

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Umar Hussain
Site Address	Land Adj 26 Wheatfield Close, Bury BL9 6QL
Description of Development	New build

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)
• High-performance boiler with Seasonal Efficiency of at least 92 % and f-class rating • Roof, wall and ground floor U-values of 0.13, 0.18 and 0.15 W/m²·K respectively • Airtightness target of 3 m³/m²·h @ 50 Pa with thermal-bridge minimisation details • Mechanical ventilation with heat recovery (MVHR) to recover up to 85 % of waste heat
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)
A low-carbon procurement strategy will minimise embodied emissions: • Specification of locally sourced timber, masonry and aggregates within a 50 km radius • Reuse of on-site materials (e.g., crushed concrete for sub-base) • Supplier commitments to Environmental Product Declarations (EPDs) and low-carbon cement • Consolidated deliveries and site-wide waste management to achieve 95 % material diversion from landfill
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

Installation of a south facing photovoltaic array (approx 3kwp)

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)

Passive design and high-efficiency components will drive energy performance:

- South-facing glazing with solar-control coating and U-value $\leq 1.2 \text{ W/m}^2\cdot\text{K}$
- Compact building form and orientation to maximise winter solar gain and minimise summer overheating
- External shading devices and cross-ventilation paths for passive cooling
- Thermal zonation to concentrate heating in frequently occupied areas

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

A Sustainable Drainage Systems (SuDS) approach will mitigate flood risk:

- Permeable paving to private drives and patios
- Rain gardens and bio-retention basins sized for the 1-in-100-year storm plus 40 % allowance
- Attenuation tank with controlled outfall to public sewer at greenfield runoff rate

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)

Water efficiency will be addressed through specification and reuse:

- Low-flow taps ($\leq 4.5 \text{ L/min}$) and dual-flush WCs (4/6 L)
- Rainwater harvesting tank (2 m^3) serving WC flushing and external irrigation
- Greywater recirculation for washing machine and plant irrigation circuits

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

The landscaping strategy will deliver measurable habitat enhancement:

- Planting schedule of locally native species (e.g., hawthorn, blackthorn, common dog-violet) to support pollinators and nesting birds
- Wildflower meadow strip along the boundary to increase invertebrate diversity
- Installation of bat and bird boxes, hedgehog highways and log-pile refugia
- Targeting a minimum 10 % Biodiversity Net Gain in accordance with local policy

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

Measures to minimise on- and off-site emissions:

- Specification of low- NO_x boiler ($< 70 \text{ mg/kWh}$) or electric heat pump
- Use of non-volatile organic compound (VOC) finishes and adhesives
- Commitment to electric construction plant or bio-diesel alternatives for site machinery
- Consolidated material deliveries and cycle-to-site incentive to reduce traffic emissions