV) under 7.5 tonne Gross Vehicle Weight; and Heavy Goods Vehicles (HGV) over 7.5 tonne Gross Vehicle Weight, but under 44 tonne Gross Vehicle Weight, operating within normal Construction & Use (C&U) Legislation. This excludes any vehicles designed or constructed to convey Abnormal Indivisible Loads under Special Types General Orders (1-3) or Special Order Permission Limits (i.e.: the turbines, blades and tower sections)
GVA	Gross added value
GDWTE	Groundwater Dependent Terrestrial Ecosystem
GWH	Giga-watt hours
HES	Historic Environment Scotland
HESPS	Historic Environment Scotland Policy Statement
HIAL	Highlands and Islands Airports Ltd
HMP	Habitat Management Plan
HVDC	high voltage direct current
Hz	Hertz
IEMA	Institute of Environmental Management and Assessment
IfA	Institute for Archaeologists
JRC	Joint Radio Company
kg	Kilogram
km	Kilo-metres
KPIs	Key Performance Indicators
kV	kilovolt
kWh	Kilo-watt hour
LCA	Landscape Character Area – An area defined within the Landscape Assessment of the Shetland Isles (Gillespies 1998) with a particular consistency of landscape character.
LNR	Local Nature Reserve
LVA	Landscape and Visual Appraisal – a high level review of potential landscape and visual effects with a focus on potential for significant effects.

Abbreviation	Expanded Term / Definition
LVIA	Landscape and Visual Impact Assessment – the assessment of the effects of a development on the existing landscape and visual amenity resource.
m	Metres
m ²	Metres squared
MBS	Moorland Bird Survey
MIEMA	Full membership of IEMA
MoD	Ministry of Defence
ms-1	Metres per second
MW	Megawatt
NAL	Noise Assessment Location
NATS	National Air Traffic Services
NERL	NATS En Route Plc
NGET	National Grid Electricity Transmission Ltd
NML	Noise Monitoring Location
NNR	National Nature Reserve
NRHE	National Record of the Historic Environment (previously National Monuments Record of Scotland (NMRS))
NRTF	National Road Traffic Forecast
NSA	National Scenic Area – a national level designation applied to those landscapes considered to be of outstanding scenic value and requiring protection in the national interest.
NSL	NATS Services Ltd
NTS	Non-Technical Summary
NVC	National Vegetation Classification
Operational Phase	The period of time after construction has been completed, when the development has been commissioned and is producing electricity
PAN 45	Scottish Government (2002): Planning Advice Note 45
PMP	Peat Management Plan
PPP	Pollution Prevention Planning
PPS18	Department of Northern Ireland (2009): Practice Guidance for Planning Policy Statement 18
Proposed Varied Development	The variation to the Consented Viking Wind Farm which proposes an increased hub height from 145m to 155m and an increased rotor diameter from 110m to 120m
PWS	Private Water Supply
Ramboll	Ramboll Environment and Health UK Limited
RBMP	River Basin Management Plans
RCAHMS	Royal Commission on the Ancient and Historical Monuments of Scotland
RoS	Rest of Scotland
RoUK	Rest of United Kingdom
RoW	Rest of World
rpm	Revolutions per minute

Abbreviation	Expanded Term / Definition
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation
Sandwater Upgrade	Request for screening opinion for proposal to realign B9075 Sandwater Road for a distance of 2.26km between junction with A970 at Sandwater, westwards to the junction with the C class road to Upper Kergord (Ref. No: 2018/201/SCR)
SBRC	Shetland Biological Records Centre
SCADA	Supervisory Control and Data Acquisition
SEMP	Site Environmental Management Plan
SEPA	Scottish Environment Protection Agency
SHEP	Scottish Historic Environment Policy
SIC	Shetland Islands Council (the Planning Authority)
SMR	Sites and Monuments Record
SNH	Scottish Natural Heritage – Statutory body to advise government and planning officials on landscape and natural heritage issues.
SPA	Special Protection Area
SPP	Scottish Planning Policy
SSSI	Site of Special Scientific Interest
SuDS	Sustainable Drainage System
SWEAG	Shetland Windfarm Environmental Advisory Group
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the 1979 Act (Scheduled Monuments)	Scheduled Monuments (as protected by the Ancient Monuments and Archaeological Areas Act 1979)
the 1989 Act	Electricity Act 1989
the 1997 Act	Town and Country Planning (Scotland) Act 1997
the 1997 Act (Listed Buildings)	Category A Listed Buildings (as protected by the Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997)
the 2011 Act	Inventory Gardens and Designed Landscapes (as protected by the 1979 Act, as amended by the Historic Environment (Amendment) (Scotland) Act 2011)
the 2013 Regulations	Electricity Generating Stations (Applications for Variation of Consent) (Scotland) Regulations 2013
the 2017 EIA Regulations	Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
the Applicant	Viking Energy Wind Farm LLP
the ES	Environmental Statement for a 150 turbine wind farm in 2009
The ES Addendum	The Addendum to the 2009 ES that considered a scheme of 127 turbines
VP	Viewpoint
ZTV	Zone of Theoretical Visibility – a computer generated diagram which uses topographical information to illustrate areas within which views of a development may be theoretically obtained.