



Candwr Solar Farm

Pre Application Consultation

Environmental Statement

Chapter 14: Glossary and Acronyms

2 July 2026



14. Glossary & Acronyms

Acronym	Definition
AADT	Annual Average Daily Traffic – The average number of vehicles passing a point on the road network per day over a full year, expressed as a two-way flow
AIA	Arboricultural Impact Assessment
AIL	Abnormal Indivisible Load – a large or heavy load that cannot be divided into smaller parts for transport.
AM	Morning Peak Period
AOD	Above Ordnance Datum
Agricultural Land Classification (ALC)	System for grading agricultural land quality based on climate, soil and site characteristics.
ATC	Automatic Traffic Count – a survey method that records traffic volumes automatically over time.
Alternative Designs	Earlier design iterations considered based on constraints, opportunities, and environmental feedback
Applicant	Candwr Solar Farm Lts, the party seeking outline planning permission for the Proposed Development.
Application Site	Land at Court Farm, Ponthir, Monmouthshire measuring approximately 131.62 hectares.
AQ	Air Quality
AQMA	Air Quality Management Area – an area designated by a local authority where air quality objectives are exceeded
Arable Farming	Farming focused on growing crops.
Baseline Conditions	The existing environmental conditions against which the likely significant effects of the Proposed Development are assessed.
Best and Most Versatile (BMV) Land	High-quality agricultural land (ALC Grades 1, 2 and 3a) protected by planning policy.
BGS	British Geological Survey – the UK’s national body for geological data and mapping.
Built Heritage Asset	A building, structure, monument or place of historic, archaeological or architectural interest.

Acronym	Definition
BS	British Standard
BSI	British Standards Institution
BS5837	British Standard 5837:2012 (Trees in relation to design, demolition and construction)
CEMP	Construction Environmental Management Plan – A document that sets out measures to manage and mitigate environmental impacts during the construction phase, including construction traffic routing and controls.
CIEEM	Chartered Institute of Ecology and Environmental Management – professional body providing ecological guidance.
Conservation Area	Designated area of special architectural or historic interest where character is preserved or enhanced.
Competent Expert	Specialists who prepare the ES in accordance with EIA Regulations, ensuring quality and expertise.
CTMP	Construction Travel Management Plan – document setting out how construction traffic will be managed.
Cumulative Effects	The combined effects of the Proposed Development with other existing or approved developments.
DAS	Design Access Statement
DBA	Desk-Based Assessment
Decommissioning	The process of removing infrastructure and restoring a site at the end of its operational life.
DEFRA	Department for Environment, Food and Rural Affairs – UK government department responsible for environmental policy.
Designated Heritage Asset	Heritage asset that has statutory protection (e.g. listed building, scheduled monument).
DESNZ	Department for Energy Security and Net Zero – UK government department responsible for energy policy.
Development Parameters	Limits that define aspects of the development capable of having significant environmental effects
DMRB	Design Manual for Roads and Bridges
DNS	Development of National Significance – Welsh planning regime.
Driver Delay	Delays experienced by vehicle drivers, typically assessed at junctions, where traffic demand approaches or exceeds available capacity.

Acronym	Definition
Dust Soiling	Deposition of dust on surfaces (e.g. buildings, vegetation), affecting amenity.
EIA	Environmental Impact Assessment – A process to identify likely significant environmental effects by comparing existing conditions with predicted conditions during and after development
Embedded Mitigation/ Mitigation by Design	Design changes directly into the layout incorporated early to avoid or reduce environmental effects.
EPUK	Environmental Protection UK – organisation providing air quality guidance.
ES	Environmental Statement – A document that sets out the findings of an Environmental Impact Assessment (EIA) for a proposed development.
Farm Business	An agricultural enterprise managing land for economic production.
F&I	Fear and Intimidation – An environmental effect relating to the perceived impact of traffic on pedestrians, cyclists and other road users, influenced by traffic volume, speed and composition.
FCA	Flood Consequence Assessment
FP	Footpath (Public Rights of Way numbering)
GI	Green Infrastructure
Glare	Continuous reflection of sunlight from a reflective surface that can cause visual discomfort.
Glint	Momentary flash of reflected sunlight from a surface (e.g. solar panels).
GLIVA (3)	Guidelines for Landscape and Visual Impact Assessment, Third Edition
ha	Hectare
HDV	Heavy Duty Vehicle
HGV	Heavy Goods Vehicle
IEMA	Institute of Environmental Management and Assessment
ISEP	Institute of Sustainability and Environmental Professionals

