

Appendix A - Domestic Results Tables



Cumulative Emissions & Savings

The following tables are presented in accordance with the advice presented within 'Energy Planning - Greater London Authority guidance on preparing energy assessments'.

	Carbon dioxide emissions for domestic buildings (Tonnes CO ₂ per annum)	
	Regulated	Unregulated
Baseline: Part L 2013 of the Building Regulations Compliant Development	12.42	2.84
After energy demand reduction	11.77	2.84
After heat network / CHP	10.09	2.84
After renewable energy	8.98	2.84

Table 1: Carbon Dioxide Emissions after each stage of the Energy Hierarchy for domestic buildings.

	Regulated Carbon dioxide savings (Tonnes CO ₂ / annum)	
	(Tonnes CO ₂ / annum)	(%)
Savings from energy demand reduction	0.65	5.23
Savings from heat network / CHP	1.68	13.50
Savings from renewable energy	1.11	8.96
Cumulative on site Savings	3.44	27.69
Total Target Savings	2.48	20.00
Annual Surplus	0.95	

Table 2: Regulated carbon dioxide savings from each stage of the Energy Hierarchy for domestic buildings.

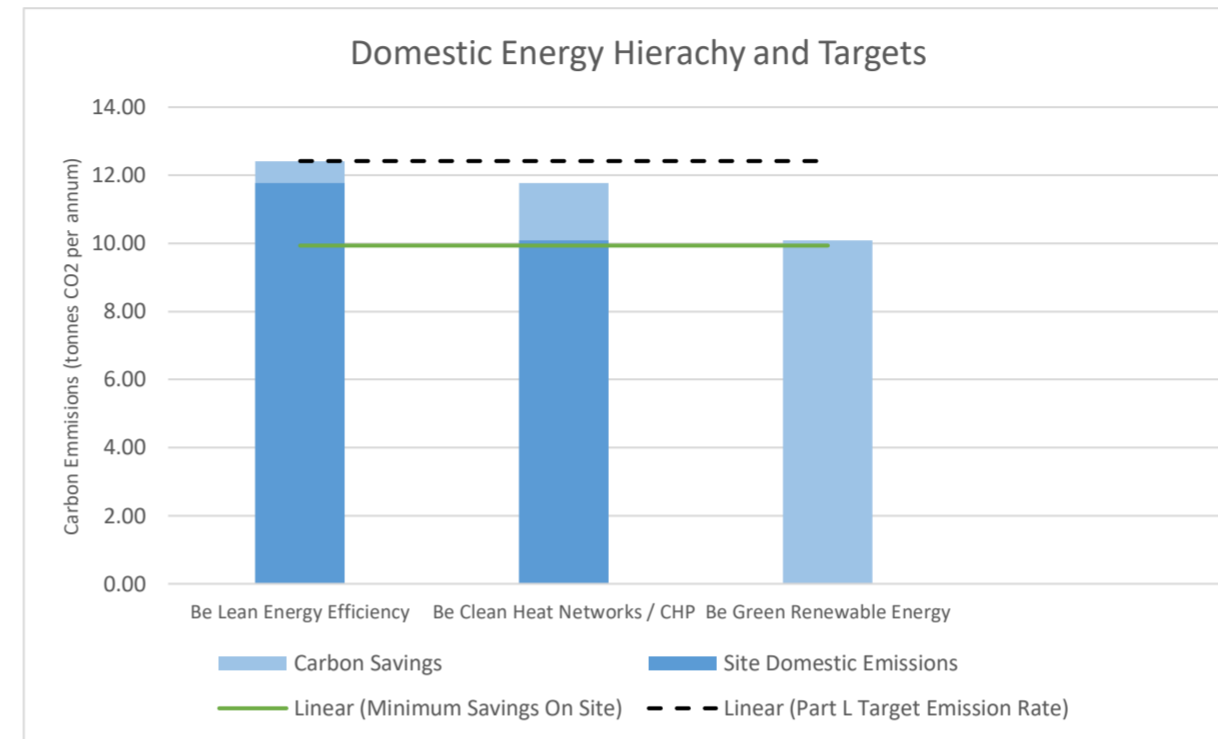


Figure 1: The Domestic Energy Hierarchy

Results by Plot

Baseline

<i>Baseline: Part L 2013 of the Building Regulations Compliant Development</i>	Domestic Total (Sum)	Unit 1 (Two)	Unit 6 (Single)
	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)
Baseline	12.418	2.084	10.334

Be Lean

<i>After energy demand reduction</i>	Domestic Total (Sum)	Unit 1 (Two)	Unit 6 (Single)
	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)
Baseline	12.418	2.084	10.334
Be Lean	11.769	2.054	9.715
% Improvement	5.23	1.45	5.99

Be Lean & Clean

<i>After heat network / CHP</i>	Domestic Total (Sum)	Unit 1 (Two)	Unit 6 (Single)
	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)
Baseline	12.418	2.084	10.334
Be Lean & Clean	10.093	1.813	8.280
% Improvement	18.73	13.02	19.88

Be Lean, Clean & Green

<i>After renewable energy</i>	Domestic Total (Sum)	Unit 1 (Two)	Unit 6 (Single)
	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)	Cumulative CO ₂ Emissions (tonnes CO ₂ per annum)
Baseline	12.418	2.084	10.334
Be Lean, Clean & Green	8.980	1.678	7.302
% Improvement	27.69	19.50	29.34

Unregulated Emissions

<i>Emissions from Sources not Regulated under Part L of the Building Regulations (Tonnes CO₂ / annum)</i>	Domestic Total (Sum)	Unit 1 (Two)	Unit 6 (Single)
	2.84	1.38	1.46