

# The Highland Council, Cairngorms National Park Authority & Scottish Natural Heritage Undergrounding of Extra High Voltage Transmission Lines

## Glossary

AAAC	All Aluminium Alloy Conductors - the type conductor proposed for use on the Beaully - Denny OHL.
AC	Alternating current
APG	Austrian Power Grid (the Austrian TNO), which is part of Verbund.
CAPEX	Capital Expenditure i.e. cost of plant
CBS	Cement-Bound Sand - a cable trench backfill material with good heat transfer characteristics.
CNPA	Cairngorms National Park Authority
CO <sub>2</sub>	Carbon Dioxide
dBA	Decibel Absolute (measurement of sound level)
DC	Direct Current
DTI	Department of Trade and Industry
EHV	Extra High Voltage (typically above 200kV)
ETSO	European Transmission System Operators - trade association for European TNOs
FF	Fluid Filled - a type of EHV cable (refers to insulation)
GHG	Green House Gas (emissions)
GIL	Gas Insulated Line - a rigid form of EHV conductor comprising rigid busbars supported in a tubular casing, insulation being achieved using a special gas
GRTN	Gestore Rete Transmisione Nazionale - the Italian TNO
GW	GigaWatt = 1,000 MW = 1million kW
NGC	National Grid Company (Transmission System Owner / Operator for England & Wales)
OFGEM	Office of Gas and Electricity Markets
OHL	Overhead Line
kV	Kilovolt (1000 Volts)
MW	Mega Watt = 1000kW
MVA	MegaVoltAmperes (measure of power – product of kilovolts and kiloamps)
NMRS	National Monument Record Scotland
OHL	Overhead Line
PPL	Paper / polypropylene laminate (refers to cable insulation)
RETS	Renewable Energy Transmission Study
ROC	Renewable Obligation Certificate
SCL	Super Conducting Line
SEC	Sealing End Compound - the transition between an overhead line and an underground cable
SEPA	Scottish Environment Protection Agency
SHETL	Scottish Hydro Electric Transmission Limited - the Transmission Licensee for the North of Scotland
SNH	Scottish Natural Heritage
SP	Scottish Power
THC	The Highland Council

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TNO	Transmission Network Owner
TSO	Transmission System Operator
TUOS	Transmission Use of System (Charge)
UGC	Underground Cable
XLPE	Cross-linked Polythene (refers to a solid cable insulation)