



**Galloper Wind Farm Project**  
Environmental Statement – Glossary  
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Galloper Wind Farm Limited



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## GLOSSARY

Abbreviation	Explanation
<b>A</b>	
AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
AAWT	Annual Average Weekday Traffic
ABP	Associated British Ports
AC	Alternating Current
ACPO	Association of Chief Police Officers
AD	Anno Domini
ADBA	Archaeological Desk Based Assessment
ADD	Acoustic Deterrent Device
AEZ	Archaeological Exclusion Zone
AFA	Anglia Fishermen's Association
AIS	Automatic Identification System
AL	Advisory Leaflet
ALB	All weather lifeboat
ALA	Association of Lighthouse Authorities
ALARP	As Low As Reasonably Practicable
AM	Ante Meridiem
Amps	Amplifiers
ANO	Air Navigation Order
AOD	Above Ordnance Datum
AONB	Area of Outstanding Natural Beauty
AP	Prefix for the Suffolk Coastal Local Plan planning policies
APFP	Applications: Prescribed Forms and Procedure
Approx	Approximate
AQAP	Air Quality Action Plan

Abbreviation	Explanation
AQS	Air Quality Strategy
AQMA	Air Quality Management Area
ASCOBANS	Agreement on the Conservation of Small Cetaceans of the Baltic and North Seas (1982)
ASL	Above Sea Level
ATC	Air Traffic Control
ATC	Automatic Traffic Count
ATS	Air Traffic Service
AW	Ancient Woodland
<b>B</b>	
BAP	Biodiversity Action Plan
Bern Convention	Convention on the Conservation of European Wildlife and Natural Habitats
BERR	Department of Business, Enterprise and Regulatory Reform
BGS	British Geological Survey
Birds Directive	EC Directive 2009/147/EC on the conservation of wild birds
BMAPA	British Marine Aggregate Producer's Association
BoCC	Birds of Conservation Concern (Red-Listed)
BP	(years) Before Present
BPI	Burial Protection Index
BRE	Building Research Establishment
BS	British Standard
BT	British Telecom
BTA	British Tug owners Association
BTO	British Trust for Ornithology
BWEA	British Wind Energy Association
<b>C</b>	
CAA	Civil Aviation Authority

Abbreviation	Explanation
CAMS	Catchment Abstraction Management Strategy
CBD	Convention on Biological Diversity (1992)
CCI	Countryside Character Initiative
CCME	Canadian Council of Ministers of the Environment
CCTV	Closed circuit television
CCW	Countryside Council for Wales
CD	Chart Datum
CDM	Construction Design and Management
Cefas	Centre for Environment, Fisheries and Aquaculture Science
CGS	County Geological Sites
CFP	Common Fisheries Policy
CIA	Cumulative Impact Assessment
CITES	Convention on International Trade in Endangered Species (1963)
CLEA	Contaminated Land Exposure Assessment
cm	Centimetre
CMACS	Centre for Marine and Coastal Studies
CO <sub>2</sub>	Carbon Dioxide
CoS	Chamber of Shipping
COWRIE	Collaborative Offshore Wind Research into the Environment
CPA	Coast Protection Act (1949)
CPR	Continuous Plankton Recorder
CPS	Corrosion Protection System
CPT	Cone Penetrometer Test
CPUE	Catch Per Unit Effort
CRM	Collision Risk Modelling
CRoW	Countryside and Rights of Way Act (2000)
CRSA	Cable Route Study Area (archaeological study)

