

GLOSSARY OF ABBREVIATIONS AND DEFINITIONS

Abbreviation	Expanded Term / Definition
ABC	Argyll and Bute Council
ABLWECS	Argyll and Bute Wind Farm Landscape Capacity Study 2017
ACE	Area Capacity Evaluation
ADT	Average Daily Traffic
AEP	Annual Exceedance Probability
AIP	Aeronautical Information Package
ALR	Abnormal Load Route
ALV	Abnormal load vehicle
AOD	Above Ordnance Datum
APQ	Area of Panoramic Quality – a regional level landscape designation identified by Argyll and Bute Council.
ARSG	Argyll Raptor Study Group
Ash	Ash Design and Assessment
ASPT	Average Score Per Taxon
ATC	Automatic traffic counts
BAP	Biodiversity Action Plan
BBPP	Breeding Bird Protection Plan
BCT	Bat Conservation Trust
BGS	British Geological Survey
BMWP	Biological Monitoring Working Party
BoCC	Birds of Conservation Concern
CAA	Civil Aviation Authority
CAP	Civil Aviation Publication
CAR	The Water Environment (Controlled Activities) (Scotland) Regulations 2011 as amended
CDM	Construction (Design and Management) Regulations (2015)
CEMP	Construction Environmental Management Plan
CEnv	Chartered Environmentalist
CHORD	Argyll and Bute Council's programme for regeneration and economic development
CIEEM	Chartered Institute of Ecology and Environmental Management
CifA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CITB	Construction Industry Training Board
CLVIA	Cumulative Landscape and Visual Impact Assessment – the assessment of the landscape and visual effects of the proposed development as an addition to a theoretical baseline including other wind farms which are operational, consented or the subject of an active planning application or appeal.

Abbreviation	Expanded Term / Definition
CO ₂	Carbon dioxide
Core Path	Recreational routes identified by Planning Authorities considered to provide the public reasonable access throughout their area.
CoWR	Control of Woodland Removal
CP	compensatory planting
CRAA	Collision Risk Analysis Area
CRM	Collision Risk Model
CRTN	Calculation of Road Traffic Noise
CSM	Conceptual Site Model
Cumulative Effects	Effects arising from the addition or combination of the proposed development with other reasonably foreseeable similar developments. May be experienced in combination, concurrently or sequentially.
CWS	County Wildlife Site
DAS	Design and Access Statement
Designated Landscape	Areas of landscape identified as being of importance at international, national or local levels, either defined by statute or identified in development plans or other documents.
dB	Decibel. A unit of level derived from the logarithm of the ratio between a value and a reference value typically used to describe acoustic quantities. The scale used is the decibel (dB) scale which extends from 0 to 140 decibels (dB) corresponding to the intensity of the sound level.
dB(A)	A-weighted decibel. A frequency weighting applied to noise levels to mimic the human ear's response to sound.
DECC	Department of Energy and Climate Change (now Department for Business Energy and Industrial Strategy (BEIS))
DfT	Department for Transport
DME	Distance Measuring Equipment
DMRB	Design Manual for Roads and Bridges
DTM	Digital Terrain Model
DVAR	Dynamic Volt-Amp Reactive
DVOR	Doppler Very High Frequency Omni-Range
EC	European Commission
EclA	Ecological Impact Assessment
ECoW	Ecological Clerk of Works
ECU	Energy Consents Unit
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
EIA Regulations	Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2000 and Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
EIA Report	Environmental Impact Assessment Report
EPS	European Protected Species
ES	Environmental Statement

