Appendix 1.2: Glossary and Acronyms

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1. GLOSSARY

Term	Definition
General Terms	
Additional mitigation	Any mitigation measures identified over and above the standard 'embedded' mitigation measures (see definition below) or good practice measures are termed 'additional' mitigation measures.
Array area	The area in which the offshore generation infrastructure (including offshore wind turbine generators and associated foundations, inter-array cables and interconnector cable) and offshore electrical platform(s) will be located.
Cable Zone A	The area within which up to 275 kV electrical cables will be located from the Landfall Zone to the Substation Zone. There is a degree of overlap between Cable Zone A and the Landfall Zone, Cable Zone A and the Substation Zone and Cable Zone A and Cable Zone B within the area of the Substation Zone to retain flexibility for construction.
Cable Zone B	The area within which up to 400 kV electrical cables will be located from the Substation Zone to the SSEN Netherton Hub. There is a degree of overlap between Cable Zone B and the Substation Zone and Cable Zone B and Cable Zone A within the area of the Substation Zone to retain flexibility for construction.
Cable duct	A cable duct is a pipe or tubular hollow structure designed to accommodate the running of one or more cables within it.
Cable Joint Bay (CJB)	Cable jointing bays that allows the joining of two onshore cable lengths and provides a clean and secure environment for the assembly of cable joints as well as bonding and earthing leads. Communication cables will also be jointed here.
Committed development	A nearby development that has been determined by the relevant planning authorities.
Cumulative effects assessment	A cumulative effects assessment is an evaluation of potential effects by taking into consideration any other plans or projects, proposed or existing, and where sufficient information is available, which, together with the Proposed Development have a likely significant effect on a receptor due to a common impact pathway and/or temporal or spatial overlap.
Developer	Muir Mhòr Offshore Wind Farm Limited
Development Zones	Four defined areas (or 'Zones') within the Site which illustrate the areas within which different elements of the Proposed Development will be located. This comprises the Landfall Zone, Cable Zone A (between the landfall and onshore substation), Substation Zone and Cable Zone B (between the onshore substation and the SSEN Netherton Hub).
EIA Regulations	Town and Country Planning (Environmental Impact Assessment) (Scotland) Regulations 2017
Embedded mitigation	Mitigation measures incorporated ('embedded') within the design and construction, operation and planned decommissioning of the Proposed Development, typically comprising 'standard' practices, use of 'best practicable means' construction techniques and appropriate siting and development design.
Grid	The national electricity transmission network.
Horizontal Directional Drilling (HDD)	A method of cable installation where the cable is drilled beneath a feature without the need for trenching.
Intertidal area	The intertidal area is the area where the marine and terrestrial environments meet between the tide's highest and lowest points, i.e., the area between Mean