Acronym	Definition
LAQM	Local Air Quality Management – UK framework requiring local authorities to monitor and manage air quality.
LCA	Landscape Character Area
LCT	Landscape Character Type
LDP	Local Development Plan – statutory land-use planning document for a local authority area.
LDV	Light Duty Vehicle
LEMP	Landscape and Ecological Management Plan
LERC	Local Environmental Records Centre – provider of species and habitat data (e.g. SEWBRReC).
LHA	Local Highway Authority
Listed Building	Building included on the statutory list for its special architectural or historic interest.
LITGN	Landscape Institute Technical Guide Note
LNR	Local Nature Reserve – locally designated site for nature conservation.
LPA	Local Planning Authority
LV	Light Vehicle – A vehicle with a gross weight of 3.5 tonnes or less, including cars and light goods vehicles.
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site
Made Ground	Previously disturbed ground identified locally on the Site.
Magnitude of Effect	The scale or severity of change likely to result from the Proposed Development.
MAGIC	Multi-Agency Geographic Information for the Countryside
MCC (Authority)	Monmouthshire County Council – local planning authority.
MCC (Survey)	Manual Classified Count – traffic survey identifying vehicle types
Mitigation	Measures proposed to avoid, reduce, or offset adverse environmental effects.
MW	Megawatt – unit of energy output.
NCA	National Character Area
NCC	Newport City Council – local planning authority.

Acronym	Definition
NGR	National Grid Reference
'No Development' Alternative	Assumes the Site remains as existing; used for environmental comparison.
Non-Designated Heritage Asset	Heritage asset identified as having local significance but without statutory designation.
NMU	Non-Motorised User – Road users who are not travelling by motor vehicle, including pedestrians, cyclists and equestrians.
NO ₂	Nitrogen Dioxide – pollutant primarily emitted from road traffic.
NNR	National Nature Reserve – nationally important conservation site.
NRMM	Non-Road Mobile Machinery – construction equipment not used on public roads (e.g. excavators).
NTS	Non-Technical Summary – A concise summary of the ES intended to be easily understood by the public.
OS	Ordnance Survey
Parameter Plans	Illustrates the fixed constraints and development principles for a project. For this project it includes land use, access/movement, green infrastructure, and storey heights
Pastoral Farming	Farming focused on livestock grazing.
PIC	Personal Injury Collision – A recorded road traffic collision resulting in injury to one or more persons.
PEDW	Planning and Environment Decisions Wales – body responsible for examining DNS applications.
PM _{2.5} / PM ₁₀	Particulate Matter – airborne particles smaller than 2.5 or 10 microns affecting human health.
PPW	Planning Policy Wales – national land-use planning policy for Wales.
Priority Habitat	Habitat identified as being of principal importance for biodiversity conservation (Section 7 Wales).
Priority Species	Species of principal importance for biodiversity conservation.
PRoW	Public Right of Way
Proposed Development	An installation and operation of ground mounted solar photovoltaic arrays with all associated works, equipment and necessary infrastructure
PV	Photovoltaic – technology that converts sunlight into electricity (solar panels).

Acronym	Definition
Ramsar Site	Wetland site of international importance designated under the Ramsar Convention.
Receptor	A component of the environment (e.g., population, landscape, water) that may be affected by the Proposed Development
Residual Effects	Effects remaining after mitigation measures have been implemented.
SAC	Special Area of Conservation – internationally important site designated under the Habitats Directive.
Scheduled Monument	Nationally important archaeological site or monument protected by law.
Scoping Direction	The process of determining the information to be provided in an ES; optional under the EIA Regulations.
Screening Direction	A determination by PEDW on whether a development requires an EIA.
Severance	The perceived or actual division of communities caused by traffic, making movement across roads more difficult or less attractive.
Sensitivity	The ability of a receptor to absorb change without altering its character, reflecting its importance or value
Setting (Heritage)	The surroundings in which a heritage asset is experienced, contributing to its significance.
Significance	A measure of whether an environmental effect is considered important in the context of the EIA Regulations.
SINC	Site of Importance for Nature Conservation – locally designated ecological site (Wales).
SLP	Site Location Plan
Soil Management Plan (SMP)	Plan ensuring proper handling and restoration of soils.
Solar Array	Group of photovoltaic panels generating electricity.
SPA	Special Protection Area – site designated for protection of birds under the Birds Directive.
SPG	Supplementary Planning Guidance – additional planning guidance supporting development plans.
SSSI	Site of Special Scientific Interest – nationally designated conservation site.
SuDS	Sustainable Urban Drainage System

Acronym	Definition
SWMP	Site Waste Management Plan
TAN	Technical Advice Note – Welsh Government technical planning guidance.
UK BAP	UK Biodiversity Action Plan – framework for conservation of habitats and species (now largely replaced by priority habitats/species lists).
TCBC	Torfaen County Borough Council – local planning authority.
Technical Appendices	Supporting documents providing detailed technical information for each environmental topic in the ES.
WeITAG	Welsh Transport Appraisal Guidance – framework for transport scheme appraisal.
ZTV	Zone of Theoretical Visibility