

Appendix A – Climate Change Statement

Climate Change Statement for Planning Applications

Part 1: Applicant details

Name of applicant/agent	Nick Wright
Site Address	93 Hare Park Lane, Liversedge, WF15 8EN
Description of Development	Erection of 2 storey side extension plus associated landscaping and environmental upgrades. Including reclad of existing 1960's extension to improve thermal and weather performance.

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)
Fabric first approach to increase thermal performance. Use of high performance insulation to the new build element and retrofitting of insulation to the currently poorly performing existing extension. Upgrading of windows and glazing. Upgrading of existing roof build up and high performance insulation to new build roof.
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)
Reuse and upgrading of poorly performing 1960s extension, increasing performance and building life instead of demolition. Reuse and refurbishment of existing stone cottage, repairing and repointing existing stonework rather than demolition. Locally sourced materials where possible and aspirations to use local contractor.

Q3: What measures have been/will be taken to utilise renewable or low carbon energy sources? (See section 4)
Proposal to install solar panels to the south facing pitched roof of the existing stone cottage. Aspiration to remove all gas from the house and replace with an air source heat pump and underfloor heating. This is subject to specialist design at a later stage, subject to suitability of the system when used in the existing stone cottage.
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)
By utilising and insulating the existing rear extension and then wrapping the new build to one side the existing stone cottage is enclosed by a high performance envelope to two sides, thereby increasing it's overall performance and heat retention. This will be a vast improvement on the current lack of insulation to the existing extension and the poorly performing UPVC conservatory. Use of stone as external materials, increasing thermal mass and helping to regulate temperature.
Q5: What measures have been/will be taken to reduce potential impacts of flooding associated with your proposed development? (See section 6)
The address is not within a flood risk zone.
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)
Aspiration to collect rainwater for garden irrigation, already an aspiration to use this for the occupier's vegetable garden. Nature of the new build roof will provide greater attenuation than the existing conservatory, slowing the run off of water.
Q7: What measures have been/will be taken to provide biodiversity net gains? (See section 8)
The new build element follows largely the same footprint as the existing conservatory so results in no loss of biodiversity. Existing laurel hedge is proposed to be moved to follow the perimeter boundary, intention to retain a hedge of similar scale and can introduce beneficial species.

Q8: What measures have been/will be taken to reduce air pollution associated with your proposed development? (See section 9)
Aspiration to replace gas boiler with air source heat pump and solar panels. Subject to suitability when used in old property due to air tightness, to be developed with specialist. Electric vehicle charging point. Intention to use local contractors.