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	High Water Springs (MHWS) and Mean Low Water Springs (MLWS).
Landfall	The area above Mean Low Water Springs (MLWS) where the offshore export cables will be brought ashore and connected to the onshore export cables within the Transition Joint Bays.
Landfall Zone	The area where the landfall infrastructure will be located.
Offshore export cables	The subsea electricity cables running from the Offshore Electrical Platform(s) to the landfall which will transmit the electricity generated by the offshore wind farm to the onshore export cables for transmission onwards to the onshore substation and the national electricity transmission network, along with auxiliary cables such as fibre optic cables.
Onshore export cable corridor (ECC)	The area within which the onshore export cable circuits will be installed.
Onshore export cables	The electricity cables running from the landfall point to the onshore substation.
Onshore substation	The onshore substation for the Project which will connect to the onshore export cables running from the landfall area and onwards to the national electricity transmission network.
Planning Application	An application is for Planning Permission in Principle (PPP) (see definition below).
Planning Authority	Aberdeenshire Council
Planning Permission in Principle (PPP)	Type of planning application that allows a proposal to be assessed without having to give final the details of the exact location, layout, design or finish of all elements of the proposal. This ensures a maximum development scenario can be assessed.
Preparatory works	The preparatory works include tasks such as site clearance, including the removal of vegetation; removal of any underground obstructions; retention of any walls and; fencing off the construction area.
Project	Muir Mhòr Offshore Wind Farm – comprises the offshore wind farm and all associated offshore and onshore components.
Proposed Development	The onshore transmission works for the Muir Mhòr Offshore Wind Farm project to which the Onshore EIA Report relates.
Site	The area defined by the red line application boundary within which all infrastructure associated with the onshore works for the Project will be located.
SSEN Netherton Hub	The grid connection point for the Proposed Development, connecting the Project to the national electricity transmission network, is at a 400 kilovolt (kV) substation, located west of Peterhead, owned and operated by Scottish and Southern Electricity Networks (SSEN). This is known as the 'Netherton Hub'.
Substation Zone	The area where the onshore substation will be located.
Transition Joint Bay (TJB)	Place where offshore cables are jointed to the onshore cables in an underground concrete box. This provides a clean and secure environment for the assembly of cable joints from the offshore cable to the onshore cable as well as bonding and earthing leads. Communication cables will also be jointed here.
Technical Terms	
'A' weighting	The A-weighting is a correction term applied to the frequency range to mimic the sensitivity of the human ear to noise. (Relating to Chapter 10: Noise and Vibration).
1/3 Octave band frequency	Similar to Octave Band analysis but with each octave further split into three providing a more detailed analysis of frequency content. (Relating to Chapter

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Term	Definition
analysis	10: Noise and Vibration).
Annual Average Daily Traffic (AADT)	Average daily two-way traffic flow for a road link in a particular year. (Relating to Chapter 11: Traffic and Transport).
Construction Traffic Management Plan (CTMP)	A management plan to safely and efficiently control construction traffic on the public road network.
Cultural (heritage) significance	Cultural (heritage) significance means aesthetic, historic, scientific or social value for past, present or future generations. Cultural significance can be embodied in a place itself, its fabric, setting, use, associations, meanings, records, related places and related objects. (Relating to Chapter 9: Archaeology and Cultural Heritage).
Cultural heritage	Cultural heritage is an expression of the ways of living developed by a community and passed on from generation to generation. It can include customs, practices, places, objects, artistic expressions and values, aesthetic, historic, scientific, social or spiritual aspects. (Relating to Chapter 9: Archaeology and Cultural Heritage).
Decibel or dB	The decibel is the unit used to quantify sound pressure levels as well as sound intensity and power levels. In accordance with the logarithmic scale, an increase of 10 dB in sound pressure level is equivalent to an increase by a factor of 10 in the sound pressure level (measured in Pa). Subjectively, this increase would correspond to a doubling of the perceived loudness of the sound. (Relating to Chapter 10: Noise and Vibration).
Direct impact	This is associated with the direct activities of the Developer as well as the activities of primary suppliers. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
Employment (Jobs)	A measure of employment which considers the headcount employment in an organisation or industry. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
Frequency	The rate at which the pressure fluctuations occur determines the pitch or frequency of the sound. The frequency is expressed in Hertz (Hz) or cycles per second. (Relating to Chapter 10: Noise and Vibration).
Gross Value Added (GVA)	This is a measure of economic output, the economic value added by an organisation, industry or region and is typically estimated by subtracting the non-staff operational costs from the turnover of an organisation. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
Heritage assets	Features, buildings or places that provide physical evidence of past human activity identified as being of sufficient value to this and future generations to merit consideration in the planning system. (Relating to Chapter 9: Archaeology and Cultural Heritage).
Historic environment	The historic environment is 'the physical evidence for human activity that connects people with place, linked with the associations we can see, feel and understand'. (Relating to Chapter 9: Archaeology and Cultural Heritage).
Indirect impact	This is associated with spending in the wider supply chain of primary supplier, e.g. secondary suppliers. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
Induced impact	This is associated with staff spending their wages and creating impacts in the wider economy. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
L_{A90}	'A' weighted statistical sound pressure level exceeded for 90% of a time period. Used to represent the background sound level. (Relating to Chapter 10: Noise