Abbreviation	Explanation
cSAC	Candidate Special Area of Conservation
CRTN	Calculation of Road Traffic Noise
CWS	County Wildlife Site
<b>D</b>	
D	Diameter
DAP	Directorate of Airspace Policy
dB	Decibel
DBA	Desk Based Assessment
dBht	DeciBel Hearing Threshold. The “perception scale” used to describe a scale for measuring sound which incorporates the sensitivity of the species as a function of frequency to the sound
DC	Direct Current
DCLG	Department for Communities and Local Government
DCO	Development Consent Order
DECC	Department of Energy and Climate Change
Defra	Department for Environment, Food and Rural Affairs
DETR	Department of Environment, Transport and the Regions
DfT	Department for Transport
DGPS	Differential Global Positioning System
dMCZ	Draft Marine Conservation Zone
DMRB	Design Manual for Roads and Bridges
DNV	Det Norske Veritas (international provider of services for managing risk)
DO	Dissolved Oxygen
DoE	Department of Environment
DOWL	Dudgeon Offshore Wind Farm Limited
DP	Directional Positioning
DPF	Diesel Particulate Filters

Abbreviation	Explanation
dSAC	Draft Special Conservation Area
DSML	Danbrit Ship Management Ltd
DTI	Department of Trade and Industry
DW	Deep water
<b>E</b>	
EA	Environment Agency
EAORA	East Anglian Offshore Racing Association
EAOW	East Anglia Offshore Windfarm Zone
EC	European Council
EclA	Ecological Impact Assessment
ECT	Evening Civil Twilight
ECW	Environmental Clerk of Works
EEDA	East of England Development Agency
EERA	East of England Regional Assembly
EH	English Heritage
EIA	Environmental Impact Assessment
EIFCA	Eastern Inshore Fisheries and Conservation Authority
EMF	Electric and Magnetic Field
EMMP	Environmental Management and Monitoring Plan
EMP	Environmental Management Plan
EN-1	Overarching National Policy Statement for Energy
EN-2	National Policy Statement for Renewable Electricity Generation (both onshore and offshore)
EN-3	National Policy Statement for Renewable Energy Infrastructure
EN-4	National Policy Statement for Gas Supply Infrastructure and Gas and Oil Pipelines
EN-5	National Policy Statement for the Electricity Networks Infrastructure
EN-6	National Policy Statement for Nuclear Electricity Generation

Abbreviation	Explanation
EPS	European Protected Species
EPR	Ethylene Propylene Rubber (insulation)
EPUK	Environment Protection UK
EQS	Environmental Quality Standards
ERCoP	Emergency Response & Cooperation Plan
ES	Environmental Statement
ESS	Environmentally Sustainable Systems Limited
ESFJC	Eastern Sea Fisheries Joint Committee
ETV	Emergency Towing Vessel
EU	European Union
<b>F</b>	
FCS	Favourable Conservation Status
FEED	Front-end engineering and design
FEPA	Food and Environment Protection Act (1985)
FLO	Fisheries Liaison Officer
FLOWW	Fishing Liaison with Offshore Wind and Wet Renewables Group
FQS	Fixed Quota Allocation
FRA	Flood Risk Assessment
<b>G</b>	
GB	Great Britain – England, Scotland and Wales
GBS	Gravity Base Structures
GDP	Gross Domestic Product
GES	Good Environmental Status
GG	Greater Gabbard
GGOWF	Greater Gabbard Offshore Wind Farm
GGOWL	Greater Gabbard Offshore Winds Limited
GHG	Greenhouse Gas
GIS	Gas Insulated Switchgear



Abbreviation	Explanation
GIS	Geographic Information System
GL	Germanischer Lloyd
GLMM	Generalised Linear Mixed Model
GPS	Global Positioning System
GREP	Global Renewable Energy Partners
GRP	Glass Reinforced Plastic
GSA	Guide to Best Practice in Seascape Assessment
GT	Gross Tonnage
GVA	Gross Value Added
GW	Gigawatt
GWAC	Groundwater Assessment Criteria
GWF	Galloper Wind Farm
GWFL	Galloper Wind Farm Limited
<b>H</b>	
ha	Hectare
HAT	Highest Astronomical Tide
HGV	Heavy Goods Vehicle – vehicles over 7.5 tonnes gross weight
HHA	Harwich Haven Authority
HLV	Heavy Lift Vessel
HM Government	Her Majesty's Government
HP	Horse Power
HMR	Helicopter Main Routes
HR	Habitats Regulations (The Conservation of Habitats and Species Regulations 2010 (as amended))
HRA	Habitats Regulations Assessment
HRGN	Habitats Regulations Guidance Note
HV	High Voltage
HVDC	High Voltage Direct Current

