

CLIMATE CHANGE PLANNING GUIDE: ABBREVIATIONS

AD	Anaerobic Digestion: The biological digestion of organic material to produce gas (methane) for combustion, also produces a waste material similar to compost and suitable for use as a soil improver.
AMR	Advanced Modular Reactor (Nuclear): Small nuclear reactor similar in scale to those used for marine applications.
AR6	Intergovernmental Panel on Climate Change 6th Assessment Report, 6 th annual report of the Conference of the Parties
ASHP	Air Source Heat Pump: Mechanism, similar to a fridge or air conditioning unit, to extract heat from air and concentrate it where needed.
ASHP	Air Source Heat Pump: Mechanism, similar to a fridge or air conditioning unit, to extract heat from air and concentrate it where needed.
BEIS	Department for Business, Energy and Industrial Strategy, UK Government department
BEV	Battery Electric Vehicle: Vehicle operated entirely by electrical battery power.

BIPV	Building Integrated Photovoltaics: Photovoltaic panels built into a building or structure, not free standing or roof mounted, but forming part of the structure. Examples being 'solar tiles'.
BMV	Best and Most Versatile (agricultural land classification)
BNG	Biodiversity Net Gain
BREEAM	Building Research Establishment Environmental Assessment Method
CO₂	Carbon dioxide: Principal greenhouse gas, often used as a measure of global warming potential
CO₂e	Carbon Dioxide equivalent: Any combination of a collection of greenhouse gases expressed as a quantity of carbon dioxide giving the same global warming potential.
COP	United Nations Framework Convention on Climate Change Conference of the Parties
CSH	Code for Sustainable Homes
D2	Derby and Derbyshire
DNC	Designed Net Capacity: The net output of an energy generating installation – total energy output minus the energy needed to operate the system.

DVMWHS	Derwent Valley Mills World Heritage Site
EV	Electric Vehicle: Vehicle operated entirely by electrical battery power.
EVCP	Electric Vehicle Charge Point: Fast: 7-22KW Rapid/ultra-rapid 50-350KW
FRA	Flood Risk Assessment
GHG	Greenhouse Gas
GSHP	Ground Source Heat Pump
h₂	Hydrogen
ICE	Internal Combustion Engine: An engine (or vehicle) powered by an internal combustion engine using fossil fuels.
IPCC	Intergovernmental Panel on Climate Change
KW	Kilo Watt
LED	Light Emitting Diode
LEVIS	Derbyshire Low-Emission Vehicle Infrastructure Strategy

LP	Local Plan
Met Office	UK Meteorological Office
MfDS	Manual for Derbyshire Streets
MMC	Modern Methods of Construction
MWe	Mega Watts electricity
NOAA	United States National Oceanographic and Atmospheric Administration
NP	Neighbourhood Plan
NPPF	National Planning Policy Framework 2021
Passivhaus	Design and specification of dwelling reducing to almost zero the amount of space heating required.
POS	Public Open Space: Area identified in a development plan for use by the public for recreation
ppm	Parts per million: Measure of concentration, used as an expression of the concentration of one substance in a mixture, normally gases in low concentrations where concentrations would be significantly less than 1%. 400ppm = 0.0004%
PRoW	Public Right(s) of Way: Statutory designation of a route for use by the public, including public footpaths and bridleways

PSD	<p>Passive Solar Design:</p> <p>A combination of design features in a building specifically for the capture and retention of heat from the sun, the purpose of which is to reduce the need for additional heating</p>
PV	<p>Photovoltaic (solar electricity):</p> <p>Generally referring to solar panels used to convert sunlight directly into electricity</p>
SAMs	<p>Scheduled Ancient Monuments:</p> <p>Statutory designation of sites, features or buildings of historic cultural importance.</p>
SMR	<p>Small Modular Reactor (Nuclear):</p> <p>Small nuclear reactor similar in scale to those used for marine applications.</p>
SPD	<p>Supplementary Planning Document:</p> <p>Statutory document forming part of the development plan.</p>
SPG	<p>Supplementary Planning Guidance:</p> <p>Non-statutory document providing guidance only, may be developed into an SPD where there are appropriate policies in the development plan, on which the SPG will provide more detailed guidance.</p>
ST	<p>Solar Thermal (Water heating):</p> <p>Panels, normally containing a liquid for heat transfer, used to convert sunlight (infra-red) into heat, normally for water or space heating.</p>

SuDS	<p>Sustainable Drainage System:</p> <p>System of permeable surfaces, swales and water features and ponds to reduce surface water run-off, increase permeability of the ground and encourage groundwater re-charge and slow surface flow in preference to direct, piped connection with sewers or water courses.</p>
UKHS	<p>UK Hydrogen Strategy, August 2021</p> <p>UK Government policy statement on the development and implementation of hydrogen as a fuel.</p>
ULEV	<p>Ultra-Low Emissions Vehicle:</p> <p>Frequently a hybrid of battery electric or hydrogen fuel cell and internal combustion engine to power a vehicle, greatly reducing the fossil fuel use and reducing emissions. ULEVs can frequently run for short periods in a BEV mode.</p>
UNEP	<p>United Nations Environmental Programme</p>
UNFCCC	<p>United Nations Framework Convention on Climate Change</p>
WP	<p>White Paper:</p> <p>UK Government policy document, precursor to legislation</p>
WTG	<p>Wind Turbine Generator:</p> <p>A wind turbine, device for converting wind energy directly to electricity, either horizontal axis (windmill) or vertical axis (anemometer).</p>