Abbreviation	Expanded Term / Definition
EU	European Union
Existing Tangy I and II	Existing Tangy I and II Wind Farm (operational)
FCS	Forestry Commission Scotland
FES	Forest Enterprise Scotland
GDL	A landscape or garden included on the Inventory of Gardens and Designed Landscapes
GI	Ground Investigation
GIS	Geographical Information System
GLVIA3	Guidelines for Landscape and Visual Impact Assessment (Third Edition) – Best practice guidance for undertaking LVIA.
GMT	Greenwich Mean Time
GPG	Good Practice Guide
GPP	SEPA Guidance for Pollution Prevention 5 (2018 Edition)
GVA	Gross Value Added
GWDTE	Groundwater Dependent Terrestrial Ecosystem
ha	Hectare
HER	Historic Environment Record
Heritage Asset	Those parts of the historic environment that have significance and are worthy of consideration in planning matters are referred to as heritage assets. Heritage assets include standing, buried or submerged remains, buildings, parks and gardens and areas, sites and landscapes including designated sites and those identified by the local planning authority. World Heritage Sites, Scheduled Monuments, Listed Buildings, protected wreck sites, Inventory Gardens and Designed Landscapes, Inventory Battlefields and Conservation Areas are all heritage assets.
HES	Historic Environment Scotland
HESPS	Historic Environment Scotland Policy Statement (2016)
HGV	Heavy goods vehicle
HL	Hoare Lea
HLA	Historic Landscape Assessment
HMP	Habitat Management Plan
HSE	Health and Safety Executive
HSI	Habitat Suitability Index
ICAO	International Civil Aviation Organisation
ICOMOS	International Council on Monuments and Sites
IEA	Institute of Environmental Assessment
IEMA	Institute of Environmental Management and Assessment
IFP	Instrument Flight Procedure
IGDL	Inventory Garden and Designed Landscape
IOA	Institute of Acoustics
IOF	Important Ornithological Feature
JNCC	Joint Nature Conservation Committee

Abbreviation	Expanded Term / Definition
km	Kilometres
kph	Kilometres per hour
LCT	Landscape Character Type – An area defined within the Landscape Assessment of Argyll and the Firth of Clyde (ERM 1996) with a particular consistency of landscape character.
LDP	Local Development Plan
LMP	Land Management Plan
LNR	Local Nature Reserve
LTFP	Long Term Forest Plan
LUPS-GU31	SEPA Guidance on Assessing the impacts of Development Proposals on Groundwater Abstractions and Groundwater Dependent Terrestrial Ecosystems (2017 Edition)
LVIA	Landscape and Visual Impact Assessment – the assessment of the effects of a development on the existing landscape and visual amenity resource.
m	Metre
m ²	Metres squared
m ³	Metres cubed
Magnitude (of change)	A term that combines judgements about the size and scale of the effect, the extent of the area over which occurs, whether it is reversible or irreversible and whether it is short or long term in duration
Methodology	The specific approach and techniques used for a given study
Mitigation by design	Embedded mitigation, changes made as a consequence of the design process
Mitigation measures	Measures including any process, activity or design process to avoid, reduce, remedy or compensate for adverse impacts of a development.
MIEMA	full membership of Institute of Environmental Management and Assessment
MOD	Ministry of Defence
mph	miles per hour
MS	Mountaineering Scotland
MSA	Minimum Safe Altitude
MSS	Marine Scotland Sciences
MW	megawatt
NBN	National Biodiversity Network
NCI	Nature Conservation Importance
NDB	Non-Directional Beacon
NDRs	Non-Domestic Rates
NHZ	Natural Heritage Zone
NIEA	Northern Ireland Environment Agency
NMRS	National Monuments Record of Scotland
NNR	National Nature Reserve
NO ₂	nitrogen dioxide

