Proforma for major development in Camden to accompany required Sustainability Plan and Energy Statement (v.1)

All relevant yellow boxes **must** be completed on this and all relevant tabs

Complete orange cells with source document and section/page references, required to support/justify responses

See guidelines / notes in column M

Complete all relevant tabs depending on the type of development

Introduction: This Proforma is intended to help you understand the Energy and Sustainability considerations we will take into account when considering an application in Camden, as well as helping us to consider the application. This does not replace the requirement to provide an Energy Strategy and Sustainability Plan or the detailed guidance in the Camden Planning Guidance (CPG) on Energy Efficiency and Adaptation. Any information provided should be referenced to the relevant section of submitted supporting documents. This summary page will help provide key details on the application. Note that the carbon reduction tables on this tab will populate automatically from the tables on the corresponding tabs.

Application details:

Application number (when known)						
Scheme name (if applicable)						
Scheme address	Grand Union House, 16-20 Kentish Town Road, Camden					
Postcode	NW1 8NH					
Type of development (choose drop down options)	Mixed use	New				
No. of residential units	6					
Scale of development details (m^2)	Existing	Proposed				
	TOTAL pre-development	For demolition	New-build incl. infills, re-build, extensions	Retained (refurbished or Change of Use)	TOTAL post-development	Net UPLIFT post-development
Total floor area of development (GIA)	3095	3095	7431	0	7431	4336
of which residential	0		523	0	523	523
of which non- residential	3095	3095	6908	0	6908	3813
Energy Statement document details	Grand Union House Energy Strategy & Overheating Assessment, Jacob Cox, February 2021, Revision 1					
Sustainability Plan document details	Grand Union House Sustainability Statement, Hope Bootle, February 2021, Revision 1					

Recommendation (Council to complete)
Approve/Condition/Refuse
Approve/Condition/Refuse
Approve/Condition/Refuse
Approve/Condition/Refuse
Require payment through s106

Energy Statement (complete on relevant tabs to populate these tables automatically)

1. Carbon Reduction (Camden Local Plan Policy CC1)

a. Carbon Factor to be used: SAP10

b.Energy Statement	New Development Total SAP2012		
	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline	141.11	N/A	N/A
Be Lean	123.50	17.61	12.5%
Be Clean	123.50	0.00	0.0%
Be Green	79.72	43.78	35.4%
TOTAL	**79.72**	**61.39**	**43.5%**
Target	*0.00*	*141.11*	*100.0%*
Shortfall	79.72	79.72	56.5%
Offset payment	£227,202		

Energy Statement	New Development Total SAP10		
	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline	79.42	N/A	N/A
Be Lean	75.82	3.60	4.5%
Be Clean	75.82	0.00	0.0%
Be Green	35.79	40.03	52.8%
TOTAL	**35.79**	**43.63**	**54.9%**
Target	*0.00*	*79.42*	*100.0%*
Shortfall	35.79	35.79	45.1%
Offset payment	£102,002		

c.Energy Statement	Refurbished Development Total SAP2012		
	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline	0.00	N/A	N/A
Be Lean	0.00	0.00	0.0%
Be Clean	0.00	0.00	0.0%
Be Green	0.00	0.00	0.0%
TOTAL	**0.00**	**0.00**	**0.0%**

Energy Statement	Refurbished Development Total SAP 10		
	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline	0.00	N/A	N/A
Be Lean	0.00	0.00	0.0%
Be Clean	0.00	0.00	0.0%
Be Green	0.00	0.00	0.0%
TOTAL	**0.00**	**0.00**	**0.0%**

d. Energy Statement	Whole Development		
	Total tCO2 (tonnes of carbon dioxide equivalent)	Stage reduction, tCO2	Stage reduction, %
Baseline	141.11	N/A	N/A
Be Lean	123.50	17.61	12.5%
Be Clean	123.50	0.00	0.0%
Be Green	79.72	43.78	35.4%
TOTAL	79.72	**61.39**	**43.5%**
Target	*0.00*	*141.11*	*100.0%*
Shortfall	79.72	79.72	56.5%
Offset payment	£227,202		

Energy Statement	Whole Development		
	Total tCO2 (tonnes of carbon dioxide equivalent)	Stage reduction, tCO2	Stage reduction, %
Baseline	79.42	N/A	N/A
Be Lean	75.82	3.60	4.5%
Be Clean	75.82	0.00	0.0%
Be Green	35.79	40.03	52.8%
TOTAL	35.79	**43.63**	**54.9%**
Target	*0.00*	*79.42*	*100.0%*
Shortfall	35.79	35.79	45.1%
Offset payment	£0		

