

Hampstead School Sports Hall

		Lean	Clean	Green
<u>Criterion 1 - CO₂ emission rate calculations</u>				
1.1 Calculated CO ₂ emission rate from notional building	kgCO ₂ .m ² .annum	24.7	24.7	24.7
1.2 Target CO ₂ Emission Rate (TER)	kgCO ₂ .m ² .annum	24.7	24.7	24.7
1.3 Building CO ₂ Emission Rate (BER)	kgCO ₂ .m ² .annum	21.2	21.2	15.6
1.4 Are emissions from building less than or equal to the target?		PASS	PASS	PASS
1.5 % improvement BER over TER	%	14.17	14.17	36.84
Foor area	m ²	5345		

Table 1: Carbon dioxide emissions after each stage of the energy hierarchy

		Carbon dioxide emissions	
		Tonnes CO ₂ per annum	
		Regulated	Unregulated
Building Regulations 2013 Part L Compliant Development	A	132	
After energy demand reduction	B	113	
After CHP	C	113	
After renewable energy	D	83	

Table 2: Regulated carbon dioxide savings from each stage of the energy hierarchy

	Regulated Carbon dioxide savings	
	(Tonnes CO ₂ per annum)	(%)
Savings from energy demand reduction	19	14.2%
Savings from CHP	0	0.0%
Savings from renewables energy	30	26.4%
Total Cumulative Savings	49	36.8%