

The applicant should complete all the light blue cells including information on the modelled units, the area per unit, the number of units, the TER/DER/BER and the TFEF/DFEE.																				
RESIDENTIAL CO ₂ ANALYSIS (PART L1)																				
				Baseline		'Be Lean'	'Be Clean'	'Be Green'	Fabric Energy Efficiency (FEE)		Baseline		'Be Lean'		'Be Clean'		'Be Green'			
Unit Identifier (e.g. plot number, dwelling type etc.)	Model total floor area	Number of units	Total area represented by model	TER	Energy saving/generation technologies (-)	DER	DER	DER	Target Fabric Energy Efficiency	Dwelling Fabric Energy Efficiency	Part L 2021 CO ₂ emissions	Energy saving/generation technologies	Part L 2021 CO ₂ emissions	Part L 2021 CO ₂ emissions with Notional PV savings included	'Be Lean' savings	Part L 2021 CO ₂ emissions	Part L 2021 CO ₂ emissions with Notional PV savings included	'Be Clean' savings	Part L 2021 CO ₂ emissions	'Be Green' savings
	(m ²) (Row 4)		(m ²)	(kCO ₂ / m ²) (Row 273)	(kgCO ₂ p.a.) (Row 269)	(kCO ₂ / m ²) (Row 273 or 384)	(kCO ₂ / m ²) (Row 273 or 384)	(kCO ₂ / m ²) (Row 273 or 384)	(kWh/m ²)	(kWh/m ²)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)
	93.43		93.43	12.91	-360.60	15.41	15.41	4.74			1,206	-361	1,440	1,079	127	1,440	1,079	0	443	636
Sum	0	93		12.9	-360.6	15.4	15.4	4.7	0.0	0.0	1,206	-361	1,440	1,079	127	1,440	1,079	0	443	636
NON-RESIDENTIAL CO ₂ ANALYSIS (PART L2)																				
				Baseline		'Be Lean'	'Be Clean'	'Be Green'			Baseline		'Be Lean'		'Be Clean'		'Be Green'			
Building Use	Model Area	Number of units	Total area represented by model	BRUKL TER	BRUKL Displaced electricity (-)	BRUKL BER	BRUKL BER	BRUKL BER			Part L 2021 CO ₂ emissions	Energy saving/generation technologies	Part L 2021 CO ₂ emissions	Part L 2021 CO ₂ emissions with Notional PV savings included	'Be Lean' savings	Part L 2021 CO ₂ emissions	Part L 2021 CO ₂ emissions with Notional PV savings included	'Be Clean' savings	Part L 2021 CO ₂ emissions	'Be Green' savings
	(m ²)		(m ²)	(kCO ₂ / m ²)	(kWh / m ²)	(kCO ₂ / m ²)	(kCO ₂ / m ²)	(kCO ₂ / m ²)			(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)	(kgCO ₂ p.a.)
Sum	0	0		0.0	0.0	0.0	0.0	0.0			0	0	0	0	0	0	0	0	0	0
SITE-WIDE ENERGY CONSUMPTION AND CO ₂ ANALYSIS											1,206	-361	1,440	1,079	127	1,440	1,079	0	443	636
Total Sum	93			-	-	-	-	-			1,206	-361	1,440	1,079	127	1,440	1,079	0	443	636

Part L 2021 Performance	
Residential	Non-residential

Part L 2021 Performance	
Residential	Non-residential

Table 1. Carbon Dioxide Emissions after each stage of the Energy Hierarchy for residential building

	Carbon Dioxide Emissions for residential buildings (Tonnes CO ₂ per annum)	
	Regulated	Unregulated
Baseline: Part 201 of the Building Regulations (Construction Regulations)	1.2	
After energy demand reduction (see table)	1.1	
After heat network connection (see table)	1.1	
After renewable energy (see table)	0.6	

Table 2. Required Carbon Dioxide savings from each stage of the Energy Hierarchy for residential buildings

	Regulated residential carbon dioxide savings	
	(Tonnes CO ₂ per annum)	(%)
Boiler: savings from energy demand reduction	0.1	11%
Boiler: savings from heat network	0.0	0%
Boiler: savings from renewable energy	0.6	53%
Cumulative on site savings	0.8	63%
Annual savings from off-net payment	0.6	-
	(Tonnes CO ₂)	
Cumulative savings for off-net payment	12	-
Cash-in-flow contribution	1,282	

*Carbon price is based on GLA recommended price of £26 per tonne of carbon dioxide unless Local Planning Authority price is inputted in the 'Development Information' tab.

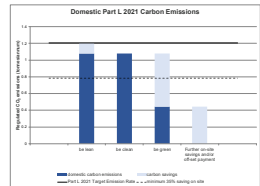


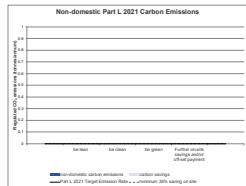
Table 2. Carbon Dioxide Emissions after each stage of the Energy Hierarchy for non-residential buildings

	Carbon Dioxide Emissions for non-residential buildings (Tonnes CO ₂ per annum)	
	Regulated	Unregulated
Baseline: Part L 2021 of the Building Regulations (Current Assessment)	0.0	
After energy demand reduction (See table)	0.0	
After heat network connection (See table)	0.0	
After renewable energy (See table)	0.0	

Table 6. Regulated Carbon Dioxide savings from each stage of the Energy Hierarchy for non-residential buildings

	Re-gained non-recycled carbon dioxide savings	
	(Business CO ₂ per annum)	(%)
Be lean: savings from energy demand reduction	0.0	0%
Be clean: savings from heat network	0.0	0%
Be green: savings from renewable energy	0.0	0%
Total Cumulative Savings	0.0	0%
Annual savings from off-set payment	0.0	-
	(Business CO ₂)	
Cumulative savings for off-set payment	0	-
Cash in-levy contribution	0	

*Carbon price is based on GLA recommended price of £26 per tonne of carbon dioxide unless Local Planning Authority price is inputted in the 'Development Information' tab.



	Site	Year	Value	Unit	Notes
SITE-WIDE					

	Total regulated sources (Tonnes CO ₂ / year)	CO ₂ savings (Tonnes CO ₂ / year)	Percentage savings (%)
Part 1, 2021 baseline	1.2		
Be blue	0.1	0.1	11%
Be clean	0.1	0.0	0%
Be green	0.4	0.6	50%
Total Savings	-	0.8	67%
		CO ₂ savings off-set (Tonnes CO ₂)	-
Off-set	-	12.3	-

	Target Fabric Energy Efficiency (kWh/m ²)	Existing Fabric Energy Efficiency (kWh/m ²)	Improvement (%)
Development total	0.00	0.00	

	Area weighted non-residential cooling demand (MJ/m ²)	Total non-residential cooling demand (MJ/year)
Actual		
National		

EUI & space heating demand (predicted energy use)

Residential						
			Model	Source location		

Building type	Est. (kWh/m ² /yr) (including renewable energy)	Space heating demand (kWh/m ² /yr) (including renewable energy)	Est. value from Table 4 of the guidance (kWh/m ² /yr) (including renewable energy)	Estimate from Table 4 of the guidance (kWh/m ² /yr) r)	Methodology used to assess methodology or an alternative predictive energy modelling on building(s)	Explanatory notes (if expected performance differs from the Table 4 values in the guidance)
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Non-residential						
			ECU value from	Space heating	Methodology used	

[illegible]