

## Abbreviations

BAPs	Biodiversity Action Plans
CAR	Water Environment (Controlled Activities) (Scotland) Regulations 2005
CEMP	Construction Environmental Management Plan
CIEEM	Chartered Institute of Ecology and Environmental Management
cm	Centimetres
EIA	Environmental Impact Assessment
EIA Report	Environmental Impact Assessment Report
ECU	Energy Consents Unit
EclA	Ecological Impact Assessment
ECoW	Ecological Clerk of Works
EPS	European Protected Species
ES	Environmental Statement
FCS	Forestry Commission Scotland
FDC	Flow Duration Curve
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GPS	Global Positioning System
GWDTE	Groundwater Dependent Terrestrial Ecosystems
ha	Hectare (an area measuring 10,000m <sup>2</sup> )
HER	Highland Historic Environment Record
HES	Historic Environment Scotland
HGV	Heavy Goods Vehicle
IEEM	Institute of Ecology and Environmental Management
IEF	Important Ecological Feature
IEMA	Institute of Environmental Management and Assessment
Km	Kilometre
Km <sup>2</sup>	Kilometre squared
kV	Kilovolt
(L)BAP	(Local) Biodiversity Action Plan
LCT	Local Character Type
LCZ	Local Character Zone
LDFT	Lochaber and District Fisheries Trust
LDSFB	Lochaber District Salmon Fishery Board
m	metre
m <sup>3</sup>	metres cubed
m <sup>3</sup> /s	metres cubed per second
m <sup>3</sup> /day	metres cubed per day
Mm <sup>3</sup>	million cubic metres
mm	millimetre
MW	Megawatt (1,000 kW)
m <sup>3</sup> /s	Cubic metres per second
NGD	Noise Generating Development

NMRS	National Monuments Record of Scotland
NPF	National Planning Framework for Scotland
NSD	Noise Sensitive Development
NSR	Noise Sensitive Receptor
NTS	Non-technical Summary
NVC	National Vegetation Classification
OS	Ordnance Survey
PAN	Planning Advisory Note
RSPB	Royal Society for the Protection of Birds
SAC	Special Area of Conservation
SEPA	Scottish Environment Protection Agency
SLA	Special Landscape Area
SM	Scheduled Monument
SMR	Sites and Monuments Record
SNH	Scottish Natural Heritage
SPA	Special Protection Area
SPP	Scottish Planning Policy
SSSI	Site of Special Scientific Interest
THC	The Highland Council
TN	Target Note
UKBAP	United Kingdom Biodiversity Action Plan
VER	Valued Ecological Receptor
WFD	Water Framework Directive
WHO	World Health Organisation
ZTV	Zone of Theoretical Visibility

## Glossary of Terms Specific to The Proposed Development

Access Tunnel	Provides access to the cavern power station.
Administration Building	An above ground administration building required for day to day operational and maintenance tasks.
Cavern Power Station	A series of underground caverns containing reversible pump turbines and motor-generators together with associated equipment such as transformers and switchgear.
Cofferdam	A watertight enclosure pumped dry to permit construction work below the waterline.
Compensation Flow	Water released at the foot of the dam to maintain a flow of water down a watercourse (see Q95).
Dam	A new dam would be constructed to enable the storage of water, significantly increasing the size of the existing Loch a' Choire Ghlais to form the upper reservoir.
Emergency Access Tunnel	Provides an emergency access route from the cavern power station and ventilation shaft to a tunnel portal on the shore of Loch Lochy.
High Pressure Tunnel	The headrace tunnel transitions to a high pressure shaft and high pressure tunnel.
Headrace Tunnel	A low pressure tunnel leading from the upper reservoir to the cavern power station.
Intake Tower	A structure located in the upper reservoir to direct water into the headrace tunnel and underground waterway system (see also Upper Control Works).
Jetty	Constructed on the shore of Loch Lochy to facilitate use of the Caledonian Canal system for the transport of heavy equipment and materials, and the removal of tunnel spoil.
Lower Control Works	Two screened inlet / outlet structures and stop logs, positioned at the end of the tailrace tunnel below minimum water level. These structures would channel water in and out of Loch Lochy.
Lower Reservoir	Loch Lochy
Lower Reservoir Works	Term used to describe all works at the lower reservoir.
Mucomir Barrage and Hydroelectric Power Station	Loch Lochy water levels are currently controlled by the operation of Mucomir Hydroelectric Power Station.
Pumped Storage Hydro	A proven technology with the ability to consume and store large quantities of energy making it a flexible and efficient electricity storage solution, helping to balance supply and demand across the National Grid with the ability to quickly respond to varying demands.
Q95	The predicted minimum flow of water in m <sup>3</sup> /s for 95% of the time in a given month.
Spillway Channel	Discharge point at the dam designed for natural flood events.
Surge Shaft	Designed to respond to fluctuations in pressure within the underground tunnels.
Tailrace Tunnel	A tunnel to convey water between the cavern power station and the lower reservoir.
Underground Waterway System	A series of underground intakes, caverns and tunnels carrying water between the upper reservoir and lower reservoir through the cavern power station.
Upper Control Works	Comprising the intake tower within the upper reservoir (including screens) and the gate/gate shaft. Access to the gate shaft would be through a short access tunnel high on the right abutment of the dam.
Upper Reservoir	Created for the storage of water by the construction of a dam which would inundate the existing Loch a'Choire Ghlais and impound the Allt a'Choire Ghlais watercourse.
Upper Reservoir Works	Term used to describe the construction of the upper reservoir, dam, upper control works, surge shaft and ventilation shaft.
Ventilation Shaft	Aids the circulation of fresh air through the underground access tunnel and powerhouse complex.

Where relevant, specialist terms are referred to at the start of each chapter.