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:

Grand Union Hou	use, 16-20 Ke	ntish Town Ro	oad, Camden			
NW1 8NH						
Mixed use	N	ew				
6						
Existing			Propose	ed		
					Net UPLIFT	
	For	re-build,	or Change	TOTAL post-	post-	
			0	7431	4336	
0		523	0	523	523	
3095	3095	6908	0	6908	3813	
Grand Union Hou	use Energy St	rategy & Over	heating Asse	ssment, Jacob Co	x, February 2021	Revision 1
Grand Union Hou	use Sustainab	ility Statemen	t, Hope Bootl	e, February 2021,	Revision 1	
	NW1 8NH Mixed use 6 Existing TOTAL pre- development 3095 0 3095 Grand Union Hou	NW1 8NH Mixed use 6 Existing TOTAL pre-development demolition 3095 3095 0 3095 3095 Grand Union House Energy St	NW1 8NH New 6 Existing New-build incl. infills, re-build, extensions 3095 3095 7431 0 523 3095 3095 6908 Grand Union House Energy Strategy & Over	Mixed use New 6 Existing Propose New-build incl. infills, re-build, development Retained (refurbished or Change of Use) 3095 3095 7431 0 3095 3095 6908 0 Grand Union House Energy Strategy & Overheating Assertance	NW1 8NH Mixed use New 6 Existing Proposed Retained (refurbished incl. infills, re-build, evelopment dewolition extensions of Use) TOTAL post-development 3095 3095 7431 0 7431 0 523 0 523 3095 3095 6908 0 6908 Grand Union House Energy Strategy & Overheating Assessment, Jacob Company Company Company Company	NW1 8NH Mixed use New 6 Existing Proposed Retained (refurbished or Change of Use) TOTAL predevelopment demolition extensions of Use) New UPLIFT post-development development development 3095 3095 7431 0 7431 4336 0 523 523

Recommendation
(Council to complete)
(Council to complete)
Annua (Condition/Defuse
Approve/Condition/Refuse
Approve/Condition/Refuse
11

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)

1. Carbon Reduc	ction (Camden L	ocai Pian Poi	icy cc i)
a. Carbon Factor	to be used		SAP10
	New Develo	pment Total	SAP2012
b.Energy Statement	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	

c.Energy		d Developme SAP2012	ent Total
Statement	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%

	Whole	e Developme	nt
d. Energy Statement	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	

	New Devel	opment Total	SAP10
Energy Statement	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	

Energy	Refurbishe	d Developme SAP 10	ent Total
Statement	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%

	Whole	e Developme	nt
Energy Statement	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 (c	r eubetan	tial rofu	rhichmo	nt) I 1A	
All relevant yellow boxes must be		liai i eiu	IDISIIIII	iii, LIA	
Complete orange cells with source		d acation/n	ogo roforor	ooo required to	a support/justify responses
See guidelines / notes in column I		u section/p	age referen	ices, required it	support/justify responses
See guidelines / flotes in column i	vi				
Details of new residential propo	sals:				
Name of applicable buildings / blo			Grand Unio	n House, 16-20	Kentish Town Road, Camden, NW1 8NH
No. of residential units		6			
Floor area (GIA)		0	m ²		
			•		
Recommendation	Energy	Stateme	nt		
(Council to complete)	•				
	1. Carbon	Reduction		Local Plan Pol	icy CC1)
			SAP201	2	
	a. Energy	Total	Stage	Stage	
	Statement	tCO2	reduction,	reduction. %	
	- "	7.40	tCO2	N1/A	
	Baseline	7.40	N/A	N/A	
Approve/Condition/Refuse	Be Lean	6.75	0.65	8.8%	
Approve/Condition/Refuse	Be Clean	6.75	0.00	0.0%	
Approve/Condition/Refuse	Be Green	4.08	2.67	39.6%	
Approve/Condition/Refuse	TOTAL	4.08	3.32	44.9%	
	Target	0.00	7.40	100.0%	
	Shortfall	4.08	4.08	55.1%	
	Offset		£11,628	3	
Require payment through s106	payment				
					•
			SAP10		
	b. Energy	Total	Stage	Stage	
	Statement	tCO2	reduction,	reduction, %	
	Baseline	6.60	tCO2 N/A	N/A	
Annual Candition / Dafe on	Be Lean	5.76	0.84	12.7%	
Approve/Condition/Refuse	Be Clean	5.76	0.00	0.0%	

