

CLIMATE CHANGE STATEMENT

location	Hill Top Farm, Weatherhill Lane, Cartworth Moor, Holmfirth, HD9 2SF
application	Erection of Single Storey Side Extension and Associated Alterations to Dwelling Including Solar Array to South Facing Roof Slope
client/applicant	Mr & Mrs A Lea
job number	25/1169
date	May 2025

Ltd
PAUL MATTHEWS ARCHITECTURAL

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Part 1: Applicant details

Name of applicant/agent	Agent – Paul Matthews Architectural Applicant – Mr & Mrs A Lea
Site Address	Hill Top Farm, Weatherhill Lane, Cartworth Moor, Holmfirth, HD9 2SF
Description of Development	Erection of Single Storey Side Extension and Associated Alterations to Dwelling Including Solar Array to South Facing Roof Slope.

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>The works are subject to a Building Regulations application where compliance will be required. The proposals will provide a more thermally efficient property.</p> <p>The proposals offer a significant improvement to the energy performance of the dwelling and goes far beyond the minimum requirement allowing the dwelling to create 153% of its energy through the proposed solar panels.</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>Sub-contractors and materials will be sourced locally, where possible.</p>

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Materials to be used within the new build (Natural Stone, Blockwork, Timber and Natural Stone Slate Roof Tiles) are wholly recyclable in relation to the proposed side extension. The proposed solar panel array to the south facing roof slope will utilise renewable energy to a very high output and standard.

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)

The proposals for the side extension will present a more energy efficient dwelling for the future as a result of the design encapsulating part of the existing property with a significantly higher thermal efficiency.

The decision for installing solar panels to the South facing roof slope will ensure the highest efficiency of the panels to produce maximum levels of renewable energy.

Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)

Flood risk does not apply to this application

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)

Not applicable on this application.

Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)

Not applicable on this application.

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

Not applicable on this application.

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