

Appendix 4- Environmental Principles

MHPP partners have pledged their commitment to working towards Zero Carbon development and this project will enable collaboration to confirm our commitment. The energy use in homes makes up around 14% of the UK's emissions of greenhouse gases. Without near complete decarbonisation of the housing stock, we will not meet the UK's climate change targets.

MHPP partners endorse the City's own Top 10 Low Carbon Priorities checklist and will work to incorporate these principles into the design process, where possible, to ensure that both operational and embodied carbon reduction is achieved, and that running costs are lower for residents. There is an overarching commitment to ensure design and specification across P500 sites follow the energy hierarchy by:

- Reducing the need for energy;
- Introducing energy efficient space and water heating
- Maximising the potential for energy supply from low carbon and renewable energy sources

In addition, MHPP Partners will for Project 500 developments:

- Commit to looking at the best energy solutions available on a site-by-site basis.
- Commit to all new homes being built on a 'fabric first' approach with the intention to exceed current and forthcoming 2020, Building Regulations Part L.
- Commit to include renewable energy- including heat pumps, solar thermal and photovoltaic panels where appropriate - to ensure operational carbon and running costs to residents are reduced.
- Consider all sites for suitability for MMC construction to increase efficiency in construction and achieve higher levels of air tightness and insulation.
- Support the use of sustainable transport options for residents including secure cycle storage and EVC provision for all homes.
- Encourage biodiversity, protect natural resources, enhance amenity value including retention of existing trees and landscaping where appropriate.
- Target a reduction in embodied carbon through sourcing alternative low carbon content materials and specifying high recycled content products where possible.