SEGRO @ 35% CO2 reduction (submitted scheme) + Barrett

	Carbon diox	for non-domestic buildings	
	Regu	2 per annum) Unregulated	
Baseline: Part L 2013 of the Building Regulations Compliant Development	А	668.15	131.98
After energy demand reduction	В	471.80	131.98
After heat network / CHP	С	458.16	131.98
After renewable energy	D	438.03	131.98

	Regulated non-domestic carbon dioxide savings				
	(Tonnes CO2	per annum)	(%)		
Savings from energy demand reduction	A - B	196.35	(A - B)/A x 100	29.39%	
Savings from heat network / CHP	B - C	13.64	(B - C)/A x 100	2.04%	
Savings from renewable energy	C - D	20.13	(C - D)/A x 100	3.01%	
Total Cumulative Savings	A - D = E	230.12	(A - D)/A x 100	34.44%	

	1	tfall (Tonnes 02)	Cummulative Shortfall (Tonnes CO2)		
Total Target Savings	A x 0.35 = F	233.85	<b>a</b>		
Shortfall / Surplus	F - E = G	3.73	G x 30	111.975	

	Carbon dioxide emissions for domestic buildings (Tonnes CO2 per annum)			
	Regu	ılated	Unregulated	
Baseline: Part L 2013 of the Building Regulations Compliant Development	А	1395.86	1662.23	
After energy demand reduction	В	1353.76	1662.23	
After heat network / CHP	С	1031.52	1662.23	
After renewable energy	D	882.44	1662.23	

	Regulated domestic carbon dioxide savings				
Savings from energy demand reduction	(Tonnes CO2 per annum)		(%)		
	A - B	42.10	(A - B)/A × 100	3.02%	
Savings from heat network / CHP	B - C	322.24	(B - C)/A x 100	23.09%	
Savings from renewable energy	C - D	149.08	(C - D)/A x 100	10.68%	
Cumulative on site savings	A - D = E	513.42	(A - D)/A x 100	36.78%	
Annual Savings from off-set payment	-A - E = F	882.44			
Cumulative savings for off-set payment	F * 30 years = G	26473.20			

	Total regulated emissions (Tonnes CO2/year)		CO2 savings (Tonnes CO2/year)		Percentage savings (%)	
Part L 2013 baseline	A dom + A non dom	2064.01	~		=	
Be lean	B dom + B non dom	1825.56	total A - total B	238.45	(total A - total B)/total A x 100	11.55%
Be clean	C dom + C non dom	1489.68	total B - total C	335.88	(total B - total C)/total A x 100	16.27%
Be green	D dom + D non dom	1320.47	total C - total D	169.21	(total C - total D)/total A x 100	8.20%
			CO2 savings off-set (Tonnes CO2)			
Off - set			G dom + H non dom	26585.18		

offset paymet (at £60/tonne) £1,595,111