CLIMATE CHANGE STATEMENT

location	Land to South of Marshlands House, Marsh Lane, Shepley, Huddersfield, HD8 8AY
application	Erection of Detached Dwelling and Associated Works
client/applicant	Mr & Mrs S Forster
job number	25/1210
date	January 2026

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ARCHITECTURE | PLANNING | DESIGN

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Part 1: Applicant details

Name of applicant/agent	Paul Matthews ARCHITECTURAL - agent Mr & Mrs S Forster - applicants
Site Address	Land to South of Marshlands House, Marsh Lane, Shepley, Huddersfield, HD8 8AY
Description of Development	Erection of Detached Dwelling and Associated Works

Part 2: Climate Change Mitigation measures

Please respond to the following questions considering the measures set out in the Climate Change Guidance note:

Q1: What measures have been/will be taken to reduce the energy demand associated with your proposed development beyond the minimum required in Building Regulations? (See section 2)

This proposed dwelling goes above and beyond the baseline/minimum requirements of the building regulations in relation to the conservation of fuel and power along with the carbon footprint of the dwelling.

Numerous low carbon aspects have been integrated into the proposals, such as, but not limited to;

- Smart energy metering
- LED lighting to be installed
- Materials to be sourced locally where possible
- Local contractors to be preferred for the development (reducing carbon emissions)
- EV charging facilities to be installed
- Soft landscaping within the application site to help minimise surface water run-off
- Solar panels to the South East roof slope.
- Provision of ASHP.
- Possible rainwater harvesting.
- Mechanical Heat recovery system
- High levels of thermal insulation
- Well sealed dwelling with low levels of air leakage.

Building Regulations applies to this application, subject to a formal approval a Building Control application will be prepared, this will require formal compliance with the Building Regulations.

Q2: What measures have been/will be taken to limit the carbon consumed through the implementation and construction processes, e.g. by reusing existing on-site materials or sourcing materials locally? (See section 3)
All proposed materials (natural stone, slate slates, timber, glass, concrete etc) are all fully recyclable.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

An EVCP is proposed as part of the proposals.

Surface water may be harvested for reuse.

An Air source heat pump is proposed to provide heat for the well insulated proposed dwelling.

Solar array to the South East Roof Slope.

Property to have smart energy metering.

LED lighting to be installed throughout reducing the electric demand/consumption.

Materials to be sourced locally where possible

Local contractors to be preferred for the development (reducing carbon emissions)

Mechanical Heat recovery system to be incorporated.

High levels of thermal insulation with the proposed dwelling well sealed with low levels of air leakage.

Q4: What measures have been/will be taken to ensure the building design and layout has been optimised to energy efficiency beyond the minimum requirements in Part L of the Building Regulations ? (See section 5)
As noted within Q1 – The proposals goes above and beyond the minimum requirements of the Building Regulations in relation to the DTER (Dwelling Target Emission Rate). The integration of renewables will result in allow carbon property with a very good thermal efficiency/Energy Performance Certificate).

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
Flooding does not apply to this proposal.
Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. Water retention and minimisation measures) (See sections 7 and 8)
Surface water may be harvested on site for reuse, reducing the reliance of fresh water. All appliances will have restricted flows to reduce the water consumption of the proposed dwelling in relation to and achieving compliance with the Building Regulations.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The PEA accompanying the application demonstrates the current low value of the site and existing building. Enhancements within the recommendations of the PEA have been incorporated within the proposals.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
An EVCP is proposed to the dwelling, this will promote the use of an electric vehicle as opposed to current traditional petrol/gas vehicles. Locally sourced materials will receive preference. Local contractors will be used wherever possible/practical.

Appendix B – Further information

Kirklees Local Plan
The development plan for the Kirklees Council area (www.kirklees.gov.uk/localplan)

Planning applications guidance and advice notes
https://www.kirklees.gov.uk/beta/planning-applications/guidance-and-advice-notes.aspx

Air Quality and Pollution:
Kirklees Council's website has information on sources of pollution and our Air Quality Management Areas.
https://www.kirklees.gov.uk/beta/crime-and-safety/air-pollution.aspx

Building Design and Layout:
The Construction Industry Research Information (CIRIA) publishes guidance on various construction issues, including building and construction technology and sustainability and the built environment.
www.ciria.org.uk

Information on environmentally friendly construction products can be found from the Royal Institute of British Architects product selector website.
www.ribaproductselector.com

Passivhaus Trust provides guidance for designing for increasing summer temperatures and constructing buildings to a high energy efficient standard using a quality assurance approach.
https://www.passivhaustrust.org.uk/guidance.php

Construction Materials and Techniques:
Information on environmentally friendly construction products can be found from the Royal Institute of British Architects product selector website.
www.ribaproductselector.com

The UK Green Building Council provides information on sustainable building techniques.
https://www.ukgbc.org/

The Building Research Establishment (BRE) Environmental profiles website provide information about sustainable design, energy conservation measures and building materials and components.
www.bre.co.uk

The Construction Industry Research Information (CIRIA) publishes guidance on various construction issues, including building and construction technology and sustainability and the built environment.
www.ciria.org.uk

Production information on certified timber and timber products is available from the Forest Stewardship Council.
https://www.fsc-uk.org/en-uk

Historic England provides advice on energy efficiency and renewable energy in Historic buildings.
https://historicengland.org.uk/advice/your-home/saving-energy/

Passivhaus Trust provides information on Passivhaus buildings and standards.
https://www.passivhaustrust.org.uk/

Carbon Emissions:
The Carbon Trust promotes low carbon technology and gives information on how to work out carbon emissions associated with energy use.
www.thecarbontrust.co.uk

The Energy Saving Trust provide advice on renewable energy, energy efficiency and conservation.
www.est.org.uk

Information on combined heat and power and community heating is available from the Combined Heat and Power Association.
www.chpa.co.uk

The National Energy Foundation gives information on energy conservation, energy efficiency and renewable energy technologies.
www.nef.org.uk

Waste Minimisation:
Kirklees Council Waste Management Design Guide for New Developments (www.kirklees.gov.uk/beta/planning-applications/pdf/waste-management-design-guide-new-developments.pdf)

The Building Research Establishment (BRE) has produced a practical guide for small builders to help them reduce waste and operate more sustainably.
https://www.bresmartsite.com/sustainable-construction-methods/

The Construction Industry Research Information (CIRIA) publishes guidance on various construction issues, including aggregate recycling.
www.ciria.org.uk

Flooding and Drainage:
Government guidance on flood resilient construction of new building.
https://www.gov.uk/government/publications/flood-resilient-construction-of-new-buildings

Calder Valley Strategic Flood Risk Assessment (SFRA):
https://www.calderdale.gov.uk/v2/sites/default/files/strategic-flood-risk-assessment_0.pdf