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## Abbreviations

<b>AADT</b>	Annual Average Daily Traffic
<b>AAWT</b>	Annual Average Weekday Traffic
<b>ACoW</b>	Archaeological Clerk of Works
<b>ADF</b>	Average Daily Flow
<b>AGLV</b>	Areas of Great Landscape Value
<b>AHSLA</b>	The Assessment of Highland Special Landscape Areas
<b>AOD</b>	Above Ordnance Datum
<b>ATC</b>	Automatic Traffic Counters
<b>BAA</b>	British Airports Authority
<b>BAP</b>	Biodiversity Action Plan
<b>BBS</b>	Breeding Birds Survey
<b>BCT</b>	Bat Conservation Trust
<b>BGS</b>	British Geological Survey
<b>BoCC</b>	Birds of Conservation Concern
<b>BS</b>	British Standard
<b>BSI</b>	British Standards Institute
<b>BT</b>	British Telecom
<b>BTO</b>	British Trust for Ornithology
<b>CAA</b>	Civil Aviation Authority
<b>CAPEX</b>	Total Capital Expenditure
<b>CAR</b>	The Water Environment (Controlled Activities) (Scotland) Regulations 2011
<b>CaSPlan</b>	Caithness and Sutherland Local Development Plan
<b>CAWLs</b>	Core Areas of Wild Land
<b>CD</b>	Compact Disk

<b>CDM</b>	Construction (Design and Management) Regulations 2015
<b>CEMP</b>	Construction Environmental Management Plan
<b>CIEEM</b>	Chartered Institute for Ecology and Environmental Management
<b>CIRIA</b>	Construction Industry Research and Information Association
<b>CLVIA</b>	Cumulative Landscape and Visual Impact Assessment
<b>CMS</b>	Construction Method Statement
<b>CNSRP</b>	The Caithness and North Sutherland Regeneration Partnership
<b>CO<sub>2</sub></b>	Carbon Dioxide
<b>DAB</b>	Digital Audio Broadcasting
<b>dB</b>	Decibel
<b>dB(A)</b>	A-weighted Decibel Level
<b>DETR</b>	Department of the Environment, Transport and the Regions
<b>DIO</b>	Defence Infrastructure Organisation
<b>DMRB</b>	Design Manual for Roads and Bridges
<b>DSFB</b>	District Salmon Fishery Board
<b>DTI</b>	Department of Trade and Industry
<b>DTM</b>	Digital Terrain Model
<b>EC</b>	European Commission
<b>ECDU</b>	Energy Consents and Deployment Unit
<b>EclA</b>	Ecological Impact Assessment
<b>ECoW</b>	Ecological Clerk of Works
<b>EEC</b>	European Economic Community
<b>EGPS</b>	Electricity Generation Policy Statement
<b>EIA</b>	Environmental Impact Assessment
<b>EIERP</b>	Environment Incident Emergency Response Plan

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<b>EMR</b>	Electricity Market Reform
<b>EPS</b>	European Protected Species
<b>ES</b>	Environmental Statement
<b>ETSU-R-97</b>	The Assessment & Rating of Noise from Wind Farms (from Department of Trade and Industry)
<b>EU</b>	European Union
<b>FCS</b>	Forestry Commission Scotland
<b>FEH</b>	Flood Estimation Handbook
<b>FWPM</b>	Freshwater Pearl Mussels
<b>GBR</b>	General Binding Rules
<b>GDLs</b>	Gardens and Designed Landscapes
<b>GES</b>	Government Economic Strategy
<b>GHG</b>	Greenhouse gases
<b>GI</b>	Ground Investigation
<b>GIS</b>	Geographical Information Systems
<b>GLVIA</b>	Guidelines for Landscape and Visual Impact Assessment
<b>GPS</b>	Global Positioning System
<b>GR</b>	Grid Reference
<b>GVA</b>	Gross Value Added
<b>GW</b>	Gigawatt
<b>GWDS</b>	Ground Water Dependency Scores
<b>GWDE</b>	Groundwater Dependent Terrestrial Ecosystems
<b>GWh</b>	Gigawatt Hour
<b>ha</b>	Hectares
<b>HAP</b>	Habitat Action Plan
<b>HCHET</b>	The Highland Council Historic Environment Team

