



SP MANWEB

The North Wales Wind Farms Connection Project

Environmental Statement Glossary

Application reference: EN020014

March 2015



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The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 – Regulation 5(2)(a)

The Planning Act 2008

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Regulation 5(2)(a)

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NORTH WALES WIND FARM CONNECTION

GLOSSARY

132kV Overhead Line	132,000 volts overhead line from the Collector Substation to the Terminal Point
Above Ordnance Datum (AOD)	Elevation of land above sea level (at Newlyn)
Agricultural Land Classification (ALC)	The classification system used by the Department for Environment Food and Rural Affairs based on its quality and versatility. The classification ranges from Grade 1 (the best and most versatile) through Grades 2, 3a, 3b, 3 c and 4, down to Grade 5 (least versatile)
Agri-environment scheme / agreement	A UK government undertaking in which farmers are paid to farm in an environmentally sensitive way
Alluvium	Material transported by rivers and deposited along its course
Air Quality Management Area (AQMA)	Declared by local authorities for areas where objectives specified in the national Air Quality Strategy are not predicted to be met
Air Quality Action Plan (AQAP)	Produced by local authorities for AQMAs, setting out measures to improve air quality
Ancient Semi-Natural Woodland (ASNW)	Woodland composed of native tree species that have not obviously been planted
Aquifer	A body of permeable rock that is capable of storing significant quantities of water; is undertaken by impermeable material, and through which groundwater moves
Area of Outstanding Beauty (AOB)	Non statutory designation to categorise sensitive landscapes - designated by Denbighshire County Council
Area of Outstanding Natural Beauty (AONB)	An area designated under the National Parks and Access to Countryside Act 1949 for its particularly attractive landscape and unspoilt character, which should be protected and enhanced as part of the national heritage
Area of Search	The term given to a wide area within which the route corridors are identified and for the purposes of the Proposed Development is shown on the Location Plan (document reference 2.1)
Assessment of the Significance of Impacts of Development on Historic Landscape areas (ASIDOHL)	A method of assessment of the effect of a development on Historic Landscapes
Associated Development	Development which is associated with a Nationally Significant Infrastructure Project as defined by the Planning Act 2008

Authority	The Gas and Electricity Markets Authority established under Section 1 of the Utilities Act 2000
Baseline	Existing environmental conditions which are described in the ES
Best and most versatile (BMV)	Defined by the ALC as Grades 1, 2 and 3a. Provisional reclassification has removed sub-classifications within Grade 3, considering Grades 1 and 2 as 'Best and Most Versatile' (BMV) land
Biodiversity	The variety and abundance of species, their genetic composition, and the natural communities, ecosystems, and landscapes in which they occur
Biodiversity Action Plan (BAP)	A strategy for conserving and enhancing wild species and wildlife habitats in the UK. Now replaced by Country Biodiversity Strategies
British Trust for Ornithology (BTO)	
Broad Route Corridor(s)	Initial strategic corridors identified for the Proposed Development and shown on Figure 3.1 in the ES (document reference 6.16)
Cable	An insulated conductor designed for laying underground
Cadw	The historic environment service of the Welsh Government
Collector Substation	The new collector substation which will be located in the Clocaenog Forest and will connect the wind farms into the electricity distribution network
Conductor	Overhead wire(s) attached to wood poles which conduct electricity
Connection and use of system code (CUSC)	Defined within Transmission Licence Standard Conditions. Condition C1 and C10 states the meaning of the Connection and Use of System Code (CUSC) as: The licensee shall establish arrangements for connection and use of system in respect of matters which, other than those to which standard conditions C14 (Grid Code) and C5 (Use of system charging methodology) to C9 (Functions of the Authority) relate are calculated to facilitate the achievement of the following objectives: (a) the efficient discharge by the licensee of the obligations imposed upon it under the Act and by this licence; (b) facilitating effective competition in the generation and supply of electricity, and (so far as consistent therewith) facilitating such competition in the sale, distribution and purchase of electricity; and (c) compliance with the Electricity Regulation and any relevant legally binding decision of the European Commission and/or the Agency
Conservation Area	Designated by local authorities on account of their special architectural or historic interest, the character and appearance of which it is intended to preserve and enhance
Construction	Sets out management measures required of contractors for

Environmental Management Plan (CEMP)	any construction works associated with the Proposed Development
Construction phase	Is when preparatory works or construction works are taking place until commissioning of the Proposed Development
Consultation Corridors	100m wide corridor(s) within which 132 kV Overhead Line could be constructed and which were the subject of pre-application consultation pursuant to the Planning Act 2008
Consultation zone	For the purpose of the pre application consultation pursuant to the Planning Act 2008 a broad geographic consultation zone was defined and is shown in Appendix 7.1 of the Consultation Report (document reference 5.2.1)
Countryside and Rights of Way Act (CROW)	Act, dated 2000, which provides for public access on foot to certain types of land
Cumulative Effects	The effects of other development schemes (whether under construction, consented, or there are firm proposals for) assessed cumulatively with the Proposed Development and the Wider Scheme. These effects can be temporal (e.g. construction phases occur at the same time) or spatial (e.g. the same area is affected)
Decibel (dB)	The scale on which sound pressure level is expressed. It is defined as 20 times the logarithm of the ratio between the root-mean-square pressure of the sound field and a reference pressure ($2 \times 10^{-5} \text{Pa}$)
Decommissioning phase	The final phase of the Proposed Development covering all activities to remove the Proposed Development from the environment once it is no longer in operational use and the undertaking of restoration works
Designated area	Area designated and protected by national or international law for its landscape, biodiversity, or historic interest
Development Consent Order (DCO)	The order made when an application has been made pursuant to section 37 of the Planning Act 2008 for a NSIP and the Secretary of State determines that the order should be made
Distribution Code	A code required to be prepared by a DNO pursuant to condition 9 (Distribution Code) of a Distribution Licence and approved by the Authority as revised from time to time with the approval of, or by the direction of, the Authority.
Distribution Licence	A distribution licence granted under Section 6(1)(c) of the Act.
Distribution Network Operator (DNO)	Distribution Network Operators own and operate the electricity distribution network that brings electricity from the national transmission network to the consumer. SP Manweb is the DNO for North and Mid Wales, Cheshire and Merseyside
Easement	Allowing another person to use your land for a specific purpose, such as installing utilities
Ecological Impact Assessment (EclA)	Ecological Impact Assessment is part of an EIA and assesses the potential effects of a development on habitats and species, particularly those protected national and international

	legislation or considered to be of particular nature conservation importance
Electromagnetic Fields (EMFs)	Electric and magnetic fields generated by electricity
Electricity Act 1989 (The 1989 Act)	The Electricity Act 1989 (as amended by the Utilities Act 2000 and the Energy Act 2004)
EN-1	National Policy Statements set out national policy against which proposals for major infrastructure projects will be assessed and decided by the Secretary of State. EN-1 is the Overarching National Policy Statement for Energy
EN-5	National Policy Statements set out national policy against which proposals for major infrastructure projects will be assessed and decided by the Secretary of State. EN-5 is the National Policy Statement for Electricity Networks Infrastructure
Environment Agency Wales (EAW)	Environment Agency Wales, now part of NRW, was the environmental regulator for Wales
Environmental Impact Assessment (EIA)	A statutory process whereby a project is assessed through the collection and consideration of environmental information with the aim of taking account of the predicted effects of the proposed development on the environment in the decision making process. The findings are published in an Environmental Statement
Environmental Statement (ES)	Report documenting the outcome of an Environmental Impact Assessment
Environmentally Sensitive Area (ESA)	An agricultural area which needs special protection because of its landscape, wildlife or historic value
Final Route Alignment	Current pole positions along the centreline of the Limits of Deviation identified following consultation, technical and environmental appraisal
Flood Consequence Assessment (FCA)	Required for developments in flood zones. It is an assessment of the potential impact of a development on flooding
Flood Zone (FZ)	Areas at risk of flooding, divided into subcategories / zones
Floodplain	The area that would naturally be affected by flooding if a river rises above its banks
Grid Code	The code which NGC is required to prepare under its Transmission Licence and have approved by the Authority as from time to time revised with the approval of, or by the direction of, the Authority.
Grid Supply Point (GSP)	Any point at which electricity is delivered from the National Electricity Transmission System to the DNO's Distribution System
Groundwater	Water flowing through or contained beneath the ground surface

Guidelines for Landscape and Visual Impact Assessment (GVLIA)	Guidelines for Landscape and Visual Impact Assessment (Third Edition) published by the Landscape Institute and Institute of Environmental Management & Assessment
Habitat Suitability Index (HSI)	A numerical index that represents the capacity of a given habitat to support a selected species. Most commonly used for great crested newts
Habitats Directive	EC Directive on the conservation of natural habitats of Wild Fauna and Flora (92/43/EEC)
Habitats Regulations Assessment (HRA)	Assessment undertaken of the impacts of a project on Natura 2000 sites in accordance with the requirements of The Conservation of Habitats and Species Regulations 2010
Heavy Goods Vehicle (HGV)	A good vehicle greater than 3.5 tonnes gross weight
Historic Environment Record (HER)	A register of known archaeological sites, monuments and finds
Holford Rules	A series of planning guidelines for the routeing of overhead lines first developed in 1959 by Lord Holford, advisor to the then Central Electricity Generating Board (CEGB) on amenity issues. They were reviewed in the 1990s by National Grid
Institute for Archaeologists (IfA)	The Chartered Institute for Archaeologists
Insulator	Used to safely connect the conductors to wood poles or pylons
International Commission on Non-Ionizing Radiation Protection (ICNIRP)	Provides scientific advice and guidance on the health and environmental effects of non-ionizing radiation
kV	kilovolt (1000 volts)
LANDMAP	LANDMAP a tool developed by CCW (now NRW) to assess the diversity of all landscapes within Wales, identifying and explaining the characteristics and qualities
Landscape and Visual Impact Assessment (LVIA)	Assessment methodology used to assess the potential effects of a proposed development on the landscape
Landscape Character Assessment (LCA)	A standard methodology for identifying, describing, classifying and mapping what is distinctive about our landscapes
Landscape Institute (LI)	The Chartered Institute for Landscape Architects
Light Goods Vehicle (LGV)	Goods vehicles not exceeding 3.5 tonnes gross vehicle weight

Limits of Deviation (LoD)	Works 1A and 1B of the Proposed Development will be carried out within Limits of Deviation which are shown on the Works Plans. The LoD provide a degree of flexibility which is required because following the making of the DCO, micro-siting may take place in response to detailed technical survey information, particularly for unconfirmed ground conditions and / or minor alterations requested by landowners LoD have been defined laterally and vertically
Listed Building	A building of special architectural or historic interest which has been included on a list approved by the Secretary of State under the Planning (Listed Buildings and Conservation Areas) Act 1990 (known as the 'Statutory List of Buildings of Special Architectural or Historic Interest'). Buildings are classified in grades (I, II* and II) and to show their relative importance
Local Biodiversity Action Plan (LBAP)	A set of action plans for habitats and species
Local Development Plan (LDP)	A statutory document which guides future development
Local Nature Reserve (LNR)	A site with features of nature conservation interest controlled by a local authority
Local Planning Authority	Is defined by S.1 of the Town and Country Planning Act 1990 and, in the case of the Proposed Development is Denbighshire County Council and Conwy County Borough Council
Local Wildlife Site (LWS)	Sites identified and selected for their local nature conservation value
Magnitude of potential effect	The degree of change that a receptor is anticipated to experience as a result of the Proposed Development
Megawatts (MW)	Energy generated by wind farms is described in MW
Mitigation	Measures to avoid, reduce and offset environmental effects
National Grid Reference (NGR)	A system of grid references used in Great Britain
National Monuments Record (NMR)	Unscheduled archaeological sites and features recorded by Cadw
National Nature Reserve (NNR)	A protected area of importance for wildlife, flora, fauna reserved and managed for conservation
National Policy Statements (NPS)	Sets out national policy against which proposals for major infrastructure projects will be assessed and decided by the Secretary of State
National Vegetation Classification (NVC)	Classification and description of the plant communities of Great Britain
Nationally Significant Infrastructure	Means a project designated under the Planning Act 2008

Project (NSIP)	
Natura 2000 sites	A European-wide network of sites protected under the Habitats and Birds Directives, and made up of Special Areas of Conservation and Special Protection Areas
Natural Resources Wales or Cyfoeth Naturiol Cymru	An amalgamation of CCW, EAW and Forestry Commission Wales, operational from 1st April 2013
NGC	National Grid Electricity Transmission plc
Nitrate Vulnerable Zones (NVZ)	Areas where land drains and contributes to the nitrate found in "polluted" waters
North Wales Wind Farms Connection	Means the Proposed Development and the Wider Scheme
NSP	Noise sensitive premises
Order Limits	Means the limits shown on the works plans within which the Proposed Development may be carried out
Palaeo-channel	Ancient relict watercourse
Permitted Development	Part III of the Town and Country Planning Act provides that the Secretary of State may grant planning permission by way of development order. The principal development order is the Town and Country Planning (General Permitted Development) Order 1995 which provides that planning permission for certain developments is granted subject to specified conditions. It provides specified permitted development rights for statutory undertakers
Persons with an Interest in the Land (PILS)	Section 57 of the Planning Act 2008 defines persons with an Interest in the Land which includes: (1) owners, lessees, tenants or occupiers of land; (2) persons with an interest in land or who have a power to sell land or to release land; and (3) persons who may be able to make a claim for compensation as a result of the DCO being made and implemented.. Land for these purposes means land to which the application for development consent relates
Photomontage	A collection of images used to create an overall image. The objective of a photomontage is to simulate the likely visual changes that would result from the Proposed Development, and to produce printed images of a size and resolution sufficient to match the perspective in the same view as would occur in reality
Planning Act 2008 (the Act)	The legislation for Nationally Significant Infrastructure Projects and the requirements for development consent
Planning Inspectorate (PINS)	The Planning Inspectorate administers the examination of applications for development consent
Planning Policy Wales (PPW)	The document that sets out the Welsh Government's policies on different aspects of land use planning

Preferred Route Corridor	Is identified as the preferred route corridor for the Proposed Development and is set out in the Route Corridor Study
Preliminary Environmental Information Report (PEIR)	The report of the initial environmental impact assessment findings for the Proposed Development
Prescribed Consultees	Means persons to be consulted pursuant to the Planning Act 2008 and set out in Schedule 1 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009
Proposed Development	The 132kV Overhead Line together with required pedestrian and vehicular accesses, temporary construction compound, construction laydown areas, mitigation planting and other integral works
PRoW	Public Right of Way which is a footpath or track over which the public have a right of access
Ramsar sites	Wetlands of international importance designated under the Ramsar Convention (Convention on Wetlands of International Importance, especially as Waterfowl Habitats) (1971) and ratified in the UK in 1976). The convention was held in the town of Ramsar, Iran
Red Data book	The IUCN (International Union for Conservation of Nature) Red List of threatened bird species categorised as Extinct, Extinct in the Wild, Critically Endangered, Endangered, Vulnerable, Near Threatened or Least Concern
Regionally Important Geological Site (RIGS)	Designated sites of local, regional and national importance for geodiversity in the UK
Registered Park and Garden (RPG)	Parks and gardens which have been classified by grade to show their relative importance: Grade I – international historic interest, Grade II* - exceptional historic interest, Grade II – national historic interest
Reinstatement	The actions undertaken to return a temporary working area to its previous condition, as far as reasonably practicable
Requirement	A requirement in Schedule 2 of the Development Consent Order
Residual effects	Effects remaining after mitigation measures have been taken into account
Route corridor	Search area used to provide a degree of flexibility in which to develop a route alignment, usually approximately 1km wide and shown in respect of the Proposed Development in Figure 3.1 of the ES (document reference 6.16)
Route Corridor Study (RCS)	An appraisal to identify potential route corridors within a defined study area
Royal Commission on the Ancient and	Records and interprets built and landscape heritage

