

SEGRO @ 20% on site renewables (updated scheme) + Barrett

	Carbon dioxide emissions for non-domestic buildings (Tonnes CO2 per annum)		
		Regulated	Unregulated
Baseline: Part L 2013 of the Building Regulations Compliant Development	A	668.15	131.98
After energy demand reduction	B	471.80	131.98
After heat network / CHP	C	458.16	131.98
After renewable energy	D	382.19	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	75.97	(C - D)/A x 100	11.37%
<b>Total Cumulative Savings</b>	A - D = E	285.96	(A - D)/A x 100	42.80%

	Annual Shortfall (Tonnes CO2)		Cummulative Shortfall (Tonnes CO2)	
Total Target Savings	A x 0.35 = F	233.85	-	
Shortfall / Surplus	F - E = G	-52.11	G x 30	-1563.225

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

	Regulated domestic carbon dioxide savings			
		(Tonnes CO2 per annum)	(%)	
Savings from energy demand reduction	A - B	42.10	(A - B)/A x 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%
<b>Cumulative on site savings</b>	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	1264.63	total C - total D	225.05	(total C - total D)/total A x 100	10.90%
			<b>CO2 savings off-set (Tonnes CO2)</b>			
Off - set			G dom + H non dom	24909.98		

**offset paymet (at £60/tonne) £1,494,599**