<b>HER</b>	Historic Environment Record
<b>HES</b>	Historic Environment Strategy
<b>HGV</b>	Heavy Goods Vehicle
<b>HIAL</b>	Highlands & Islands Airports
<b>HIE</b>	Highlands and Islands Enterprise
<b>HITRANS</b>	Highland and Island Transport Partnership
<b>HMP</b>	Habitat Management Plan
<b>HMSO</b>	Her Majesty's Stationary Office
<b>HRSG</b>	Highland Raptor Study Group
<b>HSE</b>	Health and Safety Executive
<b>HWLDP</b>	Highland Wide Local Development Plan
<b>Hz</b>	Hertz
<b>IEA</b>	Institute of Environmental Assessment
<b>IEEM</b>	Institute of Ecology and Environmental Management
<b>IEMA</b>	Institute of Environmental Management and Assessment
<b>IFA</b>	Institute of Archaeologists
<b>IGDL</b>	Inventory of Gardens and Designed Landscapes
<b>IoA GPG</b>	Institute of Acoustics Good Practice Guide
<b>IPCC</b>	Intergovernmental Panel on Climate Change
<b>ISGOWE</b>	Interim Supplementary Guidance: Onshore Wind Energy (The Highland Council)
<b>IUNC</b>	International Union for Conservation of Nature
<b>JNCC</b>	Joint Nature Conservation Committee
<b>JRC</b>	Joint Radio Company
<b>kHz</b>	Kilohertz
<b>km</b>	Kilometre

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<b>km/h</b>	Kilometres per hour
<b>kV</b>	Kilovolt
<b>LA10</b>	10 Percentile Noise Indicator
<b>LA90</b>	90 Percentile Noise Indicator
<b>LAeq</b>	A-weighted Equivalent Continuous Sound Pressure
<b>LAn,T</b>	The A-weighted sound pressure level that is exceeded for N% of the time interval T
<b>LBAP</b>	Local Biodiversity Action Plan
<b>LCA</b>	Landscape Character Assessment
<b>LCT</b>	Landscape Character Type
<b>LDP</b>	Local Development Plan
<b>LFN</b>	Low Frequency Noise
<b>LGV</b>	Light Goods Vehicle
<b>LNR</b>	Local Nature Reserve
<b>LOS</b>	Line of Sight
<b>Lp</b>	Sound Pressure Level
<b>LTS</b>	Local Transport Strategy
<b>LVIA</b>	Landscape and Visual Impact Assessment
<b>LWA,T</b>	The A-weighted sound power level in the time interval T
<b>m</b>	Metre
<b>m/s</b>	Metres per second
<b>m<sup>3</sup></b>	Cubic metre
<b>mm/s</b>	Millimetres per second
<b>MoD</b>	Ministry of Defence
<b>MIR</b>	Main Issues Report
<b>mph</b>	Miles per hour

<b>MW</b>	Megawatt
<b>NATS</b>	National Air Traffic Services
<b>NBN</b>	National Biodiversity Network
<b>NCR</b>	National Cycle Route
<b>NERL</b>	NATS En Route Limited
<b>NGR</b>	National Grid Reference
<b>NHZ</b>	Natural Heritage Zone
<b>NMRS</b>	National Monuments Record of Scotland
<b>NNR</b>	National Nature Reserve
<b>NPF</b>	National Planning Framework
<b>NPF2</b>	National Planning Framework 2
<b>NPF3</b>	National Planning Framework 3
<b>NPPG</b>	National Planning Policy Guidance
<b>NREAP</b>	National Renewable Energy Action Plan
<b>N-RIP</b>	National Renewables Infrastructure Plan
<b>NSA</b>	National Scenic Area
<b>NTS</b>	Non-Technical Summary
<b>NVC</b>	National Vegetation Classification
<b>O4B</b>	Open for Business
<b>Ofcom</b>	Office of Communication
<b>OS</b>	Ordnance Survey
<b>PAN</b>	Planning Advice Note
<b>PDF</b>	Portable Document Format (Adobe Acrobat)
<b>PEMP</b>	Project Environmental Management Process
<b>PLHRAG</b>	Peat Landslide Hazard and Risk Assessment Guidance

<b>PMP</b>	Peat Management Plan
<b>POE</b>	Port of Entry
<b>PPG</b>	Pollution Prevention Guidelines
<b>PPP</b>	Pollution Prevention Plan
<b>PPS</b>	Planning Policy Statement
<b>PSR</b>	Primary Surveillance Radars
<b>PSRA</b>	Peat Stability Risk Assessment
<b>PWS</b>	Private Water Supply
<b>RAF</b>	Royal Air Force
<b>RAMS</b>	Risk Assessments and Method Statements
<b>RAP</b>	Renewables Action Plan 2009
<b>RCAHMS</b>	Royal Commission on the Ancient and Historical Monuments of Scotland
<b>REAP</b>	Renewable Energy Action Plan
<b>RoW</b>	Right of Way
<b>RSPB</b>	Royal Society Protection of Birds
<b>RTS</b>	Regional Transport Strategy
<b>SAAR</b>	Standard Annual Average Rainfall
<b>SAC</b>	Special Area of Conservation
<b>SAP</b>	Species Action Plan
<b>SAWL</b>	Search Area of Wild Land
<b>SCADA</b>	Supervisory Control and Data Acquisition
<b>SCM</b>	Site Condition Monitoring
<b>SDP</b>	Strategic Development Plan
<b>SEA</b>	Strategic Environmental Assessment
<b>SEAR</b>	Safety and Environmental Awareness Report

<b>SEPA</b>	Scottish Environment Protection Agency
<b>SERAD</b>	Scottish Executive Rural Affairs Department
<b>SG</b>	Supplementary Guidance
<b>SHEP</b>	Scottish Historic Environment Policy
<b>SLA</b>	Special Landscape Areas
<b>SLP</b>	Sutherland Local Plan
<b>SM</b>	Scheduled Monuments
<b>SMR</b>	Sites and Monuments Record
<b>SNH</b>	Scottish Natural Heritage
<b>SNIFFER</b>	Scotland and Northern Ireland Forum for Environment Research
<b>SO</b>	Scoping Opinion
<b>SPA</b>	Special Protection Area
<b>SPEC</b>	Species of European Conservation Concern
<b>SPG</b>	Supplementary Planning Guidance
<b>SPP</b>	Scottish Planning Policy
<b>SSE</b>	SSE Generation Ltd
<b>SSSI</b>	Site of Special Scientific Interest
<b>SuDS</b>	Sustainable Drainage Systems
<b>SWMP</b>	Site Waste Management Plan
<b>TAN</b>	Technical Advice Note
<b>TCC</b>	Temporary Construction Compound
<b>THC</b>	The Highland Council
<b>TS</b>	Transport Scotland
<b>UKBAP</b>	United Kingdom Biodiversity Action Plan
<b>UKHLS</b>	United Kingdom Helicopter Landing Sites



<b>UKRES</b>	UK Renewable Energy Strategy 2009
<b>VP</b>	Vantage Point (Ornithology)
<b>VP</b>	View Point (LVIA)
<b>vph</b>	Vehicles per hour
<b>WCA</b>	Wildlife and Countryside Act, 1981 as amended
<b>WECO</b>	Wind Energy Production in Cold Climates
<b>WFD</b>	Water Framework Directive
<b>WLA</b>	Wild Land Areas
<b>WTG</b>	Wind Turbine Generators
<b>WTS</b>	Wind Turbine Supplier
<b>ZTV</b>	Zone of Theoretical Visibility

## Glossary

<b>A-weighting</b>	A filter that down weights low frequency and high frequency sound to better represent the frequency response of the human ear when assessing the likely effects of noise on humans
<b>Ambient noise</b>	All encompassing noise associated with a given environment, usually a composite of sounds from many sources both far and near, often with no particular sound being dominant
<b>Aquifer</b>	A body of rock through which appreciable amounts of water can flow
<b>Assessment</b>	An umbrella term for description, analysis and evaluation
<b>Biodiversity</b>	Biological diversity, or richness of living organisms present in representative communities and populations.
<b>Borrow Pit</b>	An area where soil, sand or gravel has been dug up for use elsewhere
<b>Catchment</b>	The area contributing flow to a point on a drainage system
<b>Contractor</b>	The successful tenderer in the construction process
<b>Controlled Activities Regulations (Scotland) 2011</b>	Controls all engineering activity in or near watercourses
<b>Drift deposits</b>	Drift geology overlying bedrock
<b>Ecosystem</b>	The complex of a community of organisms and its environment functioning an ecological unit
<b>Effect</b>	The result of change or changes on specific environmental resources or receptors
<b>EIA Directive</b>	Directive 85/33/EEC on the assessment of the effects of certain public and private projects on the environment, as amended
<b>EIA Regulations</b>	The Electricity Works (Environmental Impact Assessment) (Scotland) Regulations 2000
<b>Environmental Impact Assessment (EIA)</b>	The process by which information about the environmental effects of a project is evaluated and mitigation measures are identified

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<b>Environmental Statement (ES)</b>	Document provided by the Developer to the Competent Authority, containing environmental information required under Article 5 of Directive 85/337/EEC as amended
<b>European Commission (EC)</b>	Embodies and upholds the general interest of the European Union. The Commission is the driving force in the Union's institutional system
<b>European Union (EU)</b>	Union of European States
<b>Fill</b>	Material deposited by man in ground depression or excavated area
<b>Floodplain</b>	Land adjacent to a river, which is subject to regular flooding
<b>Glacial Till</b>	The part of glacial drift which was deposited directly by the glacier. It may vary from clays to mixtures of clay, sand, gravel and boulders
<b>Ground Investigation</b>	Exploratory investigation to determine the structure and characteristics of the ground influenced by a development. The collected information is used to establish or predict ground and groundwater behaviour during, and subsequent to, construction
<b>Groundwater</b>	Water below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil
<b>Habitat</b>	Term most accurately meaning the place in which a species lives, but also used to describe plant communities or agglomerations of plant communities, as used, for example in a Phase 1 Habitat Survey
<b>Habitats Directive</b>	EC Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora
<b>Hardstanding</b>	Concrete or other material that allows cars and other vehicles to be parked on it
<b>Heavy Goods Vehicle (HGV)</b>	Vehicles with 3 axles (articulated) or 4 or more axles (rigid and articulated)
<b>Holt</b>	Underground otter shelters
<b>Hydrological</b>	The exchange of water between the atmosphere, the land and the oceans
<b>Impact</b>	Any changes attributes to the proposed development that have the potential to have environmental effects (i.e. the causes of the effects)

