Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Jones Homes (Yorkshire) Ltd
Site Address	Land On The East Side Of Primrose Lane, Liversedge, WF15 6ND
Description of Development	Erection of 67 dwellings

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 development will comply with the new part L of the Building Regulations and we will be utilizing air source heat pumps on all new developments moving forward. All plots will be fitted with heating systems that allow temperature to be controlled in different areas of the house independently, as well as occupier handover packs that include information on how to efficiently use their heating and lighting systems. Utility providers will also be installing smart energy metering systems in to all plots to allow residents to efficiently manage and monitor the energy their property is consuming.
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)
As part of the planning application we will be submitting and adhering to an on-site waste management plan during the life of the development. Beyond this we have provided each house with a bin store location within the ownership of their property as well as multiple refuse collection points on site. The roof trusses for each plot are also constructed off-site and transported to site in bulk to limit the number of trips to and from site. A cut and fill exercise will be undertaken with as much material kept on site as possible.
Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)

The proposed development will have an electricity sub-station installed on site that is connected to the existing network. As mentioned, we will also be providing each plot with an air-source heat pump that will be designed to provide heating to the house, as well as cooling.

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)

85% of all properties have at least 1 south facing loped roof which is capable of accommodating the installation of solar panels. We have also provided tree planting to the front of properties and provided tree lined streets to assist which can provide shading to assist with the heating and cooling of houses. We have retained as much of the woodland to the north of the development as possible which will also assist with the heating and cooling of properties in this area of the site, as well as providing protection from wind. All plots will be built to the new Building Regulations Part L as a minimum which includes thicker cavities at 350mm which will accommodate additional insulation to all plots.

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

A Flood Risk Assessment has been undertaken for this site which has informed our drainage strategy for the site. We are proposing to connect the surface water outfall to an existing culvert that runs under the site and drains by gravity to a beck north of the site, and into the Spen River circa 800m to the north of the development which will be at a greenfield run-off rate. A SuDs basin is not suitable for this development given the change in levels, however we have provided permeable paving to all private drives. A large woodland to the north has been retained which will also help in reducing the amount of surface water run-off from the hard surface areas and help with natural absorption of rain. The inclusion of tree-lined streets and planting to the front of properties will help with this. The surface water storage accounts for storms up to the 1 in 100 year events plus 45% climate change event, including 10% urban creep.

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)

Welcome packs for all properties on the development will include information on their water meter and how to minimize water wastage at their property.

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

We have provided a net increase to biodiversity on this development by retaining and enhancing the existing woodland (where possible) as well as future maintenance. This also extends to the retention and enhancement of all hedgerows on the development including future maintenance plans. We will be providing tree lined streets as part of the development, and planting trees in front gardens where possible. This has facilitated the enhancement of the Kirklees Wildlife Habitat Network and will help to reduce the surface water run-off rates by minimizing areas of hardstanding and incorporating vegetation to reduce run-off.

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

The site is bordered on the south and east by an existing PROW, to the west by a Bridleway and to the north by the Spen Valley Greenway. We have provided multiple access points to the PROW, Spen Valley Greenway and Bridleway via footpaths that allow the development to be fully permeable by foot and bike to promote sustainable modes of transport i.e. walking and cycling. We have also undertaken an Air Quality Impact Assessment which has made a number of suggestions to mitigate the impact on air quality during construction and operational phases of the proposed development. We have also prepared a Travel Plan as part of the planning submission which makes references to facilitating the sustainable modes of transport mentioned, and has suggested further monitoring. All plots will be fitted with 1 or more EV charging point.