

Major new residential (or deep refurbishment)																																																	
Details of new residential proposals:																																																	
Name of applicable buildings/blocks/units		34a Netherhall Gardens																																															
No. of residential units		1																																															
Floor area (GIA), m2		400																																															
Energy Statement				Location of justification / supporting Information		Further notes																																											
1. Carbon Reductions				Document		Page/ section reference																																											
<table border="1"> <thead> <tr> <th colspan="4">SAP10.2</th> </tr> <tr> <th></th> <th>Total tCO2e per annum</th> <th>Stage reduction, tCO2</th> <th>Stage reduction, %</th> </tr> </thead> <tbody> <tr> <td>Baseline</td> <td>4.27</td> <td></td> <td></td> </tr> <tr> <td>Be Lean</td> <td>1.55</td> <td>2.72</td> <td>63.7%</td> </tr> <tr> <td>Be Clean</td> <td>1.22</td> <td>0.33</td> <td>21.3%</td> </tr> <tr> <td>Be Green</td> <td>1.00</td> <td>0.22</td> <td>18.0%</td> </tr> <tr> <td>TOTAL</td> <td>1.00</td> <td>3.27</td> <td>76.6%</td> </tr> <tr> <td>Target</td> <td>0.00</td> <td>4.27</td> <td>100.0%</td> </tr> <tr> <td>Shortfall</td> <td>1.00</td> <td>1.00</td> <td>23.4%</td> </tr> <tr> <td>Offset payment</td> <td colspan="3">£2,850</td> </tr> </tbody> </table>				SAP10.2					Total tCO2e per annum	Stage reduction, tCO2	Stage reduction, %	Baseline	4.27			Be Lean	1.55	2.72	63.7%	Be Clean	1.22	0.33	21.3%	Be Green	1.00	0.22	18.0%	TOTAL	1.00	3.27	76.6%	Target	0.00	4.27	100.0%	Shortfall	1.00	1.00	23.4%	Offset payment	£2,850			AD Part L12021 SAP Assessment		See GLA Energy Assessment Guidance & Camden Planning Guidance (CPG) on Energy Efficiency for detailed guidance. All major applications should also complete & submit GLA Carbon emission reporting spreadsheet			
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2. Regulated and whole life carbon emissions				NOT APPLICABLE		CPG Energy Efficiency and Adaptation Chapters 6 & 9																																											
Regulated and whole life carbon				Yes / No		This should include baseline calculations.																																											
a. Worksheets provided (TER and DER for each stage)				Yes		Required for referable applications or if there is 'substantial demolition'. Refer to GLA Whole Life Carbon Assessment Guidance - Local Plan CC1 & CPG Energy Efficiency 9.5 - 9.8																																											
b. Whole Life Carbon Assessment provided				No																																													
3. Be Lean				NOT APPLICABLE		Clearly justify if not met																																											
a. Building Fabric				Yes / No		Clearly justify if not met																																											
i. Meets all Building Regulation part L1 Limiting Fabric Parameters				Yes																																													
ii. Meets all Part L1 Notional Dwelling Specification				Yes																																													
iii. What is the proposed Air permeability?				4		m3/(h.m2) @ 50Pa																																											
b. Active design measures				Yes / No																																													
i. Efficient centralised MVHR or individual units next to external wall				Yes																																													
4. Be Clean				NOT APPLICABLE		Camden Local Plan Policy CC1, London Plan Si 3, CPG Energy Efficiency and Adaptation Chapter 4 (includes link to Camden's Borough Wide Heat Demand and Heat Source Mapping study)																																											
Potential decentralised energy network				Yes / No		State location & detail feasibility of connection.																																											
a. Is the site within 500m of existing network?				No		State location & detail future proofing of connection.																																											
b. If no to a) Within 1km of existing or potential network?				No		See Appendix 3 of CPG Energy Efficiency and Adaptation																																											
c. If yes to b) Future proofing checklist completed?				No		See Appendix 3 of CPG Energy Efficiency and Adaptation																																											
d. Is a site wide heat network proposed?				No																																													
e. CHP and District Heating Feasibility Checklist completed?				No																																													
5. Be Green				NOT APPLICABLE		London Plan Policy Si 2, Camden Local Plan Policy CC1 and section 8.11																																											
Minimum 20% reduction in CO2 from on-site renewable energy technologies				Viable (Yes /No)		Proposed (kW)		Expected tCO2e saved per annum																																									
a. Solar PV (photovoltaics)				Yes				2kWp South Facing																																									
b. Solar Thermal (water heating)								Details required include type of system / details of the Coefficient of Performance (COP) and Energy Efficiency Ratio (EER) / CO2 savings / noise and visual effects / commitment to monitoring the performance post-construction / information to and control by end-users																																									
c. Air source heat pump (air to water)				Yes				Daikin ASHP Unit																																									