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<b>Job year(s)</b>	The number of full time equivalent jobs that are supported for one year
<b>LA10</b>	The abbreviation of the 10 percentile noise indicator, often used in the measurement of road traffic noise
<b>LA90</b>	The abbreviation of the 90 percentile noise indicator, often used for the measurement of background noise
<b>LAeq</b>	The abbreviation of the A-weighted equivalent continuous sound pressure level
<b>Landform</b>	Combination of slope and elevation producing the shape and form of the land surface
<b>Landscape</b>	Human perception of the land, conditioned by knowledge and identity with a place
<b>Listed Building</b>	Building included on the list of buildings of special architectural or historic interest and afforded statutory protection under the 'Planning (Listed Buildings and Conservation Areas) (Scotland) Act 1997' and other planning legislation. Classified categories A – C(s)
<b>Magnitude</b>	Size, extent, scale and duration of an impact
<b>Mire</b>	General term which embraces all those peat-forming ecosystems; bog, fen, carr, muskeg, moor and peatland. Does not include marshes since they are by definition, nonpeat-forming and are seasonally flooded. Mires are subdivided into fens and bogs on the basis of the origin and chemistry of their respective water supplies
<b>Mitigation</b>	Term used to indicate avoidance, remediation or alleviation of adverse impacts
<b>Plantation woodland</b>	Woodland of any age that obviously originated from planting
<b>Ramsar site</b>	Wetlands of international importance, designated under the Ramsar Convention
<b>Riparian vegetation</b>	Natural home for plants and animals occurring in a thin strip of land bordering a stream or river
<b>Roost</b>	Any resting site used by bats including maternity roosts which are used by females and their young, hibernacula which are used during winter hibernation and transitional roosts which may be used at any time

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<b>Runoff</b>	Water that flows over the ground surface to the drainage system. This occurs if the ground is impermeable or if permeable ground is saturated
<b>Salmonid</b>	Belonging to the salmon family
<b>Scheduled Monument (SM)</b>	A monument which has been scheduled by the Scottish Ministers as being of national importance under the terms of the 'Ancient Monuments and Archaeological Areas Act 1979'
<b>Semi-natural woodland</b>	Woodland that does not obviously originate from planting. The distribution of species will generally reflect the variations in the site and the soil. Planted trees must account for less than 30% of the canopy composition
<b>Sett</b>	The burrow system of badgers comprising a series of underground tunnels and chambers. There are several categories of sett including a main sett, annexe sett, subsidiary sett and outlier sett
<b>Sites of Special Scientific Interest (SSSI)</b>	Areas of national importance. The aim of the SSSI network is to maintain an adequate representation of all natural and semi-natural habitats and native species across Britain
<b>Solid geology</b>	Bedrock formations
<b>Special Area of Conservation (SAC)</b>	An area designated under the EC Habitats Directive to ensure that rare, endangered or vulnerable habitats or species of community interest are either maintained at or restored to a favourable conservation status
<b>Special Protection Area (SPA)</b>	An area designated under the Wild Birds Directive (Directive 74/409/EEC) to protect important bird habitats. Implemented under the Wildlife and Countryside Act 1981
<b>Spraint</b>	Otter faeces
<b>Study Area</b>	The area(s) over which desk based or field assessments have been undertaken. The study area varies depending on the nature of the potential effects within each discipline, as informed by professional guidance and best practice regarding EIA. The study areas are therefore explained within the methodology section of the relevant chapters
<b>Sustainable Drainage Systems (SuDS)</b>	A sequence of management practices and control structures designed to drain surface water in a more sustainable fashion than some conventional techniques
<b>Territory</b>	A defended area

<b>Threshold</b>	The minimum intensity or value of a signal etc. that will produce a response or specified effect
<b>Turbid</b>	High concentrations of suspended sediment and particulates in the water column
<b>Water Framework Directive (WFD)</b>	Wide-ranging European environmental legislation (2000/60/EC). Addresses inland surface waters, estuarine and coastal waters and groundwater. The fundamental objective of the WFD is to maintain “high status” of waters where it exists, preventing any deterioration in the existing status of waters and achieving at least “good status” in relation to all waters by 2015
<b>Water quality</b>	The chemical and biological status of various parameters within the water column and their interactions, for example dissolved oxygen, indicator metals such as dissolved copper, or suspended solids (the movement of which is determined by hydrological process and creates geomorphological landforms)
<b>Wildlife and Countryside Act 1981 (WCA)</b>	Principal mechanism for wildlife protection in the UK
<b>Zone of Theoretical Visibility (ZTV)</b>	Area of land over which a development may be visible, as determined by analysis of OS data and field survey