Major new residential (or substantial refurbishment) L1A

All relevant yellow boxes **must** be completed

Complete orange cells with source document and section/page references, required to support/justify responses

See guidelines / notes in column M

Details of new residential proposals:

Name of applicable buildings / blocks / units	Grand Union House, 16-20 Kentish Town Road, Camden, NW1 8NH
No. of residential units	6
Floor area (GIA)	0 m^2

Recommendation (Council to complete)

Energy Statement

1. Carbon Reduction (Camden Local Plan Policy CC1)

	SAP2012		
a. Energy Statement	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline	7.40	N/A	N/A
Be Lean	6.75	0.65	8.8%
Be Clean	6.75	0.00	0.0%
Be Green	4.08	2.67	39.6%
TOTAL	**4.08**	**3.32**	**44.9%**
Target	*0.00*	*7.40*	*100.0%*
Shortfall	4.08	4.08	55.1%
Offset payment	£11,628		

	SAP10		
b. Energy Statement	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline	6.60	N/A	N/A
Be Lean	5.76	0.84	12.7%
Be Clean	5.76	0.00	0.0%
Be Green	1.83	3.93	68.2%
TOTAL	**1.83**	**4.77**	**72.3%**
Target	*0.00*	*6.60*	*100.0%*
Shortfall	1.83	1.83	27.7%
Offset payment	£5,216		

Location of justification / supporting Information

Document	Page / section reference
Energy Strategy & Overheating	Page 2 / Section 1.3
Energy Strategy & Overheating	Page 2 / Section 1.3
Energy Strategy & Overheating	Page 2 / Section 1.3
Energy Strategy & Overheating	Page 2 / Section 1.3
Energy Strategy & Overheating	Page 2 / Section 1.3
Energy Strategy & Overheating	Page 2 / Section 1.3
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Energy Strategy & Overheating	Page 2 / Section 1.4
Energy Strategy & Overheating	Page 2 / Section 1.4
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Energy Strategy & Overheating	Page 2 / Section 1.4
Energy Strategy & Overheating	Table 8-3, page 21

2. Regulated and whole life carbon emissions (CPG Energy Efficiency and Adaptation Chts 6 & 9)

Regulated and whole life carbon	Yes / No
a. Worksheets provided (TER and DER for each stage)	YES
b. Sample method stated (including one of each type of unit)	YES
c. Whole Life Carbon Assessment provided	N/A

Document	Page/ section reference
Energy Strategy & Overheating	Appendices C & D
Energy Strategy & Overheating	Appendices C & D

3. Be Lean (CPG Energy Efficiency and Adaptation Cht 3)

a. Passive measures	Yes / No	Document	Page/ section reference
i. Orientation and site layout optimised	NO	Energy Strategy & Overheating	Page 11 / Section 5.7
ii. All units at least dual aspect and designed to allow natural ventilation	YES	Energy Strategy & Overheating	Appendix E
iii. Solar shading incorporated into the design	YES	Energy Strategy & Overheating	Appendix E
iv. Exposed internal thermal mass and night time purge ventilation	N/A	Energy Strategy & Overheating	Appendix E
v. Glazing percentage	25 %		
vi. Other please state			

b. Building Fabric	Yes / No	Document	Page/ section reference
i. Meets all Building Regulation part L1A Limiting Fabric Parameters	YES	Energy Strategy & Overheating	Page 5 / Section 5.1
ii. Meets all Part L1A Concurrent Notional Dwelling Specification	YES	Energy Strategy & Overheating	Page 5 / Section 5.1
iii. Meets LETI design guide standards	NO		
iv. Meets Passivhaus Standard	NO		
v. Air permeability	3 (m3/h.m2 at 50 Pa)		

c. Active design measures	Yes / No	Document	Page/ section reference
i. High efficiency lighting percentage	100 %	Energy Strategy & Overheating	Page 5 / Section 5.2
ii. Efficient centralised MVHR or individual units next to external wall	YES	Energy Strategy & Overheating	Page 5 / Section 5.2
iii. Waste water heat recovery incorporated?	NO		

4. Be Clean (Camden Local Plan Policy CC1, CPG Energy Efficiency and Adaptation Cht 4)

Potential decentralised energy network	Yes / No	Document	Page/ section reference
a. Is the site within 500m of existing network?	NO	Energy Strategy & Overheating	Page 13 / Section 6.1
b. If no to a) Within 1km of existing or potential network?	NO	Energy Strategy & Overheating	Page 13 / Section 6.2
c. If yes to b) Future proofing checklist completed?			
d. Is a site wide heat network proposed?	NO	Energy Strategy & Overheating	Assessment
e. Is Combined Heat and Power (CHP) proposed?	NO	Energy Strategy & Overheating	Page 13 / Section 6.3
f. CHP and District Heating Feasibility Checklist completed?			

5.Be Green (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 tCO_2 saved per annum	Document	Page / section reference
a. Solar Thermal	NO				
b. Solar PV (photovoltaics)	YES	13.2	1.7	Energy Strategy & Overheating	Page 16 / Section 7.5
c. Waste heat source heat pump	NO				
d. Water source heat pump	NO				
e. Ground source heat pump	NO				
f. Air source heat pump (air to water)	YES	30	2.23	Energy Strategy & Overheating	Page 16 / Section 7.5
g. Air source heat pump (air to air)	NO				
h. Biomass	NO				
i. Wind	NO				
j. Other please state					

6. Be Seen (Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation Cht 5)

a. Building management, metering and monitoring	Yes / No	Document	Page/ section reference
i. Will there be a whole-building energy management system (BEMS)?	NO		
ii. Will all units be individually metered?	YES	Energy Strategy & Overheating	Page 1 / Section 1.2
iii. Will key plant be monitored post construction?	YES	Energy Strategy & Overheating	Page 1 / Section 1.2

b. Be Seen reporting requirements to Greater London Authority (GLA)	Yes / No	Document	Page/ section reference
i. Required data will be upload to GLA 'Be Seen' portal	NO		
ii. Required target dates have been set out for subsequent stages	NO		
iii. Metering plans in place to enable in-use reporting	YES	Energy Strategy & Overheating	Page 1 / Section 1.2

Sustainability Statement

7. Overheating

Overheating / cooling (Camden Local Plan section 8.41.8.42 and CPG Energy Efficiency and Adaptation Cht 10)	Yes / No	Document	Page/ section reference
a. Overheating checklist/risk tool completed and provided?	YES	Energy Strategy & Overheating	Appendix E
b. Overheating - dynamic thermal modelling completed using TM59 and TM49?	YES	Energy Strategy & Overheating	Page 11 / Section 5.7
c. Cooling hierarchy followed and passive design measures incorporated?	YES	Energy Strategy & Overheating	Page 11 / Section 5.7
d. Is active cooling proposed?	YES	Energy Strategy & Overheating	Page 11 / Section 5.7

8. Reducing Waste and the Circular Economy

Material and waste (CPG Energy Efficiency and Adaptation Cht 9)	Response		Document	Page/ section reference
a. % of construction & demolition waste be reused/recycled/recovered?	90	%	Sustainability Statement	Page 15 / Section 9.3
b. % of excavation waste be put to beneficial use?	90	%	Sustainability Statement	Page 15 / Section 9.3
c. Circular economy statement submitted (see note)	N/A		Application not referable to GLA	

Please note that the target for local authority collected waste of 50% to be recycled or composted by 2020 (60% by 2031) is assessed separately through consideration of the Waste Strategy document for the development.

9. Green infrastructure

Green infrastructure and biodiversity (Camden Local Plan Policy CC2, CPG Energy Efficiency and Adaptation Cht 10)	Area m^2	Document	Page/ section reference
a. Green/blue roof	121.7		
b. Green roof	0		
c. Green wall	0		
d. Brown roof	0		

10. Water

Water efficiency (Camden Local Plan section 8.55 and CPG Water and Flooding Cht 2)	Response	Unit	Document	Page/ section reference
a. Water use per person per day (internal)	105	litres	Sustainability Statement	Page 12 / Section 7.2
b. Water use per person per day (external) including irrigation		litres		
c. Greywater/rainwater harvesting system feasibility assessment completed	NO			
d. Greywater harvesting capacity proposed	0	m^3	N/A (Development is not major or is an high intense water	
e. Rainwater harvesting capacity proposed		m^3	N/A (Development is not major or is an high intense water	
f. Drought resistant or low water consuming plants	NO			
g. Water efficient fittings details	YES		Sustainability Statement	Page 12 / Section 7.2

Major residential refurbishment L1B

All relevant yellow boxes **must** be completed

Complete orange cells with source document and section/page references, required to support/justify responses

See guidelines / notes in column M

Details of refurbished residential proposals:

Name of applicable buildings / blocks / units		
No. of residential units		
Floor area (GIA)		m^2

Recommendation (Council to complete)

Energy Statement

1. Carbon Reduction (Camden Local Plan Policy CC1)

Location of justification / supporting Information

Document	Page / section reference

	SAP2012		
a. Energy Statement	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline		N/A	N/A
Be Lean		0.00	0.0%
Be Clean		0.00	0.0%
Be Green		0.00	0.0%
TOTAL	**0.00**	**0.00**	**0.0%**
Target	*N/A*	*N/A*	*N/A*
Shortfall	*N/A*	*N/A*	*N/A*
Offset payment	See note		

	SAP10		
b. Energy Statement	Total tCO2	Stage reduction, tCO2	Stage reduction, %
Baseline		N/A	N/A
Be Lean		0.00	0.0%
Be Clean		0.00	0.0%
Be Green		0.00	0.0%
TOTAL	**0.00**	**0.00**	**0.0%**
Target	*N/A*	*N/A*	*N/A*
Shortfall	*N/A*	*N/A*	*N/A*
Offset payment	See note		

2. Regulated and whole life carbon emissions (CPG Energy Efficiency and Adaptation Chts 6 & 9)

Regulated and whole life carbon	Yes / No
a. Worksheets provided (TER and DER for each stage)	
b. Sample method stated (including one of each type of unit)	
c. Whole Life Carbon Assessment provided	

Document	Page/ section reference

3. Be Lean (CPG Energy Efficiency and Adaptation chapter 3)

a. Passive measures	Yes / No		Document	Page/ section reference
i. Orientation and site layout optimised				
ii. All units at least dual aspect and designed to allow natural ventilation				
iii. Solar shading incorporated into the design				
iv. Exposed internal thermal mass and night time purge ventilation				
v. Glazing percentage	25.5	%		
vi. Other please state				

b. Building Fabric	Yes / No		Document	Page/ section reference
i. Meets Building Regulation part L1B threshold limits for retained thermal elements				
ii. Meets all Part L1B improved themal values for upgraded retained elements				
iii. Meets all Part L1B Standards for controlled fittings and new thermal elements				
iv. Meets EnerPHit Standard				
v. Air permeability		(m3/h.m2 at 50 Pa)		

c. Active design measures	Yes / No		Document	Page/ section reference
i. High efficiency lighting percentage		%		
ii. Efficient centralised MVHR or individual units next to external wall				
iii. Waste water heat recovery incorporated?				

4. Be Clean (Camden Local Plan Policy CC1, CPG Energy Efficiency and Adaptation Cht 4)

Potential decentralised energy network	Yes / No	Document	Page/ section reference
a. Is the site within 500m of existing network?			
b. If no to a) Within 1km of existing or potential network?			
c. If yes to b) Future proofing checklist completed?			
d. Is a site wide heat network proposed?			
e. Is Combined Heat and Power (CHP) proposed?			
f. CHP and District Heating Feasibility Checklist completed?			

5.Be Green (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 tCO_2 saved per annum	Document	Page / section reference
a. Solar Thermal					
b. Solar PV					
c. Waste heat source heat pump					
d. Water source heat pump					
e. Ground source heat pump					
f. Air source heat pump (air to water)					
g. Air source heat pump (air to air)					
h. Biomass					
i. Wind					
j. Other please state					

6. Be Seen (Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation Cht 5)

a. Building management, metering and monitoring (Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation section 5.19 to 5.22)	Yes / No	Document	Page/ section reference
i. Will there be a whole-building energy management system (BEMS)?			
ii. Will all units be individually metered?			
iii. Will key plant be monitored post construction?			

b. Be Seen reporting requirements to GLA	Yes / No	Document	Page/ section reference
i. Required data will be upload to GLA 'Be Seen' portal			
ii. Required target dates have been set out for subsequent stages			
iii. Metering plans in place to enable in-use reporting			

Sustainability Statement

7. Overheating

Overheating / cooling (Camden Local Plan section 8.41.8.42 and CPG Energy Efficiency and Adaptation chapter 10)	Yes / No	Document	Page/ section reference
a. Overheating checklist/risk tool completed and provided?			
b. Overheating - dynamic thermal modelling completed using TM59 and TM49?			
c. Cooling hierarchy followed and passive design measures incorporated?			
d. Is active cooling proposed?			

8. Reducing Waste and the Circular Economy

Material and waste (CPG Energy Efficiency and Adaptation Cht 9)	Response		Document	Page/ section reference
a. % of construction & demolition waste be reused/recycled/recovered?		%		
b. % of excavation waste be put to beneficial use?		%		
c. Circular economy statement submitted (see note)				

Please note that the target for local authority collected waste of 50% to be recycled or composted by 2020 (60% by 2031) is assessed separately through consideration of the Waste Strategy document for the development.

9. Green infrastructure

Green infrastructure and biodiversity (Camden Local Plan Policy CC2, CPG Energy Efficiency and Adaptation chapter 10)	Area m^2	Document	Page/ section reference
a. Green/blue roof			
b. Green roof			
c. Green wall			
d. Brown roof			

10. Water

Water efficiency (Camden Local Plan section 8.55 and CPG Water and Flooding Cht 2)	Response	Unit	Document	Page/ section reference
a. Water use per person per day (internal)		litres		
b. Water use per person per day (external) including irrigation		litres		
c. Greywater/rainwater harvesting system feasibility assessment completed				
d. Greywater harvesting capacity proposed		m^3		
e. Rainwater harvesting capacity proposed		m^3		
f. Drought resistant or low water consuming plants				
g. Water efficient fittings details				

Major new non-residential development (or substantial refurbishment) L2A

All relevant yellow boxes **must** be completed

Complete orange cells with source document and section/page references, required to support/justify responses

See guidelines / notes in column M

Details of new non-residential proposals:

Name of applicable buildings / blocks / units	Grand Union House, 16-20 Kentish Town Road, Camden, NW1 8NH
Floor area (GIA)	3095 m^2

Energy Statement

1. Carbon Reduction (Camden Local Plan Policy CC1)

Recommendation (Council to complete)	a. Energy Statement	SAP2012 Total tCO2	SAP2012 Stage reduction, tCO2	SAP2012 Stage reduction, %	Location of justification / supporting Information: Document	Page / section reference
	Baseline	133.71	N/A	N/A	Energy Strategy & Overheating	Page 2 / Section 1.3
Approve/Condition/Refuse	**Be Lean**	116.75	16.96	12.7%	Energy Strategy & Overheating	Page 2 / Section 1.3
Approve/Condition/Refuse	**Be Clean**	116.75	0.00	0.0%	Energy Strategy & Overheating	Page 2 / Section 1.3
Approve/Condition/Refuse	**Be Green**	75.64	41.11	35.2%	Energy Strategy & Overheating	Page 2 / Section 1.3
Approve/Condition/Refuse	**TOTAL**	**75.64**	**58.07**	**43.4%**	Energy Strategy & Overheating	Page 2 / Section 1.3
	Target	*0.00*	*133.71*	*100.0%*	Energy Strategy & Overheating	Page 2 / Section 1.3
	Shortfall	75.64	75.64	56.6%		
Require payment through s106	**Offset payment**	£215,574			Energy Strategy & Overheating	Table 8-3, page 21

	b. Energy Statement	SAP10 Total tCO2	SAP10 Stage reduction, tCO2	SAP10 Stage reduction, %	Location of justification / supporting Information: Document	Page / section reference
	Baseline	72.82	N/A	N/A	Energy Strategy & Overheating	Page 2 / Section 1.4
	Be Lean	70.06	2.76	3.8%	Energy Strategy & Overheating	Page 2 / Section 1.4
Approve/Condition/Refuse	**Be Clean**	70.06	0.00	0.0%	Energy Strategy & Overheating	Page 2 / Section 1.4
Approve/Condition/Refuse	**Be Green**	33.96	36.10	51.5%	Energy Strategy & Overheating	Page 2 / Section 1.4
Approve/Condition/Refuse	**TOTAL**	**33.96**	**38.86**	**53.4%**	Energy Strategy & Overheating	Page 2 / Section 1.4
	Target	*0.00*	*72.82*	*100.0%*	Energy Strategy & Overheating	Page 2 / Section 1.4
	Shortfall	33.96	33.96	46.6%		
Require payment through s106	**Offset payment**	£96,786			Energy Strategy & Overheating	Table 8-3, page 21

2. Regulated and whole life carbon emissions (CPG Energy Efficiency and Adaptation Chts 6 & 9)

Approve/Condition/Refuse	Regulated and whole life carbon	Yes / No	Document	Page/ section reference
	a. Worksheets provided (BRUKL for each stage)		Energy Strategy & Overheating	Appendices A & B
	b. Sample method stated		Energy Strategy & Overheating	Appendices A & B
	c. Whole Life Carbon Assessment provided	N/A		

3. Be Lean (CPG Energy Efficiency and Adaptation cht 3)

Approve/Condition/Refuse	a. Passive measures	Yes / No	Document	Page/ section reference
	i. Orientation and site layout optimised	N/A	Energy Strategy & Overheating	Page 11 / Section 5.7
	ii. All areas at least dual aspect and designed to allow natural ventilation	YES	Energy Strategy & Overheating	Appendix E
	iii. Solar shading incorporated into the design	YES	Energy Strategy & Overheating	Appendix E
	iv. Exposed internal thermal mass and night time purge ventilation	N/A	Energy Strategy & Overheating	Appendix E
	v. Glazing percentage	59 %		
	vi. Other please state			

Approve/Condition/Refuse	b. Building Fabric	Yes / No	Document	Page/ section reference
	i. Meets all Building Regulation part L2A Limiting Fabric Parameters	YES	Energy Strategy & Overheating	Page 5 / Section 5.1
	ii. Meets all Part L2A Concurrent Notional Dwelling Specification	YES	Energy Strategy & Overheating	Page 5 / Section 5.1
	iii. Meets LETI design guide standards	NO		
	iv. Meets Passivhaus Standard	NO		
	v. Air permeability	3 (m3/h.m2 at 50 Pa)		

Approve/Condition/Refuse	c. Active design measures	Yes / No	Document	Page/ section reference
	i. High efficiency lighting	YES	Energy Strategy & Overheating	Page 5 / Section 5.2
	ii. Efficient MVHR	YES	Energy Strategy & Overheating	Page 5 / Section 5.2
	iii. Waste water heat recovery incorporated?	NO		

4. Be Clean (Camden Local Plan Policy CC1, CPG Energy Efficiency and Adaptation Cht 4)

Approve/Condition/Refuse	Potential decentralised energy network	Yes / No	Document	Page/ section reference
	a. Is the site within 500m of existing network?	NO	Energy Strategy & Overheating	Page 13 / Section 6.1
	b. If no to a) Within 1km of existing or potential network?	NO	Energy Strategy & Overheating	Page 13 / Section 6.2
	c. If yes to b) Future proofing checklist completed?			
	d. Is a site wide heat network proposed?	NO	Energy Strategy & Overheating	Assessment
	e. Is Combined Heat and Power (CHP) proposed?	NO	Energy Strategy & Overheating	Page 13 / Section 6.3
	f. CHP and District Heating Feasibility Checklist completed?			

5.Be Green (Camden Local Plan Policy CC1 and section 8.11)

Approve/Condition/Refuse	Minimum 20% reduction in CO2 from on-site renewable energy technologies	Viable (Yes /No)	Proposed (kW)	Expected tCO_2 saved per annum	Document	Page / section reference
	a. Solar Thermal	NO				
	b. Solar PV	YES	76.7	9.89	Energy Strategy & Overheating	Page 16 / Section 7.5
	c. Waste heat source heat pump	NO				
	d. Water source heat pump	NO				
	e. Ground source heat pump	NO				
	f. Air source heat pump (air to water)	NO				
	g. Air source heat pump (air to air)	YES	400	30.13	Energy Strategy & Overheating	Page 16 / Section 7.5
	h. Biomass	NO				
	i. Wind	NO				
	j. Other please state					

6. Be Seen (Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation Cht 5)

Approve/Condition/Refuse	a. Building management, metering and monitoring (Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation section 5.19 to 5.22)	Yes / No	Document	Page/ section reference
	i. Will there be a whole-building energy management system (BEMS)?	YES		
	ii. Will all units be individually metered?	YES	Energy Strategy & Overheating	Page 1 / Section 1.2
	iii. Will key plant be monitored post construction?	YES	Energy Strategy & Overheating	Page 1 / Section 1.2

	b. Be Seen reporting requirements to GLA	Yes / No	Document	Page/ section reference
	i. Required data will be upload to GLA 'Be Seen' portal		N/A	
	ii. Required target dates have been set out for subsequent stages		N/A	
	iii. Metering plans in place to enable in-use reporting		N/A	

Sustainability Statement

7. Overheating

Approve/Condition/Refuse	Overheating / cooling (Camden Local Plan Policy CC2 and section 8.41.8.42 and CPG Energy Efficiency and Adaptation Cht 10)	Yes / No	Document	Page/ section reference
	a. Overheating - dynamic thermal modelling completed using TM52 and TM49	YES	Energy Strategy & Overheating	Page 11 / Section 5.7
	b. Cooling hierarchy followed and passive design measures incorporated?	YES	Energy Strategy & Overheating	Page 11 / Section 5.7
	c. Is active cooling proposed?	YES	Energy Strategy & Overheating	Page 11 / Section 5.7

8. Reducing Waste and the Circular Economy

Approve/Condition/Refuse	Material and waste (CPG Energy Efficiency and Adaptation Cht 9)	Response		Document	Page/ section reference
	a. % of construction & demolition waste be reused/recycled/recovered?	90	%	Sustainability Statement	Page 15 / Section 9.3
	b. % of excavation waste be put to beneficial use?	90	%	Sustainability Statement	Page 15 / Section 9.3
	c. Circular economy statement submitted (see note)	N/A		Application not referable to GLA	

Please note that the target for local authority collected waste of 50% to be recycled or composted by 2020 (60% by 2031) is assessed separately through consideration of the Waste Strategy document for the development.

9. Green infrastructure

Approve/Condition/Refuse	Green infrastructure and biodiversity (Camden Local Plan Policy CC2, CPG Energy Efficiency and Adaptation Cht 10)	Area m^2	Document	Page/ section reference
	a. Green/blue roof	0		
	b. Green roof	1303.8		
	c. Green wall	0		
	d. Brown roof	0		

10. Water

Approve/Condition/Refuse	Water efficiency (Camden Local Plan section 8.55 and CPG Water and Flooding Cht 2)	Response	Unit	Document	Page/ section reference
	a. Greywater/rainwater harvesting system feasibility assessment completed	NO			
	b. Greywater harvesting capacity proposed	0	m^3	N/A (Development is not major or is an high intense water	
	c. Rainwater harvesting capacity proposed		m^3	N/A (Development is not major or is an high intense water	
	d. Drought resistant or low water consuming plants	NO			
	e. Water efficient fittings details	YES		Sustainability Statement	Page 12 / Section 7.2

Major non-residential refurbishment L2B

All relevant yellow boxes **must** be completed

Complete orange cells with source document and section/page references, required to support/justify responses

See guidelines / notes in column M

Details of refurbished non-residential proposals:

Name of applicable buildings / blocks / units	
Floor area (GIA)	m^2

Recommendation (Council to complete)

Energy Statement

1. Carbon Reduction (Camden Local Plan Policy CC1)

a. Energy Statement	SAP2012 Total tCO2	SAP2012 Stage reduction, tCO2	SAP2012 Stage reduction, %
Baseline		N/A	N/A
Be Lean		0.00	0.0%
Be Clean		0.00	0.0%
Be Green		0.00	0.0%
TOTAL	**0.00**	**0.00**	**0.0%**
Target	*N/A*	*N/A*	*N/A*
Shortfall	*N/A*	*N/A*	*N/A*
Offset payment	see notes		

Require payment through s106

b. Energy Statement	SAP10 Total tCO2	SAP10 Stage reduction, tCO2	SAP10 Stage reduction, %
Baseline		N/A	N/A
Be Lean		0.00	0.0%
Be Clean		0.00	0.0%
Be Green		0.00	0.0%
TOTAL	**0.00**	**0.00**	**0.0%**
Target	*N/A*	*N/A*	*N/A*
Shortfall	*N/A*	*N/A*	*N/A*
Offset payment	see notes		

Location of justification / supporting Information

Document	Page / section reference

2. Regulated and whole life carbon emissions (CPG Energy Efficiency and Adaptation Chts 6 & 9)

Approve/Condition/Refuse

Regulated and whole life carbon emissions	Yes / No	Document	Page/ section reference
a. Worksheets provided (BRUKL for each stage)			
b. Sample method stated			
c. Whole Life Carbon Assessment provided			

3. Be Lean (CPG Energy Efficiency and Adaptation Cht 3)

Approve/Condition/Refuse

a. Passive measures	Yes / No		Document	Page/ section reference
i. Orientation and site layout optimised				
ii. All areas at least dual aspect and designed to allow natural ventilation				
iii. Solar shading incorporated into the design				
iv. Exposed internal thermal mass and night time purge ventilation				
v. Glazing percentage		%		
v. Other please state_____				

Approve/Condition/Refuse

b. Building Fabric	Yes / No		Document	Page/ section reference
i. Meets Building Regulation part L2B threshold limits for retained thermal elements				
ii. Meets all Part L2B improved themal values for upgraded retained elements				
iii. Meets all Part L2B Standards for controlled fittings and new thermal elements				
iv. Meets EnerPHit Standard				
v. Air permeability		(m3/h.m2 at 50 Pa)		

Approve/Condition/Refuse

c. Active design measures	Yes / No	Document	Page/ section reference
i. High efficiency lighting			
ii. Efficient MVHR			
iii. Waste water heat recovery incorporated?			

4. Be Clean (Camden Local Plan Policy CC1, CPG Energy Efficiency and Adaptation Cht 4)

Approve/Condition/Refuse

Potential decentralised energy network	Yes / No	Document	Page/ section reference
a. Is the site within 500m of existing network?			
b. If no to a) Within 1km of existing or potential network?			
c. If yes to b) Future proofing checklist completed?			
d. Is a site wide heat network proposed?			
e. Is Combined Heat and Power (CHP) proposed?			
f. CHP and District Heating Feasibility Checklist completed?			

5.Be Green (Camden Local Plan Policy CC1 and section 8.11)

Approve/Condition/Refuse

Minimum 20% reduction in CO2 from on-site renewable energy technologies	Viable (Yes /No)	Proposed (kW)	Expected tCO_2 saved per annum	Document	Page / section reference
a. Solar Thermal					
b. Solar PV					
c. Waste heat source heat pump					
d. Water source heat pump					
e. Ground source heat pump					
f. Air source heat pump (air to water)					
g. Air source heat pump (air to air)					
h. Biomass					
i. Wind					
j. Other please state_____					

6. Be Seen (Camden Local Plan section 8.28, CPG Energy Efficiency and Adaptation Cht 5)

Approve/Condition/Refuse

a. Building management, metering and monitoring	Yes / No	Document	Page/ section reference
i. Will there be a whole-building energy management system (BEMS)?			
ii. Will all units be individually metered?			
iii. Will key plant be monitored post construction?			

b. Be Seen reporting requirements to GLA	Yes / No	Document	Page/ section reference
i. Required data will be upload to GLA 'Be Seen' portal			
ii. Required target dates have been set out for subsequent stages			
iii. Metering plans in place to enable in-use reporting			

Sustainability Statement

7. Overheating

Approve/Condition/Refuse

Overheating / cooling (Camden Local Plan section 8.41.8.42 and CPG Energy Efficiency and Adaptation Cht 10)	Yes / No	Document	Page/ section reference
a. Overheating - dynamic thermal modelling completedusing TM52 and TM49?			
b. Cooling hierarchy followed and passive design measures incorporated?			
c. Is active cooling proposed?			

8. Reducing Waste and the Circular Economy

Approve/Condition/Refuse

Material and waste (CPG Energy Efficiency and Adaptation Cht 9)	Response		Document	Page/ section reference
a. % of construction & demolition waste be reused/recycled/recovered?		%		
b. % of excavation waste be put to beneficial use?		%		
c. Circular economy statement submitted (see note)				

Please note that the target for local authority collected waste of 50% to be recycled or composted by 2020 (60% by 2031) is assessed separately through consideration of the Waste Strategy document for the development.

9. Green infrastructure

Approve/Condition/Refuse

Green infrastructure and biodiversity (Camden Local Plan Policy CC2, CPG Energy Efficiency and Adaptation Cht 10)	Area m^2	Document	Page/ section reference
a. Green/blue roof			
b. Green roof			
c. Green wall			
d. Brown roof			

10. Water

Approve/Condition/Refuse

Water efficiency (Camden Local Plan section 8.55 and CPG Water and Flooding Cht 2)	Response	Unit	Document	Page/ section reference
a. Greywater/rainwater harvesting system feasibility assessment completed				
b. Greywater harvesting capacity proposed		m^3		
c. Rainwater harvesting capacity proposed		m^3		
d. Drought resistant or low water consuming plants				
e. Water efficient fittings details				