

Appendix 4 - Information only version: Energy & Sustainability Vision – New Project Checklist

The Vision

“To help our communities become more sustainable by ensuring that the infrastructure that is built will deliver the fundamentals that sustain life at an affordable level with minimum impact on the limited available resources.

Lewes and Eastbourne Councils will integrate sustainability initiatives into all developments to reduce the impact of society on the environment by reducing our carbon footprint, waste, pollution and energy consumption and by promoting sustainable construction and design through the use of renewable energy, conservation of water and reduced flood risk”.

Introduction

*****This document is a guide to the type of standards the councils are expecting from our delivery partner Clear Sustainable Futures. This version does not contain all the information of the live document*****

The checklist is designed to guide the project manager at an early stage, to think about how the development will meet the sustainability vision for Lewes & Eastbourne councils. The checklist should be completed early on based upon known site opportunities and constraints and used to document why certain things should be considered for inclusion or not. Once completed it is appended to the New Project Request as the Energy & Sustainability Form where the project team document how the opportunities shall be delivered. This form will exist as evidence of the thought process and act as an aide memoir to ensure the full potential of the project is realised.

For each of the 4 operational areas the targets are split into 2 parts:

Minimum Standards - these outcomes will be expected as minimum standards for all developments.

Where these minimum standards will not be met, there must be documented analysis of why the elements are not viable giving due regard to the nature of the Clear Futures purpose. These should not be changed

Site Specific Needs – these outcomes should be put forward on a project by project basis. These outcomes will be site specific and tailored to the anticipated use (for example battery storage may be required to address fuel poverty concerns in social housing developments).

Outcomes are specified where the aim is to improve upon current planning policy standards.

These outcomes are designed to challenge the design teams and the market, to come up with solutions that incorporate as many of these ‘like-to-haves’ as possible within budget.

These can be changed on a project by project basis.

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Project Number: **CF**

Project Name:

Ref	Vision Elements	Project Objectives & Sustainability impact	
A	<p>Sustainability for the Public Sector in Delivering Assets</p> <p>Delivering public sector projects and services that support the sustainability of their communities and the lives of their citizens</p>	As A Minimum	<p>The Project will generate its own low carbon energy.</p> <p>A Stage 0 Feasibility Study will be completed to secure funding for deployment. It shall consider heat and power generation and storage to produce all site needs.</p>
		Site Specific Needs	Car parking areas will be designed to allow utilisation of solar canopies
			The site has been assessed for the provision of flexibility services and the site has been registered as a distributed energy resource (DER) with UKPN
			<i>Additional Requirements to be added here</i>
B	<p>Sustainability in Housing, Development and Infrastructure</p> <p>Positively responding to the big changes in growing population, different models of housing ownership and the move towards modular and sustainable construction techniques</p>	As A Minimum	All development is to achieve a greater than 20% reduction on the Dwelling Emission Rate (DER) against the Target Emission Rate (TER) based on Part L of the Building Regs 2013 whilst meeting the TER solely from energy efficiency measures as defined within the SAP calculation model.
			An early screening assessment/score card will be completed to assess the risk of overheating. Where screening flags a potential issue a detailed appraisal will be completed to manage and rectify designs that are at significant risk.
			CO ₂ Savings against recognised benchmark to be measured.
			Residential units will better a water consumption rate of 110 litres or less per person per day
			Rainwater harvesting will be installed at an individual or community level
		Site Specific Needs	LED or other low-energy light fittings specified throughout
			Grey water recycling will be installed at an individual unit or community level
			All white goods will have an energy rating of A+ or above
			Residential heating controls will be SMART.
			Non-residential developments will consider the use of Building Energy Management Software
The pre-fabrication of elements off-site has been evaluated			

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C	Sustainability in Environmental and Natural Resources Positively responding to the big challenges to water security, increased flooding and other impacts of climate change such as coastal erosion	As A Minimum	All developments will seek to improve the site to increase its biodiversity value (required net biodiversity gain) and improve opportunities for local wildlife (referencing site ecology reports and background data searches).
			All roofs and walls will be assessed for the viability of incorporating green, living systems
			All sites will link with and increase the network of green corridors within the locality (prioritisation for native / local species of value to local wildlife).
			Residential developments will provide for tree canopy cover to be no less than 20% of the developed area. There will be prioritisation for native / local species of value to local wildlife.
			High priority for native species of seasonal value and interest to local wildlife (flower, pollen, nut/ seed/berry rich species etc.).
			The design benefits local wildlife (for example movement and roosting/nesting opportunities)
			Plant species listed on the WCA Schedule 9 invasive non-native list will not be used in landscaping planting schedules.
			There will be no more than 20% impermeable surfaces present on the development (not including building footprint)
		Site Specific Needs	A Phase 1 habitat survey has been completed and ecological recommendations, as per the report, implemented during the early design stages that achieve a net biodiversity gain The development will achieve greenfield run-off rates, mitigation measures may for example include rain gardens and attenuation where needed.
D	Sustainability in Economic, Growth and Prosperity. Positively respond to the big changes of a 24/7 economy with increasingly automated infrastructure, housing need changes, and the changing face of employment with continued move to online retail and automated provision of professional services	As A Minimum	The development will provide for superfast broadband
		Site Specific Needs	The development will provide spaces for car club vehicles.

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E	<p>Sustainability in Social Resilience, Health and Well-being</p> <p>Positively responding to the big changes of ageing demographic, smaller working population, poorer older people and multiple chronic health issues with local level solutions</p>	As A Minimum	Residential streets will be designed to be child-friendly with a maximum speed limit of 20mph.
			Car parks will provide for 50% of spaces to have electric vehicle charging points and the electric capacity will be such to enable future increase to all spaces.
			The development will contribute to the creation of a network of cycle and walking routes and bicycle and pedestrian access will be prioritised through the development.
			All waste and recycling streams can be accommodated on site. Recycling facilities are as easy to access as waste.
			Facilities, the location of bins will not cause nuisance and facilitate ease of access for collection vehicles, bins and stores will be vermin proof, there is no adverse impact on the amenity of the area
			A post-occupancy monitoring strategy will be proposed for the site. The site or a proportion of units (as appropriate) will be monitored and tested for an agreed length of time and the data will be maintained and available for scrutiny by the local authority
	Site Specific	There will be at least one public drinking water installation located at an appropriate border with the public realm	
	<i>Additional Requirements to be added here</i>		