d. Air source heat pump (air to air)								Details required technical details, CO2 savings, air quality impacts, visual or noise implications																																									
e. Ground source heat pump																																																	
f. Other please state																																																	
g. Other please state																																																	
6. Be Seen				NOT APPLICABLE		London Plan Policy Si 2, Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation Chapter 5																																											
a. Building management, metering and monitoring				Yes / No		See GLA Be Seen Energy Monitoring Guidance.																																											
i. Will there be a whole-building energy management system (BEMS)?				No																																													
ii. Will all units be individually metered?				Yes																																													
iii. Will key plant be monitored post construction?				Yes																																													
b. Be Seen reporting requirements to Greater London Authority (GLA)				Yes / No																																													
i. Required data will be uploaded to GLA 'Be Seen' portal				No																																													
Sustainability Statement				Location of justification / supporting Information		Further notes																																											
7. Overheating				Document		Page/ section reference																																											
Overheating				Yes / No		Local Plan Policy CC2, London Plan Policy Si 4, GLA Energy Assessment Guidance Chapter 8.																																											
a. Applied cooling hierarchy, passive design measures included?				Yes		See GLA Energy Assessment Guidance, Good Homes Alliance 'Early Stage Overheating Risk Tool'.																																											
b. Overheating risk tool completed and provided?				Yes		Requirements set out in The GLA Energy Assessment Guidance Chapter 8.																																											
c. Overheating - dynamic thermal modelling completed?				Yes		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.																																											
d. Is active cooling proposed?				No																																													
Passive measures				Yes / No		CPG Energy Efficiency and Adaptation Chapter 3																																											
i. Orientation and site layout optimised				Yes		Requirements set out in Building Regs Part O section 1.9																																											
ii. Solar shading incorporated into the design				Yes		Details should be set out as in 7.5 & 7.6 of GLA Energy Assessment Guidance																																											
iii. Exposed internal thermal mass and night time purge ventilation				Yes																																													
v. Other please state																																																	
8. Reducing Waste and the Circular Economy				NOT APPLICABLE		Local Plan Policy CC1, London Plan Si 7, CPG Energy Efficiency and Adaptation Cht 9																																											
Material and waste				Response		Significant demolition must justify why the existing buildings can't be retained Local Plan policy CC1.																																											
a. Pre-demolition audit completed?				No		Required if referable to the Mayor and/or there is significant demolition. Local Plan CC1, London Plan Si7																																											
b. Whole life carbon assessment submitted? (see note)				No		95% of construction and demolition waste should be reused/recycled London Plan Policy Si7																																											
c. % of construction & demolition waste be reused/recycled?				95 %		95% beneficial use of Inert excavation waste London Plan Policy Si7																																											
d. % of excavation waste be put to beneficial use?				95 %		Required if referable to the Mayor, London Plan Policy Si7																																											
e. Circular economy statement submitted (see note)				No																																													
9. Green Infrastructure				NOT APPLICABLE		Camden Local Plan CC2, London Plan Policy G5, CPG Energy Efficiency and Adaptation Cht 10																																											
Green infrastructure and biodiversity				Area m²																																													

a. Green/blue roof	0		NOT APPLICABLE	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 & London Plan Guidance on Urban Greening Factors (London Plan Policy G5)				
b. Green roof	0		NOT APPLICABLE					
c. Green wall	0		NOT APPLICABLE					
d. Vegetated SuDs features (i.e. Rain Gardens, Tree pits)	0		NOT APPLICABLE					
e. Other Green infrastructure please state:	0		NOT APPLICABLE					
10. Water								
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No								
a. Greywater/rainwater harvesting system feasibility assessment?	No		NOT APPLICABLE	Local Plan CC3 + section 8.55, London Plan SI 13 The Camden Local plan section 8.55 states 'Major developments and high or intense water use developments, such as hotels, hostels and student housing, should include a grey water and rainwater harvesting system. Where such a system is not feasible or practical, developers must demonstrate to the Council's satisfaction that this is the case.'				
b. Greywater harvesting capacity proposed	0	m ³	NOT APPLICABLE					
c. Rainwater harvesting capacity proposed	0	m ³	NOT APPLICABLE					
Additional comments / notes:								