

## CLIMATE CHANGE STATEMENT

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location	3 Lockwood Scar, Lockwood, Huddersfield, HD4 6BL.
application	Change of use of Dwelling (Listed Building) to form HMO & 2 Self Contained Flats.
client/applicant	G&N Land & Property
job number	24/1023
date	August 2024

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### ARCHITECTURE | PLANNING | DESIGN

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Company Registration Number: 09898149 - Company Registered in England and Wales

## Part 1: Applicant details

Name of applicant/agent	Paul Matthews ARCHITECTURAL - agent G&N Land & Property - applicants
Site Address	3 Lockwood Scar, Lockwood, Huddersfield, HD4 6BL
Description of Development	Change of use of Dwelling (Listed Building) to form HMO & 2 Self Contained Flats.

## 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>Given the listed building status of the building the extent of works needs to be carefully managed to avoid conflict with Listed Building requirements.</p> <p>Whilst a Building Regulations application is required for the work and thermal efficiencies are proposed such as insulation to the internal surface of the external walls and slimline double glazed units we are somewhat restricted.</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>Local trades will be used where possible.</p> <p>All proposed materials, specifically timber, is fully recyclable.</p>
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Given the listed building status this is restricted.

However a cycle rack is proposed within the rear garden/amenity space which will encourage sustainable travel for the occupants.

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)

Several climate change mitigation measures have been incorporated into the proposals.

These include;

- Smart energy metering.
- LED lighting to be installed throughout internally.
- New insulation to improve thermal capabilities.
- Manually controlled heating system with booster override to reduce consumption and waste.

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)

Low water consumption flush toilets will be used throughout with zoned heating and booster switches to save energy waste.

Push taps will be used to the HMO units to prevent wastage of water.

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

The proposals have no negative impact on ecology, the proposals are exempt from BNG.

We are however 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)

A cycle rack is proposed within the rear garden/amenity space which will encourage sustainable travel for the occupants.

## **Appendix B – Further information**

### **Kirklees Local Plan**

The development plan for the Kirklees Council area ([www.kirklees.gov.uk/localplan](http://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](http://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](http://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](http://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](http://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](http://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](http://www.thecarbontrust.co.uk)

The Energy Saving Trust provide advice on renewable energy, energy efficiency and conservation.

[www.est.org.uk](http://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](http://www.chpa.co.uk)

The National Energy Foundation gives information on energy conservation, energy efficiency and renewable energy technologies.

[www.nef.org.uk](http://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](http://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](http://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](https://www.calderdale.gov.uk/v2/sites/default/files/strategic-flood-risk-assessment_0.pdf)