Historical Monuments of Wales (RCAHMW)	
Royal Society for the Protection of Birds (RSPB)	Large nature conservation charity
Scheduled Ancient Monument	An archaeological site of national importance, which is included on a schedule compiled by the Secretary of State for National Heritage under the terms of the Ancient Monuments and Archaeological Areas act 1979 (as amended by the National Heritage Act 1983)
Scoping	An early stage within the Environmental Impact Assessment (EIA) process where the scope of the environmental studies are determined
Scoping Opinion	A person who makes an application for an order granting development consent may ask the Secretary of State his opinion as to the information to be provided in an ES and this is known as a Scoping Opinion
Scoping Report	The scoping report prepared by SP Manweb and submitted to the Secretary of State to support its application for a Scoping Opinion
Screening	Initial process by which project proposals are assessed to decide whether they require a formal Environmental Impact Assessment
Secretary of State (SOS)	The Secretary of State for Energy and Climate Change
Significance	The significance of effects considers the value (or sensitivity) of the receptor and the magnitude and likelihood of potential effects
Site of Importance for Nature Conservation (SINC)	Sites of substantive local nature conservation value
Site of Special Scientific Interest (SSSI)	An area of land of special interest by reason of its flora, fauna, geology or physiographical features notified under Section 28 of the Wildlife and Countryside Act 1981
Sites and Monuments Record (SMR)	List of known archaeological sites
Source Protection Zone (SPZ)	A zone surrounding an aquifer where the contamination of the groundwater flow due to surface spills could pollute the aquifer
SP Manweb	The DNO for North and Mid Wales, Cheshire and Merseyside. The promoter of the Proposed Development
Special Area of Conservation (SAC)	Sites chosen to conserve the natural habitat types and species of wild flora and fauna listed in Annex I and II of the Habitats Directive. They are the best areas to represent the range and variety of habitats and species within the European Union.

Special Landscape Area (SLA)	Non statutory designation to categorise sensitive landscapes - designated by Conwy County Borough Council
Special Protection Area (SPA)	Area designated under article 4 of the European Communities Council Directive on Conservation of Wild Birds for the protection of particularly sensitive bird species, or for regularly migrating birds: to help protect and manage areas which are important for rare and vulnerable birds because they use them for breeding, feeding, wintering or migration
St Asaph Substation	Means the substation located in St Asaph and which the North Wales Wind Farms Connection will connect into
Statement of Community Consultation (SOCC)	A statement setting out how the applicant proposes to consult the local community in respect of the Proposed Development and as required by section 47 of the Planning Act 2008
Statutory consultees	Organisations that SP Manweb is required to consult by virtue of the Planning Act 2008
Statutory undertakers	Companies with regulatory powers and duties, such as gas, electricity, water and transport providers / transmitters
Strategic Options Report (SOR)	Sets out the initial technical options for the Proposed Development, and an appraisal of each option identifying the preferred technical option for the Proposed Development
Strategic Search Area (SSA)	Associated with Welsh Government Technical Advice Note 8
Substation	Generated electricity is fed into the electrify distribution network through substations. Substations control the flow of power through the network by means of transformers and switchgear, with facilities for control, fault protection and communications
Technical Advice Note (TAN)	Welsh Government Technical Advice Notes provide supplementary guidance document on a number of planning policy matters. Welsh Government Technical Advice (TAN) 8: Planning for Renewable Energy (2005) sets out renewable energy, planning, technologies and design considerations
Terminal Point	Location at which the 132 kV Overhead Line terminates and is shown on Work Plan Sheet 13 (document reference 2.3.13)
The Wider Scheme	The Wider Scheme incorporates the Collector Substation, underground cables from the Terminal point to St Asaph Substation, proposed works at St Asaph Substation, temporary storage areas within St Asaph Substation and the Collector Substation and diversions of existing lower voltage overhead line crossings
Traffic Impact Assessment	Examines the potential impact of a development on the surrounding transport network
Tree Preservation Order (TPO)	Made by a local planning authority if it appears that it is expedient in the interests of amenity to make provision for the preservation of trees or woodlands in their area in order to protect such trees, groups of trees or woodlands as may be

	specified in the order
Undergrounding	Electricity cables laid underground
United Kingdom Biodiversity Action Plan (UKBAP)	Describes biological resources and provides detailed plans for conservation
United Kingdom Habitat Action Plan (UKHAP)	Describes habitats and provides detailed plans for conservation
Vantage Point Survey (VPS)	A survey method designed to record flight activity of bird species
Wales National Monument Record (WNMR)	Cadw National Monuments Record of sites and events
Wind Farms	the four wind farms at Nant Bach, Derwydd Bach, Clocaenog Forest and Brenig
Wireframe	Computer generated line drawing based on a digital terrain model, that illustrates the three dimensional shape of the landscape and any features within it
Wood poles	Wooden poles used to support an overhead electricity line (either single or double)
World Health Organisation (WHO)	The United Nations public health arm
Written Scheme of Investigation (WSI)	A method statement setting out archaeological investigations
Zone of Theoretical Visibility (ZTV)	A map which illustrates the potential (or theoretical) visibility of a development