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Arundel Street.
Manchester.
Logik Developments.

SUSTAINABILITY
ENERGY AND ENVIRONMENTAL STANDARDS STATEMENT - ADDENDUM

REVISION 03 – 13.08.2024

Audit sheet.

Rev.	Date	Description of change / purpose of issue	Prepared	Reviewed	Authorised
01	16.03.2022	Initial Issue for Comment	LR	JN	JRF
02	01.04.2022	Updated in response to Comments	LR	RM	JRF
03	13.08.2024	Addendum	R. Palmer	J. Allcock	J. Nuttall

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Addendum.

This report is to be read as an addendum to the Energy and Stainability Statement previously prepared for planning approval.

The following section is an update to the corresponding section within the previously issued report as the strategy has changed to meet the requirements of the updated building regulations and associated policy.

It is understood that all other elements within the original Energy and Stainability Statement remain as previously submitted unless state otherwise in submitted documentation.

1.1 Energy and CO_2 Emissions

1.1.1 MCC Adopted Policy Summary

The following table summarises the adopted MCC policies for energy and CO_2 emissions:

Policy Reference	Target
CS Policy EN4	All development must follow the principle of the Energy Hierarchy, being designed: – to reduce the need for energy through design features that provide passive heating, natural lighting and cooling – to reduce the need for energy through energy efficient features such as improved insulation and glazing – to meet residual energy requirements through the use of low or zero carbon energy generating technologies In addition: – Wherever possible new development and retrofit projects, including energy generation plant, must be located and designed in a manner that allows advantage to be taken of opportunities for low and zero carbon energy supplies. – Where possible new development and retrofit projects will be used as a mechanism to help improve energy efficiency and provide low and zero carbon energy supplies to existing buildings. – Where appropriate new development and retrofit projects will be required to connect to and/or make contributions to low or zero carbon energy schemes and/or to incorporate provision to enable future connection to any existing/potential decentralised energy schemes. – The use of building materials with low embodied carbon in new development and refurbishment schemes
CS PolicyEN5	Within Manchester it is considered that the following strategic areas, indicated on the key diagram, will have a major role to play in achieving an increase in the level of decentralised, low and zero carbon energy supplies available: – The Regional Centre, which also includes the Oxford Road Corridor and Eastlands – District Centres and associated major development sites – Airport Strategic Site – Strategic housing location – Strategic employment locations Within these areas new development, regeneration and retrofit projects, will be expected to take place in the context of more detailed proposals for decentralised low and zero carbon energy infrastructure in the form of energy proposals plans. The Council will work with all relevant stakeholders, which may include developers, landowners, residents, community groups, private sector
	partners, utilities companies, neighbouring authorities and other public sector bodies, as appropriate, to bring forward such plans Where investment or development is being undertaken into or adjacent to a public building/asset or district heating network, full consideration shall be given to the potential role that these can have in providing an anchor load within a decentralised energy network or in creating opportunities for CO_2 reduction funded by contributions.
CS Policy EN6	Developments to achieve the required carbon reduction levels identified by the Policy requirements confirmed by undertaking an Energy Statement. In addition, provision of an energy statement to identify compliance has been undertaken in line with the energy hierarchy.
CS Policy EN7	– Proposals must take account of potential opportunities to source heat from adjoining developments or nearby heating networks. – Heating and cooling systems will have capability of connecting to the decentralised heating network.
SPDPG Section 4.5 (Superseded)	Section 4.5 of the SPDPG 2007 document identifies that a 25% betterment of Part L will be required. This document has been superseded by the CS 2012 document and therefore the policy requirement of CS EN6 will be targeted.
SPDPG Section 4.6 (Superseded)	Section 4.6 of the SPDPG 2007 document identifies that a level of 20% of the final energy demand be provided on site by renewable energy systems.

Table 6.1.1: Summary of MCC Current Policies for Energy and CO2 Emissions.

1.1.2 Approach

Arundel Street will have a reduced impact on climate change by reducing CO_2 emissions associated with energy use.

The energy and CO_2 emissions appraisal has been based on the following approach.

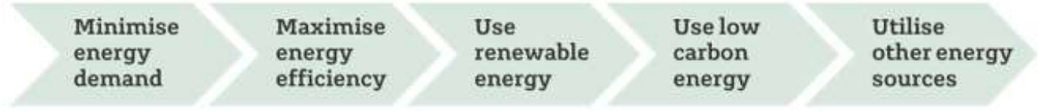


Figure 1: Energy hierarchy.

Against the Part L (2021) notional building regulated energy metric, the Proposed Development is anticipated to achieve a **66.05%** betterment; against the Part L (2021) Primary Energy metric, the Proposed Development is anticipated to achieve a **32.48%** betterment; and against the Part L (2021) Dwelling Fabric Energy Efficiency metric, the Proposed Development is anticipated to achieve a betterment of **5.65%.**

With Part L (2021) compliance, the Proposed Development is anticipated to satisfy Manchester Core Strategy (2012)) policy EN6.

The proposed energy strategy in this report reflects this philosophy and ties in closely with Manchester City Councils carbon zero 2028 / 2038 targets.

This also satisfies the Greater Manchester Joint Development Plan.

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