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	Location of justification / sup	norting Information
	Location of Justinication / Sup	porting information
	Document	Page / section reference
		D 010 " 10
	Energy Strategy & Overheating	
	Energy Strategy & Overheating Energy Strategy & Overheating	
	Energy Strategy & Overheating	
	Energy Strategy & Overheating	
	Energy Strategy & Overheating	
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	Energy Strategy & Overheating	Table 8-3, page 21
	Energy Strategy & Overheating	Page 2 / Section 1.4
	Energy Strategy & Overheating	
	Energy Strategy & Overheating	Page 2 / Section 1.4
	Energy Strategy & Overheating	Page 2 / Section 1.4
	Energy Strategy & Overheating	
	Energy Strategy & Overheating	Page 2 / Section 1.4
	Energy Strategy & Overheating	Table 8-3, page 21
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Chts 6 8	<u>k</u> 9)	
	Document	Page/ section reference
	Energy Strategy & Overheating	Appendices C & D
	Energy Strategy & Overheating	Appendices C & D
	Document	Page/ section reference
	Energy Strategy & Overheating	Page 11 / Section 5.7
	Energy Strategy & Overheating Energy Strategy & Overheating	Appendix E Appendix E
	Energy Strategy & Overheating	
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	Decument	Dane/ sestion reference
	Document Energy Strategy & Overheating	Page 5 / Section 5.1
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	g)g) a crombung	<u></u>
3/h.m2 at 50 Pa)		
3/h.m2 at 50 Pa)	Dogument	Page/ section reference
3/h.m2 at 50 Pa)	Document Energy Strategy & Overheating	Page/ section reference

	a. Energy Statement	Total tCO2	Stage reduction,	Stage reduction, %				Document	Page / section reference
	Baseline	7.40	tCO2 N/A	N/A				Energy Strategy & Overheating	
Approve/Condition/Refuse Approve/Condition/Refuse	Be Lean Be Clean	6.75 6.75	0.65	0.0%				Energy Strategy & Overheating Energy Strategy & Overheating	
Approve/Condition/Refuse	Be Green	4.08	2.67	39.6%				Energy Strategy & Overheating	Page 2 / Section 1.3
Approve/Condition/Refuse	TOTAL Target	4.08 0.00	3.32 7.40	44.9% 100.0%				Energy Strategy & Overheating Energy Strategy & Overheating	
	Shortfall	4.08	4.08	55.1%					g
Require payment through s106	Offset payment		£11,628	,				Energy Strategy & Overheating	Table 8-3, page 21
			SAP10 Stage						
	b. Energy Statement	Total tCO2	reduction,	Stage reduction, %					
	Baseline Be Lean	6.60 5.76	N/A 0.84	N/A 12.7%				Energy Strategy & Overheating Energy Strategy & Overheating	
Approve/Condition/Refuse	Be Clean	5.76	0.00	0.0%				Energy Strategy & Overheating	Page 2 / Section 1.4
Approve/Condition/Refuse Approve/Condition/Refuse	Be Green TOTAL	1.83 1.83	3.93 4.77	68.2% 72.3%				Energy Strategy & Overheating Energy Strategy & Overheating	
Approve/Condition/Reluse	Target	0.00	6.60	100.0%				Energy Strategy & Overheating	
	Shortfall Offset	1.83	1.83	27.7%					
Require payment through s106	payment		£5,216					Energy Strategy & Overheating	Table 8-3, page 21
Approve/Condition/Refuse	2. Regulated Regulated ar			oon emissions	(CPG Energy Efficiency ar	d Adaptation	on Chts 6 &]	Document	Page/ section reference
	a. Worksheet	ts provide	d (TER and	DER for each		YES		Energy Strategy & Overheating	Appendices C & D
	c. Whole Life			g one of each t provided	type of unit)	YES N/A		Energy Strategy & Overheating	Appendices C & D
			ergy Efficie	ncy and Adap	tation Cht 3)				
Approve/Condition/Refuse	a. Passive mi. Orientation	and site I				Yes / No NO		Document Energy Strategy & Overheating	
	ii. All units at iii. Solar shac				Illow natural ventilation	YES YES		Energy Strategy & Overheating Energy Strategy & Overheating	
	iv. Exposed i	nternal the	ermal mass	and night time	purge ventilation	N/A	0/	Energy Strategy & Overheating	
	v. Glazing pe vi. Other plea					25	%		
Approve/Condition/Refuse	b. Building Fa	abric				Yes / No	1	Document	Page/ section reference
					Fabric Parameters	YES YES		Energy Strategy & Overheating Energy Strategy & Overheating	Page 5 / Section 5.1
	iii. Meets LE7	TI design	guide stand		ig opecification	NO		Chergy Strategy & Overheating	rage 37 Section 3.1
	v. Air permea		Standard			NO 3	(m3/h.m2 at 50 Pa)		
Approve/Condition/Refuse	c. Active des	ign meası	ures			Yes / No]	Document	Page/ section reference
	i. High efficie				ext to external wall	100 YES	%	Energy Strategy & Overheating Energy Strategy & Overheating	
	iii. Waste wat					NO]		
	4. Be Clean	(Camden	Local Plar	Policy CC1,	CPG Energy Efficiency and	Adaptation	Cht 4)		
	Potential dec	entralised	l energy net	work		Yes / No		Document	Page/ section reference
Approve/Condition/Refuse	a. Is the site	within 500	Om of existin	ng network?		NO		Energy Strategy & Overheating	Page 13 / Section 6.1
				g or potential ne	10	NO		Energy Strategy & Overheating	Page 13 / Section 6.2
	d. Is a site wi	ide heat n	etwork prop			NO NO		Energy Strategy & Overheating	
				bility Checklist		NO	j	Energy Strategy & Overheating	Page 13 / Section 6.3
	5.Be Green	(Camden	Local Plan	Policy CC1 a	nd section 8.11)				
	Minimum 2	'0% reduc	tion in CO2	from on-site		Proposed	Expected tCO ₂		
			ergy techno		Viable (Yes /No)	(kW)	saved per	Document	Page / section reference
Approve/Condition/Refuse	a. Solar Ther				NO		annum		
	b. Solar PV (c. Waste hea				YES NO	13.2	1.7	Energy Strategy & Overheating	Page 16 / Section 7.5
	d. Water sou e. Ground so	rce heat p	oump		NO NO				
	f. Air source	heat pum	p (air to wat		YES	30	2.23	Energy Strategy & Overheating	Page 16 / Section 7.5
	g. Air source h. Biomass	heat pum	ıp (air to air))	NO NO				
	i. Wind j. Other pleas	se state			NO				
			Local Plan	section 8.28	CPG Energy Efficiency and	Adaptation	n Cht 5)		
				and monitoring		Yes / No]	Document	Page/ section reference
Approve/Condition/Refuse					nent system (BEMS)?	NO		Bocument	1 age/ section reference
	ii. Will all unit	s be indiv	idually mete	ered?		YES YES		Energy Strategy & Overheating Energy Strategy & Overheating	
				t construction?				0, 0, 0	•
				s to Greater Lo GLA 'Be Seen'	ndon Authority (GLA) portal	Yes / No NO		Document	Page/ section reference
				n set out for sulle in-use repor	ibsequent stages ting	NO YES		Energy Strategy & Overheating	Page 1 / Section 1.2
	Sustaina						•	<u> </u>	
	7. Overheati	ing			0 44 0 40 1 000 5		1		
Approve/Condition/Refuse	Efficiency and	d Adaptat	ion Cht 10)		on 8.41.8.42 and CPG Energy	Yes / No		Document	Page/ section reference
				completed and modelling com	provided? pleted using TM59 and TM49	YES YES		Energy Strategy & Overheating Energy Strategy & Overheating	
		erarchy fo	llowed and		measures incorporated?	YES YES		Energy Strategy & Overheating Energy Strategy & Overheating	Page 11 / Section 5.7
				ular Economi	,		•		and the control of
Approve/Condition/Refuse	Material and	waste (CF	PG Energy I		Adaptation Cht 9)	Response		Document	Page/ section reference
	b. % of excav	vation was	ste be put to	o beneficial use		90	% %		Page 15 / Section 9.3 Page 15 / Section 9.3
				bmitted (see no		N/A vcled or cor	nposted by	Application not referable to GLA 2020 (60% by 2031) is assessed	
							,	. , , , /	,
	consideration			gy document fo	or the development.				
	9. Green infi	of the W	aste Strate				1		
Approve/Condition/Refuse	9. Green infi	n of the W rastructur tructure ar ency and	re re biodivers	ity (Camden Lo	or the development.	Area m ²		Document	Page/ section reference

	iii. Required target dates have been set out for subsequent stages 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 referen
prove/Condition/Refuse	a. Overheating checklist/risk tool completed and provided?	YES		Energy Strategy & Overheating	ŭ
	b. Overheating - dynamic thermal modelling completed using TM59 and TM49			Energy Strategy & Overheating	
	c. Cooling hierarchy followed and passive design measures incorporated?	YES		Energy Strategy & Overheating	
	d. Is active cooling proposed?	YES		Energy Strategy & Overheating	
			•		
	8. Reducing Waste and the Circular Economy				
orove/Condition/Refuse	Material and waste (CPG Energy Efficiency and Adaptation Cht 9)	Response		Document	Page/ section refere
	a. % of construction & demolition waste be reused/recycled/recovered?		%	Sustainability Statement	Page 15 / Section 9.3
	b. % of excavation waste be put to beneficial use?		%	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 rec	ycled or cor	nposted by	/ 2020 (60% by 2031) is assesse	d separately through
	9. Green infrastructure	•	1		
	Green infrastructure and biodiversity (Camden Local Plan Policy CC2, CPG	A 2		Document	Page/ section refere
prove/Condition/Refuse	Energy Efficiency and Adaptation Cht 10)	Area m ²		Document	rage/ section refere
prove/Condition/Refuse	Energy Efficiency and Adaptation Cht 10) a. Green/blue roof	121.7		Document	rage/ section refere
prove/Condition/Refuse				Document	rage/ section refere
prove/Condition/Refuse	a. Green/blue roof			Document	r age/ section refere
prove/Condition/Refuse	a. Green/blue roof b. Green roof			Document	rage/ seculificate
prove/Condition/Refuse	a. Green/blue roof b. Green roof c. Green wall d. Brown roof			Document	rager section referen
prove/Condition/Refuse	a. Green/blue roof b. Green roof c. Green wall d. Brown roof	121.7 0 0	Limit		
prove/Condition/Refuse	a. Green/blue roof b. Green roof c. Green wall d. Brown roof		Unit	Document	Page/ section refere
	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	121.7 0 0 0 0	Unit		Page/ section refere
	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)	121.7 0 0 0 0		Document	
	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) a. Water use per person per day (internal)	121.7 0 0 0 0	litres	Document	Page/ section refere
	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) a. Water use per person per day (internal) b. Water use per person per day (external) including irrigation	121.7 0 0 0 0 Response	litres litres	Document	Page/ section refere
	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) a. Water use per person per day (internal) b. Water use per person per day (external) including irrigation c. Greywater/rainwater harvesting system feasibility assessment completed	121.7 0 0 0 0 Response	litres litres	Document Sustainability Statement	Page/ section refere Page 12 / Section 7.2 or is an high intense w
	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) a. Water use per person per day (internal) b. Water use per person per day (external) including irrigation c. Greywater/rainwater harvesting system feasibility assessment completed d. Greywater harvesting capacity proposed	121.7 0 0 0 0 Response	litres litres	Document Sustainability Statement N/A (Development is not major	Page/ section refere Page 12 / Section 7.2 or is an high intense w

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

etails	of	refurbished	residential	proposals:	

Name of applicable buildings / blocks / units

No. of residential units

No. of residential units Floor area (GIA)	m ²				l	
Recommendation (Council to complete)	Energy Statement 1. Carbon Reduction (Camden Local Plan Police SAP2012	y CC1)			Location of justification / sup	porting Information
	a. Energy Statement Total tCO2 Stage reduction, tCO2 Stage reduction, w				Document	Page / section reference
Approve/Condition/Refuse Approve/Condition/Refuse	Baseline N/A N/A Be Lean 0.00 0.0% Be Clean 0.00 0.0%					
Approve/Condition/Refuse Approve/Condition/Refuse	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 See note payment					
	b. Energy Statement tCO2 Stage reduction, %					
Approve/Condition/Refuse	CO2 CO2 CO3 CO3					
Approve/Condition/Refuse Approve/Condition/Refuse	Be Clean 0.00 0.0% Be Green 0.00 0.0% TOTAL 0.00 0.00 0.0%					
	Target					
Approve/Condition/Refuse	2. Regulated and whole life carbon emissions (Regulated and whole life of	carbon	Adaptation (Yes / No	Chts 6 & 9	Document	Page/ section reference
	Worksheets provided (TER and DER for each s Sample method stated (including one of each ty Whole Life Carbon Assessment provided					
Approve/Condition/Refuse	Be Lean (CPG Energy Efficiency and Adapta a. Passive measures Orientation and site layout optimised	ation chapter 3)	Yes / No		Document	Page/ section reference
	iii. All units at least dual aspect and designed to allo iii. Solar shading incorporated into the design iv. Exposed internal thermal mass and night time p					
	v. Glazing percentage vi. Other please state		25.5	%		
Approve/Condition/Refuse	b. Building Fabric i. Meets Building Regulation part L1B threshold im ii. Meets all Part L1B improved themal values for u iii. Meets all Part L1B Standards for controlled fittin	pgraded retained elements	Yes / No		Document	Page/ section reference
	in. Meets all Part LTB Standards for controlled fitting. iv. Meets EnerPHit Standard v. Air permeability	igs and new thermal elements	(n	m3/h.m2 at 50 Pa)		
Approve/Condition/Refuse	c. Active design measures i. High efficiency lighting percentage ii. Efficient centralised MVHR or individual units ne	xt to external wall	Yes / No	%	Document	Page/ section reference
	iii. Waste water heat recovery incorporated? 4. Be Clean (Camden Local Plan Policy CC1, Cl		laptation Ch	nt 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 net 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 of					
	5.Be Green (Camden Local Plan Policy CC1 and	d section 8.11)		Expected		
Approve/Condition/Refuse	Minimum 20% reduction in CO2 from on-site renewable energy technologies a. Solar Thermal	Viable (Yes /No)	Proposed (kW) s	tCO ₂ saved per annum	Document	Page / section reference
	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					
	Be Seen (Camden Local Plan section 8.28, C a. Building management, metering and monitoring			ht 5)	Designed	Danet anation reference
Approve/Condition/Refuse	8.28, CPG Energy Efficiency and Adaptation section. i. Will there be a whole-building energy manageme ii. Will all units be individually metered?	<u> </u>	Yes / No		Document	Page/ section reference
	iii. Will at 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' p ii. Required target dates have been set out for sub iii. Metering plans in place to enable in-use reportir	sequent stages				
Sustainability Statement 7. Overheating						
Approve/Condition/Refuse	Overheating / cooling (Camden Local Plan section Efficiency and Adaptation chapter 10) a. Overheating checklist/risk tool completed and pr	rovided?	Yes / No		Document	Page/ section reference
	b. Overheating - dynamic thermal modelling comple c. Cooling hierarchy followed and passive design n d. Is active cooling proposed?					
Approve/Condition/Refuse	Reducing Waste and the Circular Economy Material and waste (CPG Energy Efficiency and Ac a. % of construction & demolition waste be reused		Response	%	Document	Page/ section reference
	a. % of construction & demolition waste be reused b. % of excavation waste be put to beneficial use? c. Circular economy statement submitted (see note Please note that the target for local authority collections)	e)	9	%	020 (60% by 2031) is assessed	separately through
	consideration of the Waste Strategy document for 9. Green infrastructure				()	
Approve/Condition/Refuse	Green infrastructure and biodiversity (Camden Loc Energy Efficiency and Adaptation chapter 10) a. Green/blue roof	al Plan Policy CC2, CPG	Area m ²		Document	Page/ section reference
	b. Green roof c. Green wall d. Brown roof					
	10. Water Water efficiency (Camden Local Plan section 8.55	and CPG Water and Flooding	Response	Unit	Document	Page/ section reference
Approve/Condition/Refuse	Cht 2)					J
	a. Water use per person per day (internal) b. Water use per person per day (external) includir	ng irrigation		itres itres		
	a. Water use per person per day (internal)		li r			

All relevant yellow boxes must be Complete orange cells with source See guidelines / notes in column l	e document and section/page references, required	to support/justify responses				
Details of new non-residential p Name of applicable buildings / blo Floor area (GIA)		20 Kentish Town Road, Camd	en, NW1 8NH			
Recommendation (Council to complete)	Energy Statement					
	1. Carbon Reduction (Camden Local Plan Pol SAP2012	licy CC1)			Location of justification / su	pporting Information
	a. Energy Statement tCO2 reduction, tCO2 Baseline 133.71 N/A N/A				Document Energy Strategy & Overheating	Page / section reference
Approve/Condition/Refuse Approve/Condition/Refuse	Be Lean 116.75 16.96 12.7% Be Clean 116.75 0.00 0.0%				Energy Strategy & Overheatin Energy Strategy & Overheatin	g Page 2 / Section 1.3 g Page 2 / Section 1.3
Approve/Condition/Refuse Approve/Condition/Refuse	Be Green 75.64 41.11 35.2% TOTAL 75.64 58.07 43.4% Target 0.00 133.71 100.0%				Energy Strategy & Overheatin Energy Strategy & Overheatin Energy Strategy & Overheatin	g Page 2 / Section 1.3
Require payment through s106	Shortfall 75.64 75.64 56.6%				Energy Strategy & Overheatin	q Table 8-3, page 21
	SAP10	,]				SI
	Statement tCO2 reduction, tCO2 reduction, %				Energy Strategy & Overheatin	a Dago 2 / Section 1.4
Approve/Condition/Refuse	Baseline 72.82 N/A N/A Be Lean 70.06 2.76 3.8% Be Clean 70.06 0.00 0.0%				Energy Strategy & Overheatin Energy Strategy & Overheatin Energy Strategy & Overheatin	g Page 2 / Section 1.4 g Page 2 / Section 1.4
Approve/Condition/Refuse Approve/Condition/Refuse	Be Green 33.96 36.10 51.5% TOTAL 33.96 38.86 53.4% Target 0.00 72.82 100.0%				Energy Strategy & Overheating Energy Strategy & Overheating Energy Strategy & Overheating	g Page 2 / Section 1.4
D	Shortfall 33.96 33.96 46.6% Offset £96.786				<i>y</i>	
Require payment through s106	2. Regulated and whole life carbon emissions			Chts 6 & 9		
Approve/Condition/Refuse	Regulated and whole life a. Worksheets provided (BRUKL for each stage) b. Sample method stated		Yes / No		Document Energy Strategy & Overheatin Energy Strategy & Overheatin	
	c. Whole Life Carbon Assessment provided 3. Be Lean (CPG Energy Efficiency and Adap	otation cht 3)	N/A			
Approve/Condition/Refuse	a. Passive measures i. Orientation and site layout optimised ii. All areas at least dual aspect and designed to		Yes / No N/A YES		Document Energy Strategy & Overheatin Energy Strategy & Overheatin	
	iii. Solar shading incorporated into the design iv. Exposed internal thermal mass and night time v. Glazing percentage		YES N/A 59	%	Energy Strategy & Overheatin Energy Strategy & Overheatin	g Appendix E
Assessed Over III and Darker	vi. Other please state			70	Description	
Approve/Condition/Refuse	b. Building Fabric i. Meets all Building Regulation part L2A Limiting ii. Meets all Part L2A Concurrent Notional Dwelli		Yes / No YES YES		Document Energy Strategy & Overheatin Energy Strategy & Overheatin	
	iii. Meets LETI design guide standards iv. Meets Passivhaus Standard v. Air permeability		NO NO	(m3/h.m2 at 50 Pa)		
Approve/Condition/Refuse	c. Active design measures i. High efficiency lighting		Yes / No YES		Document Energy Strategy & Overheating	Page/ section reference g Page 5 / Section 5.2
	ii. Efficient MVHR iii. Waste water heat recovery incorporated?		YES NO		Energy Strategy & Overheatin	g Page 5 / Section 5.2
	Be Clean (Camden Local Plan Policy CC1, Potential decentralised energy network	CPG Energy Efficiency and	Adaptation C	ht 4)	Document	Page/ section reference
Approve/Condition/Refuse	a. Is the site within 500m of existing network? b. If no to a) Within 1km of existing or potential r	network?	NO NO		Energy Strategy & Overheatin	g Page 13 / Section 6.1
	c. If yes to b) Future proofing checklist complete d. Is a site wide heat network proposed? e. Is Combined Heat and Power (CHP) proposed	d?	NO NO		Energy Strategy & Overheatin Energy Strategy & Overheatin	g Assessment
	f. CHP and District Heating Feasibility Checklist 5.Be Green (Camden Local Plan Policy CC1 a	t completed?	INO		Energy strategy & Overneating	grage 107 Section 0.3
	Minimum 20% reduction in CO2 from on-site	Viable (Yes /No)	Proposed	Expected tCO ₂	Document	Page / section reference
Approve/Condition/Refuse	renewable energy technologies a. Solar Thermal	NO	(kW)	saved per annum		
	b. Solar PV c. Waste heat source heat pump d. Water source heat pump	YES NO NO	76.7	9.89	Energy Strategy & Overheatin	g Page 16 / Section 7.5
	e. Ground source heat pump f. Air source heat pump (air to water) g. Air source heat pump (air to air)	NO NO YES	400	30.13	Energy Strategy & Overheatin	q Page 16 / Section 7.5
	h. Biomass i. Wind j. Other please state	NO NO			<i>U</i>	
	6. Be Seen (Camden Local Plan section 8.28,		Adaptation (Cht 5)		
Approve/Condition/Refuse	 a. Building management, metering and monitorir section 8.28, CPG Energy Efficiency and Adapta i. Will there be a whole-building energy manager 	ation section 5.19 to 5.22)	Yes / No YES		Document	Page/ section reference
	ii. Will all units be individually metered? iii. Will key plant be monitored post construction		YES YES		Energy Strategy & Overheatin Energy Strategy & Overheatin	
	b. Be Seen reporting requirements to GLA i. Required data will be upload to GLA 'Be Seen' ii. Required target dates have been set out for su		Yes / No		Document N/A N/A	Page/ section reference
	iii. Metering plans in place to enable in-use repo				N/A N/A	
	Sustainability Statement 7. Overheating Overheating / cooling (Camden Local Plan Polic	y CC2 and section 8.41.8.42	V /N-		D	David and the state of the stat
Approve/Condition/Refuse	and CPG Energy Efficiency and Adaptation Cht a. Overheating - dynamic thermal modelling com b. Cooling hierarchy followed and passive design	pleted using TM52 and TM49	Yes / No YES YES		Document Energy Strategy & Overheatin Energy Strategy & Overheatin	
	c. Is active cooling proposed? 8. Reducing Waste and the Circular Economy	1	YES		Energy Strategy & Overheatin	
Approve/Condition/Refuse	Material and waste (CPG Energy Efficiency and a. % of construction & demolition waste be reuse b. % of excavation waste be put to beneficial use	Adaptation Cht 9) ed/recycled/recovered?	Response 90	% %	Document Sustainability Statement Sustainability Statement	Page/ section reference Page 15 / Section 9.3 Page 15 / Section 9.3
	c. Circular economy statement submitted (see not Please note that the target for local authority coll	ote) lected waste of 50% to be rec	N/A		Application not referable to G	LA
	9. Green infrastructure	•		Ī		
Approve/Condition/Refuse	Green infrastructure and biodiversity (Camden L Energy Efficiency and Adaptation Cht 10) a. Green/blue roof	ocal Plan Policy CC2, CPG	Area m²		Document	Page/ section reference
	b. Green roof c. Green wall d. Brown roof		1303.8 0			
	10. Water Water efficiency (Camden Local Plan section 8.5	55 and CPG Water and				
Approve/Condition/Refuse	Flooding Cht 2) a. Greywater/rainwater harvesting system feasib		Response NO	Unit	Document	Page/ section reference
	b. Greywater harvesting capacity proposed c. Rainwater harvesting capacity proposed d. Drought resistant or low water consuming plan	nts	NO NO	m ³	N/A (Development is not majo N/A (Development is not majo	
	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-resid	ential proposals:					
Name of applicable buildings / blor Floor area (GIA)					I	
Recommendation						
(Council to complete)	Energy Statement 1. Carbon Reduction (Camden Local Plan Poli	cy CC1)			Location of justification / sup	porting Information
	a. Energy Total Stage Stage					
	Statement tCO2 reduction, reduction, %				Document	Page / section reference
Approve/Condition/Refuse	Baseline N/A N/A Be Lean 0.00 0.0%					
Approve/Condition/Refuse Approve/Condition/Refuse	Be Clean 0.00 0.0% Be Green 0.00 0.0%					
Approve/Condition/Refuse	TOTAL 0.00 0.0% Target N/A N/A N/A					
	Shortfall N/A N/A N/A Offset see notes					
Require payment through s106	payment					
	b. Energy Total Stage Stage					
	Statement tCO2 reduction, tCO2 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 see notes					
	payment					
Approve/Condition/Refuse	2. Regulated and whole life carbon emissions Regulated and whole life carbon emissions	(CPG Energy Efficiency and A	Yes / No	Chts 6 & 9	Document	Page/ section reference
	a. Worksheets provided (BRUKL for each stage) b. Sample method stated					
	c. Whole Life Carbon Assessment provided	totion Oht O		J		
Approve/Condition/Refuse	Be Lean (CPG Energy Efficiency and Adapt a. Passive measures Orientation and site layout optimised	tation Cnt 3)	Yes / No		Document	Page/ section reference
	ii. All areas at least dual aspect and designed to a iii. Solar shading incorporated into the design	allow natural ventilation				
	iv. Exposed internal thermal mass and night time v. Glazing percentage	purge ventilation		%		
	v. Other please state			,,,		
Approve/Condition/Refuse	b. Building Fabric i. Meets Building Regulation part L2B threshold li	mits for retained thermal elemen	Yes / No		Document	Page/ section reference
	ii. Meets all Part L2B improved themal values for iii. Meets all Part L2B Standards for controlled fitt					
	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?	CPC Energy Efficiency and Ad	antation C	ht 4\		
	4. Be Clean (Camden Local Plan Policy CC1, C	PG Energy Emclency and Ad	Yes / No	1 4)	Decument	Dogo/ coation reference
Approve/Condition/Refuse	Potential decentralised energy network a. Is the site within 500m of existing network?		res/No		Document	Page/ section reference
	b. If no to a) Within 1km of existing or potential ne 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					
	5.Be Green (Camden Local Plan Policy CC1 and	nd section 8.11)		Expected		
	Minimum 20% reduction in CO2 from on-site renewable energy technologies	Viable (Yes /No)	Proposed (kW)	tCO ₂	Document	Page / section reference
Approve/Condition/Refuse	a. Solar Thermal			annum		
	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, C	CPG Energy Efficiency and Ad	laptation C	ht 5)		1
	a. Building management, metering and monitoring		Yes / No]	Document	Page/ section reference
Approve/Condition/Refuse	i. Will there be a whole-building energy managem	nent system (BEMS)?				
	ii. Will all units be individually metered?iii. Will key plant be monitored post construction?					
	b. Be Seen reporting requirements to GLA i. Required data will be upload to GLA 'Be Seen'	portal	Yes / No		Document	Page/ section reference
	Required data will be upload to GEX be seen Required target dates have been set out for su Required target dates have been set out for su Required target dates have been set out for su	bsequent stages				
	Sustainability Statement	<u>-</u>		•		•
	7. Overheating Overheating / cooling (Camden Local Plan section	n 8.41.8.42 and CPG Energy		1	-	
Approve/Condition/Refuse	Efficiency and Adaptation Cht 10) a. Overheating - dynamic thermal modelling com		Yes / No		Document	Page/ section reference
	b. Cooling hierarchy followed and passive designc. Is active cooling proposed?	measures incorporated?				
	8. Reducing Waste and the Circular Economy					
Approve/Condition/Refuse	Material and waste (CPG Energy Efficiency and A. % of construction & demolition waste be reuse	d/recycled/recovered?	Response	%	Document	Page/ section reference
	b. % of excavation waste be put to beneficial use c. Circular economy statement submitted (see no	ite)	nd or comp	%	20 (60% by 2021) is assessed a	aparataly through
	Please note that the target for local authority colle consideration of the Waste Strategy document fo		ea or compo	osieu by 20	20 (00 % by 2031) is assessed s	eparately unough
	Green infrastructure Green infrastructure and biodiversity (Camden Lo	ocal Plan Policy CC2, CPG		1		_
Approve/Condition/Refuse	Energy Efficiency and Adaptation Cht 10) a. Green/blue roof		Area m ²		Document	Page/ section reference
	b. Green roof c. Green wall					
	d. Brown roof]		
	10. Water Water efficiency (Camden Local Plan section 8.5	5 and CPG Water and Flooding	Response	Unit	Document	Page/ section reference
Approve/Condition/Refuse	Cht 2) a. Greywater/rainwater harvesting system feasibi	lity assessment completed	. торопое		Dodanion	. ago, occaon reference
	b. Greywater harvesting capacity proposed c. Rainwater harvesting capacity proposed			m ³ m ³		
	d. Drought resistant or low water consuming plan	ts				