Abbreviation	Expanded Term / Definition
NPF3	National Planning Framework 3
NRHE	National Record of the Historic Environment
NRW	Natural Resources Wales
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.
NSR	Non-Statutory Register
NTEM	National Trip End Model
NTS	Non-Technical Summary
NVC	National Vegetation Classification
OEMP	Outline Ecological Management Plan
OHS	Outer Horizontal Surface
OLS	Obstacle Limitation Surface
OS	Ordnance Survey
OSGB	Ordnance Survey of Great Britain
PACR	Pre-Application Consultation Report
PAN	Planning Advice Note
PAWS	Plantations on Ancient Woodland Sites
PM ₁₀	Particulate matter
PMP	Peat Management Plan
PPS18	Best Practice Guidance for Planning Policy Statement 18 Renewable Energy (Department of Environment Northern Ireland, 2009)
PSI	Percentage Silt Tolerance
PSR	Primary Surveillance Radar
PSRA	Peat Stability Risk Assessment
PWS	Private Water Supply
Ramboll	Ramboll Environmental and Health UK Limited
RCAHMS	Royal Commission on the Ancient and Historical Monuments of Scotland
REAP	Renewable Energy Action Plan
Rebar	Steel reinforcement
Repowering	In the context of the Tangy IV wind farm, repowering is used to describe the process of decommissioning existing turbines and their replacement with new turbines, both within the existing site and extending the site by increasing the footprint to include neighbouring land ownerships and by increasing the tip height and generation capacity.
Residual Effects	Effect of development after mitigation/mitigation by design or design proposals are taken into account.
RSPB	Royal Society for the Protection of Birds
RTCs	Road traffic collisions
SAC	Special Area of Conservation
SCADA	Supervisory control and Data Acquisition
SEPA	Scottish Environmental Protection Agency

Abbreviation	Expanded Term / Definition
Setting	Setting is more than the immediate surroundings of a site or building, and may be related to the function or use of a place, or how it was intended to fit into the landscape of townscape, the view from it or how it is seen from areas round about, or areas that are important to the protection of the place, site or building (SPP 2014).
SFAL	Shadow flicker assessment location
SFCC	Scottish Fisheries Coordination Centre
SG	Supplementary Guidance
SHEP	Scottish Historic Environment Policy
SI	Site investigation
Significance	A measure of importance or gravity of the environmental effect, defined by significance criteria to the environmental topic
SLA	Special Landscape Area - a regional level landscape designation identified by North Ayrshire Council.
SM	Scheduled Monuments
SMR	Scottish Sites and Monuments Record
SNCI	Site of Nature Conservation Importance
SNH	Scottish Natural Heritage – Statutory body to advise government and planning officials on landscape and natural heritage issues.
SNIFFER	Scottish and Northern Ireland Forum for Environmental Research
SNWI	Semi-natural woodland inventory, a non-statutory designated site
SPA	Special Protection Area
SPAD	The Scottish Palaeoecological Database
SPG	Supplementary Planning Guidance
SPP (Planning)	Scottish Planning Policy (2014 Edition)
SSE	Scottish and Southern Energy
SSE Renewables	SSE Renewables Developments (UK) Limited
SSEG	SSE Generation Ltd
SSEPD	Scottish and Southern Energy Power Distribution
SSR	Secondary Surveillance Radar
SSSI	Site of Special Scientific Interest
SWMP	Site Waste Management Plan
Tangy III	Consented Tangy III Development, August 2018
TEMPRO	Trip End Model Presentation Program
The 1989 Act	Electricity Act 1989
The 2017 EIA Regulation	Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2017
The applicant	SSE Generation Limited, the Developer
The proposed development	Proposed Tangy IV Wind Farm Development – repowering the site by decommissioning the existing 22 turbines and replacing them with a 16 turbine wind farm with a maximum tip height up to, but not exceeding 149.9 m
TMP	Traffic Management Plan

Abbreviation	Expanded Term / Definition
TPO	Tree Preservation Order
UKBAP	UK Biodiversity Action Plan
UKFS	UK Forestry Standard
VP (Landscape and Visual)	Viewpoint
VP (Ornithology)	Vantage Point
WFD	Water Framework Directive
Wireline/wireframes	A computer-generated line drawing of the DTM and the proposed development from a known location.
WLA	Wild Land Area – Areas defined by SNH as comprising the greatest and most extensive areas of wild characteristics within Scotland.
WoSAS	West of Scotland Archaeology Service
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.