Abbreviation	Explanation
Hz	Hertz – Frequency unit. 1 Hz means 1 cycle per second. In acoustics often used with prefix “k” (kilo): 1 kHz = 1000 Hz
<b>I</b>	
IALA	International Association of Lighthouse Authorities
IAM	Impact Assessment Matrix
ICCP	Impressed Cathodic Corrosion Protection
ICCP	Impressed current system
ICES	International Council for the Exploration of the Sea
ICNIRP	International Commission on Non-Ionizing Radiation Protection
ICPC	International Cable Protection Committee
IEEM	Institute of Ecology and Environmental Management
IEMA	Institute of Environmental Management and Assessment
IFA	Institute for Field Archaeologists
IFCA	Inshore Fisheries and Conservation Authority
IFSAR	Interferometric Synthetic Aperture Radar
IHO	International Hydrographic Organisation
IHLS	International Herring Larvae Survey
IMO	International Maritime Organisation
IPC	Infrastructure Planning Commission
ILB	Inshore Life Boat
IPCC	Intergovernmental Panel on Climate Change
IPS	Intermediate peripheral structures
IROPI	Imperative Reasons of Overriding Public Interest
iSEA	(Cefas) Interactive Spatial Explorer and Administrator
ISO	International Organisation for Standardisation
ISQG	Interim Sediment Quality Guideline
<b>J</b>	
JCP	Joint Cetacean Protocol

Abbreviation	Explanation
JNCC	Joint Nature Conservation Committee
<b>K</b>	
kg	Kilogram
kg/m	Kilograms Per Metre
km	Kilometre
km/hr	Kilometres Per Hour
kV	Kilovolts
<b>L</b>	
LAL	London Array Limited
LAQM	Local Air Quality Management
LAT	Lowest Astronomical Tide
LBAP	Local Biodiversity Action Plan
LCA	Landscape Character Area
LDF	Local Development Framework
LI	Landscape Institute
LNR	Local Nature Reserve
LPA	Local Planning Authority
LSE	Likely Significance Effect
LSVIA	Landscape and Seascape Visual Impact Assessment
LV	Low Voltage
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Sites
<b>M</b>	
µm	Micrometre
µg	Microgram
m	Metre
m <sup>2</sup>	Metre Squared

Abbreviation	Explanation
m <sup>3</sup>	Metre Cubed
mb	Metres Below
MAIB	Marine Accident Investigation Branch
MAGP	Multi Annual Guidance Programme
MALSF	Marine Aggregate Levy Sustainability Fund
M amsl	Metre Above Mean Sea Level
MAREA	Marine Aggregate Regional Environmental Assessment
Max	Maximum
MBES	Multibeam Echosounder
MCA	Maritime and Coastguard Agency
MCAA	Marine and Coastal Access Act
mCD	Metre Chart Datum
MCEU	Marine Consents and Environment Unit
MCS	Marine Conservation Society
MCZ	Marine Conservation Zones
MDS	Multidimensional Scaling
MES	Marine Ecological Surveys
Met	Meteorological
MFA	Marine and Fisheries Agency
mg/l	Milligrams Per Litre
MGN	Marine Guidance Note
MHWN	Mean High Water Neaps
MHWS	Mean High Water Springs
MI	Mass Impregnated (cable insulation)
MI	Mass Integrated
Min	Minimum
MLWS	Mean Low Water Spring

