

382 Bradley Road, Huddersfield

Climate Change Statement

November 2023



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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?

The fabric of the new house will be insulated to meet building regs and the client will seek further improvements. All external elements such as windows and doors will be new and have a high energy performance specification. The airtightness will be key to minimising energy use within the building.

Unfortunately, the house is not part of a CHP program. However, smart meter, efficient white good appliances and controlled heating systems can be installed.

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?

The existing house will be demolished and where possible materials will be reused. Unfortunately, the existing house and its materials are of poor quality.

All materials will be bought locally, and local labour is to be used where possible.

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources?

The new roof can have PVs installed, however the design has been developed to be similar to other local houses, so there is no pitch of roof facing directly south. Nonetheless the house will be low energy use and with electricity grid decarbonising, the house will carbon zero in operation in years to come.

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?

The house has been designed to fit into the current street scape. However, the orientation of the house is good, with rear of the house which has the most glazing facing north. There is some glazing to the south and minimal glazing to the east and west. With most glazing facing north, the house will unlikely overheat and will be more energy efficient.

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

The house is at very low risk category for flooding. No additional measures are required.

Q6: What measures have been/will be taken to reduce water stress associated with your proposed development? (e.g. Water retention and minimisation measures)

Water-efficient sanitaryware and appliances will be installed to reduce water usage.

Q7: What measures have been/will be taken to provide biodiversity net gains?

The biodiversity net gain is almost neutral. The new house will be built on the footprint of the existing house and the rear grass area will not be developed.

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

There is space for installation of Electric Vehicle charging point. All materials will be bought locally, and local labour is to be used where possible.