

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Jack Haigh
Site Address	2 Langley Close, Scissett, Huddersfield, HD8 9WH
Description of Development	Instillation of an Air Source Heat Pump

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)
The proposed Air Source Heat Pump will be powered by electricity. Our electricity is supplied by Octopus Energy, who use 100% renewable energy for their electricity, as well as solar panels installed on the property itself.
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)
The installation will be of minimal impact to the property. Existing pipes and holes will be used where appropriate for new piping and cable runs. The existing boiler will be removed and recycled upon completion of the installation.

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

The installation is low carbon technology, with a seasonal coefficient of performance of 3.6 (330% efficiency - the maximum efficiency of a boiler is 97%). The electricity supply used to power the proposed installation is from renewable sources. The property also has solar panels to aid self-consuming renewable energy via the Air Source Heat Pump

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)

No changes to building design or layout.

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

The property has Very low risk means that this area has a chance of flooding of less than 0.1% each year (<https://check-long-term-flood-risk.service.gov.uk/risk#>). The proposed installation will be installed upon a gravel soak away to deal with any excess condensation. The installation will also make use of anti-freeze valves to prevent property damage in the event of a flood.

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)

Excess condensation on the unit is minimal, but will be installed upon a gravel soakaway to mitigate any potential excess water.

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

The proposed heat pump will be replacing the existing boiler, removing a large source of CO2 from the property which in turn contributes to climate and biodiversity recovery.

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

The proposed heat pump will be replacing an existing gas boiler, removing a large source of CO₂ from the property. Air expelled from the unit is the same as the source air for the generation of energy; with heat removed. No air pollution is generated.