Abbreviation	Explanation
MLWN	Mean Low Water Neaps
MLS	Minimum Landing Size
mm	Millimetre
MMMP	Marine Mammal Mitigation Protocol
MMO	Marine Management Organisation
MMO	Marine Mammal Observer
MNR	Marine Nature Reserve
MoD	Ministry of Defence
MPA	Marine Protection Area
MPS	Marine Policy Statement
MPS	Multiple Pulsed Sources
MRCC	Maritime Rescue and Coordination Centre
m/s	Metres per second
MSFD	Marine Strategy Framework Directive
MSL	Mean Sea Level
MV	Medium Voltage
MW	Megawatt
<b>N</b>	
N/A	Not available/Not applicable
NATS	National Air Traffic Services (Limited)
NB	Nota Bene
NDA	Nuclear Decommissioning Authority
NE	Natural England
NE	North East
NERC	Natural Environment and Rural Communities
NERI	National Environment Research Institute
NERL	NATS (En-Route) Limited

Abbreviation	Explanation
NFFO	National Federation of Fishermen's Organisation
NGET	National Grid Electricity Transmission plc
NGO	Non Governmental Organisation
N/mm	Newton per millimetre
nm	Nautical mile
NMP	National Mapping Programme
NMR	National Monuments Record
NNDC	North Norfolk District Council
NNR	National Nature Reserve
NO <sub>2</sub>	Nitrogen Dioxide
NPS	National Policy Statement
NRA	Navigation Risk Assessment
NRMM	Non Road Mobile Machinery
NSIP	Nationally Significant Infrastructure Project
NTS	Non Technical Summary
NVZ	Nitrate Vulnerable Zone
<b>O</b>	
O&M	Operation and Maintenance
ODPM	Office of the Deputy Prime Minister
OFTO	Offshore Transmission Operator
OMR	Offshore Marine Regulations 2009
OREI	Offshore Renewable Energy Installation
OS	Ordnance Survey
OSA	Offshore Study Area
OSP	Offshore Substation Platform
OSPAR	Oslo/Paris convention (for the Protection of the Marine Environment of the North-East Atlantic) (1998)
OWF	Offshore Wind Farm

Abbreviation	Explanation
<b>P</b>	
Pa	Pascal – Pressure unit. 1 Pa = 10 <sup>-5</sup> bar = 145.04 × 10 <sup>-6</sup> psi. Used also in acoustics to describe sound pressure.
PAH	Polyaromatic hydrocarbons
PAM	Passive Acoustic Monitoring
PCB	Polychlorinated Biphenyls
PCH	Potential Collision Heights
PDV	Phocine Distemper Virus
PEI	Preliminary Environmental Information
PEL	Probable Effect Levels
PER	Preliminary Environmental Report
PEXA	(Military) Practice and Exercise Area
PI	Polymeric Insulated
PICADY	Priority Intersection Capacity and Delay
PLA	Port of London Authority
PLGR	Pre Lay Grapnel Run
PM	Post Meridiem
PMRA	Protection of Military Remains Act (1986)
PLN	Port Letters and Number
PPE	Personal Protective Equipment
PPG	Planning Policy Guidance
PPG	Pollution Prevention Guidance
PPL	Polypropylene Paper Laminate
PPS	Planning Policy Statement
PRoW	Public Right of Way
PSA	Particle Size Analysis
pSPA	Potential Special Protection Area
PTS	Permanent Threshold Shift

Abbreviation	Explanation
<b>R</b>	
RAF	Royal Air Force
RBS	Registration of Buyers and Sellers
REC	Regional Environmental Characterisation
RES	Renewable Energy Strategy
RES	Renewable Economic Strategy
RES	Regional Economic Strategy
RIFE	Radioactivity in Food and the Environment
REZ	Renewable Energy Zone
RIGS	Regionally Important Geological Sites
RNLI	Royal National Lifeboat Institution
RO	Renewables Obligation
RORC	Royal Ocean Racing Club
Ro Ro	Roll on Roll Off (vessel)
ROV	Remotely Operated Vehicle
RPA	Root Protection Area
RPA	Rural Priority Area
RPE	Respiratory Protective Equipment
RTU	Remote Terminal Units
RUK	RenewableUK
RSPB	Royal Society for the Protection of Birds
RWE NRL	RWE Npower Renewables Ltd
RYA	Royal Yachting Association
<b>S</b>	
SAC	Special Area of Conservation
SAHFOS	Sir Alistair Hardy Foundation for Ocean Science
SAM	Scheduled Ancient Monument