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	and Vibration).
L_{Aeq}	'A' weighted average sound pressure level. (Relating to Chapter 10: Noise and Vibration).
Landscape character	A distinct, recognisable and consistent pattern of elements in the landscape that makes one landscape different from another, rather than better or worse. (Relating to Chapter 8: Landscape and Visual Amenity).
$L_{W(A)}$	A-weighted sound power level. (Relating to Chapter 10: Noise and Vibration).
Net Present Value (NPV)	A method for discounting impacts in the future compared to impacts that are expected to occur sooner. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
Noise	Noise is often defined as a sound or sounds, especially when it is unwanted, unpleasant or loud. (Relating to Chapter 10: Noise and Vibration).
Octave band frequency analysis	A frequency analysis using a filter that is an octave wide (the upper limit of the filter's frequency band is exactly twice that of its lower frequency limit). (Relating to Chapter 10: Noise and Vibration).
Peak Particle Velocity	Measurement of vibration in mm/s. (Relating to Chapter 10: Noise and Vibration).
Rating Level or rating level (L_{Ar})	A sound pressure level measured in decibels inclusive of character, tonality and impulsivity or intermittency corrections. (Relating to Chapter 10: Noise and Vibration).
Scheduled Monument	Monuments included on the schedule (list) of monuments of national importance. The aim of scheduling is to preserve our most significant sites and monuments as far as possible in the form in which they have been passed down to us today. Scheduled monuments are identified as a 'sensitive area' in the EIA Regulations. (Relating to Chapter 9: Archaeology and Cultural Heritage).
Setting	The way the surroundings of a historic asset or place contribute to how it is understood, appreciated and experienced. (Relating to Chapter 9: Archaeology and Cultural Heritage).
Sound	An air pressure wave within the audible frequency (20-20K Hz) measured in decibels. (Relating to Chapter 10: Noise and Vibration).
Sound Power Level	The sound energy emitted by an object measured in Watts (W) (decibel referenced to 10-12 W). (Relating to Chapter 10: Noise and Vibration).
Sound Pressure Level	The human ear has an approximately logarithmic response to sound pressure over a very large dynamic range. The lowest audible sound pressure approximately 2 x 10-5 Pa (2 ten billionths of an atmosphere) and the highest is approximately 100 Pa. It is therefore convenient to express the sound pressure as a logarithmic decibel scale related to this lowest human audible sound. (Relating to Chapter 10: Noise and Vibration).
Special Landscape Area	A local landscape designation indicating areas of higher landscape value within Aberdeenshire. (Relating to Chapter 8: Landscape and Visual Amenity).
Sustainable Drainage Systems (SuDS)	Set of water management practices and facilities that are designed to manage stormwater locally and mimic natural drainage. (Relating to Chapter 7: Hydrology, Hydrogeology and Coastal Geomorphology).
Years of Employment	This is a measure of employment which is equivalent to one person being employed for a year and is typically used when considering short-term employment impacts, such as those associated with the construction employment. (Relating to Chapter 12: Socio-economics, Tourism and Recreation).
ZTV	Zone of Theoretical Visibility mapping, shows areas of potential visibility of the proposed development. (Relating to Chapter 8: Landscape and Visual Amenity and Chapter 8: Archaeology and Cultural Heritage).

