CLIMATE CHANGE STATEMENT

location	Land Off Far Lane, Hepworth, Holmfirth, Huddersfield, HD9.
application	Removal of All Equine Buildings/Structures and Stables and Erection of Detached Dwelling.
client/applicant	Mr & Mrs B Hodgson
job number	24/1044
date	August 2024

PAUL MATTHEWS ARCHITECTURAL Ltd

ARCHITECTURE | PLANNING | DESIGN
Malkin Farm
Brow Lane
Holmfirth
HD9 2RJ
07946872499
paul@paulmatthewsarchitectural.co.uk
www.paulmatthewsarchitectural.co.uk
Company Registration Number: 09898149 - Company Registered in England and Wales

Part 1: Applicant details

Name of applicant/agent	Paul Matthews ARCHITECTURAL - agent Mr & Mrs B Hodgson - applicants
Site Address	Land Off Far Lane, Hepworth, Holmfirth, Huddersfield, HD9
Description of Development	Removal of All Equine Buildings/Structures and Stables and Erection of Detached Dwelling

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. Building Regulations applies to this application, subject to a formal Planning approval a Building Control application will be prepared, this will require formal compliance with the Building Regulations. Solar, air source, triple glazed windows and an air pressure target of <3 will provide a very thermally efficient dwelling.
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)
Materials resulting from the demolition of the equine buildings, will be set aside for reuse (where possible/appropriate). All proposed materials (concrete, cladding, timber, 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. An air source heat pump is proposed to provide heat for the well-insulated proposed dwelling. A large solar array is proposed to the South East facing roof slope.
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)
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)
A BNG report accompanies this application. We are also open to discuss integration of bird boxes or other worthwhile biodiversity enhancements as part of the works.
Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
An EVCP is being provided to the frontage of the proposed dwelling, this will promote the use of an electric vehicle as opposed to current traditional petrol/gas vehicles.

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