

CLIMATE CHANGE STATEMENT

Location	Helm Farm, Colne Bridge, Bradley, Huddersfield, HD5 0PU.
application	Conversion/Demolition and Restoration of Former Agricultural Buildings to Dwellings.
client/applicant	Mrs Dransfield & Mrs Atkinson
job number	21/703.
date	May 2023.

Ltd
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Part 1: Applicant details

Name of applicant/agent	Paul Matthews ARCHITECTURAL - agent Mrs Dransfield & Mrs Atkinson - applicants
Site Address	Helm Farm, Colne Bridge, Bradley, Huddersfield, HD5 0PU.
Description of Development	Conversion/Demolition and Restoration of Former Agricultural Buildings to Dwellings.

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)
<p>This proposed dwellings 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.</p> <p>The existing mass will assist in compliance with AD L (Overheating). With the integration of thermal insulation within the existing shells the dwellings will be energy efficient with less reliance upon fossil fuels.</p>
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)
<p>Natural stone, resulting from demolition, will be set aside for reuse within the development (walling/dry stone walling).</p> <p>All proposed materials, specifically stone & timber are all fully recyclable.</p>
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

EVCP will be provided to each new dwelling as part of the proposals.

Surface water will be disposed of in a sustainable manner.

An air source heat pumps are likely to be integrated into the proposed new dwellings (energy calculations yet to be carried out for each unit)

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).

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 although the removal of a large building will reduce the intensity of surface water run off on site.

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)

All sanitaryware 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)

Refer or ecology report accompanying the application.

We are more than willing to discuss appropriate ecological enhancements as part of the works with the Local Authority Ecology officer

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)

EVCP are proposed to each of the proposed dwellings, this will promote the use of an electric vehicle as opposed to current traditional petrol/gas vehicles.

All light fittings will be low energy reducing electric demand of the development.

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