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2. ACRONYMS

Term	Definition
AADT	Annual Average Daily Traffic
AC	Aberdeenshire Council
AHER	Aberdeenshire Historic Environment Record
AIS	Air Insulated Switchgear
AMP	Access Management Plan
AMSC	Approval of Matters Specified in Conditions
BAP	Biodiversity Action Plan
BBPP	Breeding Bird Protection Plan
BBS	Breeding Bird Surveys
BEP	Biodiversity Enhancement Plan
BGS	British Geological Survey
BMP	Biosecurity Management Plan
BSI	The British Standards Institution
BSPP	Bird Species Protection Plan
BTO	British Trust for Ornithology
CAR	Controlled Activities Regulations
CEMP	Construction Environmental Management Plan
CES	Crown Estate Scotland
CIEEM	Chartered Institute of Ecology and Environmental Management
CJB	Cable Joint Bay
CMS	Construction Method Statement
CRTN	Calculation of Road Traffic Noise
CTMP	Construction Traffic Management Plan
DfT	Department for Transport
DMRB	Design Manual for Roads and Bridges
DRA	Design Risk Assessment
ECC	Export Cable Corridor
EcIA	Ecological Impact Assessment
ECoW	Environmental Clerk of Works
EEA	European Economic Areas
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
EMF	Electromagnetic Field

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Term	Definition
EU	European Union
GHG	Greenhouse Gas
GIS	Gas Insulated Switchgear
GLVIA3	Guidelines for Landscape and Visual Impact Assessment, 3rd Edition
GW	Gigawatt
GWDTE	Groundwater Dependent Terrestrial Ecosystem
HDD	Horizontal Directional Drilling
HEDBA	Historic Environment Desk-based Assessment
HES	Historic Environment Scotland
HGV	Heavy Goods Vehicle
HND	Holistic Network Design
HRA	Habitats Regulations Appraisal
INNS	Invasive Non-Native Species
JV	Joint Venture
kV	Kilovolt
LBAP	Local Biodiversity Action Plan
LCT	Landscape Character Type
LDP	Local Development Plan
LGV	Light Goods Vehicle
LNCS	Local Nature Conservation Site
LVIA	Landscape and Visual Impact Assessment
M&E	Mechanical & Electrical
MD-LOT	Marine Directorate - Licensing Operations Team
MHWS	Mean High Water Springs
MLWS	Mean Low Water Springs
MW	Megawatt
NBN	National Biodiversity Network
NCI	Nature Conservation Importance
NCN	National Cycle Network
NESO	National Energy System Operator
NHZ	Natural Heritage Zone
NNR	National Nature Reserve
NPF4	National Planning Framework 4
NPV	Net Present Value
NR	Noise Rating
NRTF	National Road Traffic Report
NSR	Noise-Sensitive Receptor

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Term	Definition
NTS	Non-Technical Summary
NVC	National Vegetation Classification
OAMP	Outline Access Management Plan
OBEP	Outline Biodiversity Enhancement Plan
OCEMP	Outline Construction Envrironment Management Plan
OCT	Open Cut Trench
OLMP	Outline Landscape Mitigation Plan
ONS	Office of National Statistics
OWF	Offshore Wind Farm
PO	Plan Option
PoPP	Pollution Prevention Plan
PPP	Planning Permission in Principle
PPV	Peak Particle Velocity
PWS	Private Water Supply
RSPB	Royal Society for the Protection of Birds
rUK	Rest of the UK
RVAA	Residential Visual Amenity Assessment
SAC	Special Area of Conservation
SBL	Scottish Biodiversity List
SCDS	Supply Chain Development Statement
SEPA	Scottish Environmental Protection Agency
SGT	Super Grid Transformer
SHPP	Species and Habitat Protection Plan
SLA	Special Landscape Area
SMP	Soil Management Plan
SPA	Special Protection Area
SSEN	Scottish and Southern Electricity Networks
SSSI	Site of Special Scientific Interest
STATCOM	Static Synchronous Compensator
SuDS	Sustainable Drainage Systems
SWMP	Site Waste Management Plan
TA	Transport Assessment
TJB	Transition Joint Bay
UKCP	UK Climate Projections
WCA	The Wildlife and Countryside Act 1981 (as amended)
WFD	Water Framework Directive
WQMP	Water Quality Monitoring Programme
ZTV	Zone of Theoretical Visibility

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