

Alleston Solar Farm, Pembrokeshire

Environmental Statement Volume 1: Main Chapters and Figures

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Alleston Solar Farm, Pembrokeshire
Environmental Statement Volume 1 – Main Text and Figures

On behalf of **Alleston Clean Energy Limited**

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ABBREVIATIONS

ALC	Agricultural Land Classification
AOD	Above Ordnance Datum
BMV	Best and Most Versatile
CCTV	Closed-circuit television
CIEEM	Chartered Institute of Ecology and Environmental Management
EIA	Environmental Impact Assessment
ES	Environmental Statement
GLVIA	Guidelines for Landscape and Visual Impact Assessment
Ha	Hectares
HEBDA	Historic Environment Desk Based Assessment
IEMA	Institute of Environmental Assessment and Management
Km	Kilometre
LiDAR	Light Detection and Ranging
LNR	Local Nature Reserve
LPA	Local Planning Authority
LWS	Local Wildlife Site
m	Metres
MW	Mega-Watt
NBB	Net Benefit for Biodiversity
NGED	National Grid Electricity Distribution
NGR	National Grid Reference
NTS	Non-Technical Summary
oCEMP	Outline Construction Environmental Management Plan
oDEMP	Outline Decommissioning Environmental Management Plan
PCC	Pembrokeshire County Council
PEDW	Planning and Environment Decision Wales
PROW	Public Right of Way
SAC	Special Area of Conservation
SM	Scheduled Monument
SPA	Special Protection Area
SSSI	Site of Specific Scientific Interest
sqm	Square metres

GLOSSARY

Within this Environmental Impact Assessment Report, the following terms are defined as follows:

Above Ordnance Datum	Ordnance Datum is the vertical datum used by ordnance survey as the basis for deriving altitudes on maps. Topography may be described using the level in comparison or 'above' ordnance datum.
Agricultural Land Classification	The Agricultural Land Classification system divides agricultural land quality into five grades (from Grade 1 'Excellent' to Grade 5 'Very Poor', with Grade 3 subdivided into Subgrade 3a 'Good' and Subgrade 3b 'Moderate').
Ancient Woodland	Woodland that has existed continuously since 1600 or before in England and Wales.
Applicant	Alleston Clean Energy Limited
Baseline	Environmental conditions at specific periods of time, present on, or near a site, against which future changes may be measured or predicted.
Biodiversity	Abbreviated form of 'biological diversity'.
Best and Most Versatile	Best and most versatile' (BMV) agricultural land is classified as Grades 1, 2 or 3a.
Completed Development	Within the ES, this phase refers to the Development when fully built and operational.
Construction	The indicative construction programme for the Development is anticipated to span approximately 9 months.
Cumulative effects	The summation of effects that result from changes caused by a development in conjunction with other past, present or reasonably foreseeable actions.
Development	Ground mounted photovoltaic solar farm together with associated equipment, infrastructure and ancillary works.
Effect	A physical or measurable change to the environment attributable to the project.
EIA Regulations	The Town and Country Planning (Environmental Impact Assessment) Regulations 2017 (Wales).
Environmental Impact Assessment (EIA)	A systematic means of assessing a development project's likely significant environmental effects.
Environmental Statement (ES)	Statutory report summarising the findings of an environmental impact assessment.
Habitat	The environment in which populations or individual species live or grow.
Landscape Character	The distinct and recognisable pattern of elements that occurs consistently in a particular type of landscape, and how this is perceived by people. It reflects particular combinations of geology,

	landform, soils, vegetation, land use and human settlement. It creates the particular sense of place of different areas of the landscape.
Landscape Effects	Change in the elements, characteristics, character and qualities of the landscape as a result of development.
Landscape Sensitivity	The extent to which a landscape can accept change of a particular type and scale without unacceptable adverse effects on its character.
Light spill	The unwanted spillage of light on to adjacent areas and may affect or cause nuisance to sensitive receptors, particularly residential properties and natural habitats.
Local Nature Reserve	Local Nature Reserve (LNR) are places with wildlife or geological features that are of special interest locally.
Mitigation Measures	Actions proposed to moderate adverse effects arising from the whole or specific elements of a development including any process, activity or design to avoid, reduce, remedy or compensate for adverse environmental effects of a development project.
Non-Technical Summary	A report which briefly describes the main points discussed in the Environmental Statement in a clear manner, without the use of technical jargon and phraseology.
Phase 1 Habitat Survey	An ecological survey technique that provides a standardised system to record vegetation and wildlife habitats. It enables a basic assessment of habitat type and its potential importance for nature conservation. Each habitat type or feature is identified and presented on a map.
Public Right of Way (PROW)	A right of passage by the public over the surface of the land without impediment. Public Rights of Way include public footpaths, bridleways and byways open to all traffic and Restricted Byways.
Receptor	A component of the natural, created or built environment such as human being, water, air, a building, or a plant that has the potential to be affected by the Development.
Scoping	An exercise undertaken to determine the topics to be addressed within the Environmental Statement.
Screening	Consideration as to whether an environmental impact assessment is required for a project.
Site	The Site of 96ha is located on Land at Alleston Farm, Lower Lamphey Road, Lamphey, Pembrokeshire.
Site of Special Scientific Interest (SSSI)	The nature conservation agencies have a duty under the Wildlife and Countryside Act 1981, as amended, to notify any area of land which in their opinion is 'of special interest by reason of any of its flora, fauna, or geological or physiographical features'. Such areas are known as Sites of Special Scientific Interest (SSSIs).
Topography	The natural or artificial features, level and surface form of the ground surface.
Visual Effect	Change in the appearance of the landscape from available viewpoints as a result of development.