Abbreviation	Explanation
SAP	Species Action Plan
SAR	Search and Rescue
SCADA	Supervisory Control and Data Acquisition
SCANS	Small Cetacean Abundance in the North Sea and adjacent waters
SCC	Suffolk County Council
SCDC	Suffolk Coastal District Council
SCFF	Self Contained Fluid Filled (cable design)
SCI	Site of Community Interest
SCOS	Special Committee on Seals
SEA	Strategic Environmental Assessment
SEMP	Site Environmental Management Plan
SEL	Sound Exposure Level
SFI	Sea Fisheries Inspectorate
SHER	Suffolk Historic Environment Record
SINC	Sites of Importance for Nature Conservation
SLA	Special Landscape Area
SLM	Sound Level Meter
SLVIA	Seascape and Landscape Visual Impact Assessment
SLVC	Seascape and Landscape Visual Character
SM	Scheduled Monument
SMA	Sensitive Marine Area
SMP	Shoreline Management Plan
SMRU	Sea Mammal Research Unit
SNCB	Statutory Nature Conservation Bodies
SoCC	Statement of Community Consultation
SoW	Scope of Works
SPA	Special Protection Area

Abbreviation	Explanation
SPL	Sound Pressure Level
SPS	Significant Peripheral Structure
SPZ	Source Protection Zone
SQG	Sediment Quality Guideline
SSE	Scottish and Southern Energy plc
SSC	Suspended Sediment Concentration
SSER	SSE Renewables Developments UK Ltd
SSMR	Suffolk Sites and Monuments Record
SSSI	Site of Special Scientific Interest
SSV	Soil Screening Values
STW	Sewage Treatment Works
SuDS	Sustainable Drainage Systems
SVC plus	Synchronous var compensator plus
SVIA	Seascape Visual Impact Assessment
SW	Southwest
SWAN	Simulating Waves Nearshore
SWMP	Site Waste Management Plan
<b>T</b>	
TA	Transport Assessment
TAC	Total Allowable Catch
TBT	Trybutyl tin
TCE	The Crown Estate
TEL	Threshold Effects Level
The Act	The Planning Act 2008
TL	Transmission Loss
TMP	Transport Management Plan
TOW	Thanet Offshore Windfarm

Abbreviation	Explanation
TP	Transition Piece
TSA	Terrestrial Study Area
TSS	Traffic Separation Scheme
TTS	Temporary Threshold Shift
<b>U</b>	
UK	United Kingdom – Great Britain and Northern Ireland
UKCP009	UK Climate Projection 09
UKBAP	UK Biodiversity Action Plan
UKCIP	UK Climate Impacts Programme
UKCPC	UK Cable Protection Committee
UKHO	UK Hydrographic Office
UKLFS	UK Low Military Flying System
UKOOA	UK Offshore Operators Association
UXO	Unexploded Ordnance
<b>V</b>	
VMS	Vessel Monitoring Scheme
VHF	Very High Frequency
VTs	Vessel Traffic Service
<b>W</b>	
WA	Wessex Archaeology
WCA	Wildlife and Countryside Act
WFD	Water Framework Directive
WLMA	Water Level Management Alliance
WPAC	Wind Power Aviation Consultants Ltd
WSI	Written Scheme of Investigation (Archaeological Resource)
WTG	Wind Turbine Generator
WTR	Wildlife Trust Reserve

Abbreviation	Explanation
<b>X</b>	
XLPE	Cross Linked Polyethylene (cable)
$\mu\text{Pa}$	Micro-pascal
3-D	Three Dimensional
$I^2R$ losses	Conductor resistance heat losses
<b>Z</b>	
ZTV	Zone of Theoretical Visibility