1 - 4 units and/or less than 500 square metres

Energy

1. Carbon Reductions

	SAP10.2			Location of justification / supporting Information		Further notes
	Total tCO2e per annum	Stage reduction, tCO2	Stage reduction, %	Document	Page/ section reference	
Baseline	9.01			Energy & Sustain	P12	**Local Plan CC1 & CC2, See Camden Planning Guidance (CPG) on Energy Efficiency for detailed guidance.**
Be Lean	7.98	1.03	11.4%	Energy & Sustain	P15	Be lean should not exceed the baseline figure
Be Clean	7.98	0.00	0.0%	Energy & Sustain	P16	Relevant if connecting to District Heat Network only
Be Green	3.24	4.74	59.4%	Energy & Sustain	P20	Reduction in carbon from on site renewables
TOTAL	**3.24**	**5.77**	**64.0%**	Energy & Sustainabilty Statement		Maximum possible reduction onsite
Target	*0.00*	*9.01*	*100.0%*	Energy & Sustainabilty Statement		Zero carbon is encouraged
Shortfall	3.24	3.24	36.0%			

2. Energy

	Yes / No				
a. Minimises energy use through application of the energy hierarchy?	Yes			Energy & Sustainabilty Statement	P11	**Local Plan policy CC1, CPG Energy Efficiency and Adaptation Cht 3** Local Plan CC1
b. Passive design measures incorporated?	Yes			Energy & Sustain	P13/14	Local Plan CC1, refer to measures in *Camden Planning Guidance on Home Improvements - Appendix 1*
c. Meets all Building Regulation part L1 Limiting Fabric Parameters	Yes			Energy & Sustain	P14	Clearly justify if not met
d. Incorporates renewable technologies where feasible?	Viable (Yes /No)	Proposed (kW)	Expected tCO_2 saved per annum			A robust renewable feasibility assessment should be completed and installation of renewable technologies should be maximised. See chapter 5 of the CPG on Energy Efficiency and Adaptation.
i. Solar PV (photovoltaics)	No			Energy & Sustain	P18	Detail array size, layout drawings, maximise system size
ii. Solar Thermal (hot water)	No			Energy & Sustain	P18	
iii. Air Source Heat Pump	Yes		53	Energy & Sustain	P19	
iv. Ground Source Heat Pump	No		N/A	Energy & Sustain	P19	
v. Other please state						Details required technical details, CO2 savings, air quality impacts, visual or noise implications

Sustainability

3. Overheating

Overheating & cooling	Yes / No	Document	Page/ section reference	**Local Plan Policy CC2 & CPG Energy Efficiency and Adaptation Chapter 3.**
a. Applied cooling hierarchy, passive design measures included?	Yes	Thermal Comfort Analysis		Additional guidance in GLA Energy Assessment Guidance Chapter 8.
b. Overheating - dynamic thermal modelling completed?	Yes	Thermal Comfort Analysis		
c. Is active cooling proposed?	Yes	Thermal Comfort Analysis		Design must be informed by the cooling hierarchy, passive design measure should be incorporated before any active cooling. It is not anticipated that active cooling will be required in new residential development.

4. Green infrastructure

Green infrastructure and biodiversity	Area m^2			**Camden Local Plan Policy CC2, CPG Energy Efficiency and Adaptation Cht 10**
a. Green/blue roof				The Council will expect all developments to incorporate green infrastructure unless it is demonstrated this is not possible or appropriate. This includes new and existing buildings. Please refer to CPG Energy Efficiency and Adaptation chapter 10 for further details
b. Green roof				
c. Vegetated SuDs features i.e. Rain Gardens, Tree pits				
d. Other Green infrastructure please state:				

5. Water

Water efficiency	Response	Unit			**Local Plan CC3 + section 8.55 and CPG Water and Flooding Chapter 2.**
a. Water use per person per day (internal)	104.32	litres	Part G Water Use Calculation		Maximum 105 litres/person/day.
b. Water use per person per day (external) including irrigation	5	litres	Part G Water Use Calculation		Maximum 5 litres/ person / day. CPG Water and Flooding Chapter 2

6. Reducing Waste and the Circular Economy

Material and waste	Response				**Local Plan Policy CC1, London Plan SI 7, CPG Energy Efficiency and Adaptation Cht 9**
a. Pre-demolition audit completed?	N/A				Substantial demolition must justify why the existing buildings can't be retained Local Plan policy CC1.
b. Whole life carbon assessment submitted? (see note)	N/A				Required if there is substantial demolition. Local Plan CC1
c. % of construction & demolition waste be reused/recycled?		%			85% of waste should be diverted from landfill and comply with the Institute for Civil Engineer's Demolition Protocol. (Local Plan CC2)

Additional comments / notes: