

CLIMATE CHANGE STATEMENT

location	Land to rear of 23 Dalton Fold Road, Dalton, Huddersfield, HD5 9NL.
application	Outline Planning application for the Erection of a Detached Dwelling
client/applicant	Sandra Wilcox
job number	23/941
date	July 2024

ARCHITECTURE | PLANNING | DESIGN

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Part 1: Applicant details

Name of applicant/agent	Paul Matthews ARCHITECTURAL - agent Mrs Sandra Wilcox - applicant
Site Address	Land to rear of 23 Dalton Fold Road, Dalton, Huddersfield, HD5 9NL
Description of Development	Outline Planning application for the Erection of a 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)
<p>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.</p> <p>Numerous low carbon aspects have been integrated into the proposals.</p> <p>It is intended the proposed dwelling will achieve an EPC rating of A.</p> <p>Installation of smart energy metering. Use of energy efficient A rated appliances. Use of efficient, user friendly controls for electrical & heating management</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>All proposed materials (stone, concrete tiles, timber, etc) are all fully recyclable.</p> <p>External walls will incorporate substantial thermal insulation to give very high thermal performance.</p> <p>All timbers to be from sustainable Forest Stewardship Council (FSC) sources.</p> <p>Walling & roofing materials will be sourced locally to minimise transportation and CO2 emissions.</p> <p>High performance windows & doors to be sourced locally</p>

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.

A solar array is proposed to the South East facing roof slope to provide natural heating for a hot water tank that will be within the roof space of the proposed dwelling.

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.

New water supply to be metered, minimising unnecessary useage.

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

The proposals don't have any negative impact on existing biodiversity.

The Proposals however include for landscaping which will enhance biodiversity of the site.

Development exempt from BNG (biodiversity net gain).

We are open to discuss the integration of bird/bat 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/diesel vehicles.

Materials will be sourced locally to minimise transportation emissions.

Use of mechanical ventilation where required with heat recovery.

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