

Sladacre Barn, Bath Rd, Blagdon BS40 7TH
Energy Strategy Calculations

1 Summary Table					
	Primary Energy Demand (kWh/m ² /yr)	CO ₂ emissions (kgCO ₂ /m ² /yr)	Total Primary Energy Demand (kWh/yr)	Total CO ₂ emissions (kgCO ₂ /yr)	floor area
Baseline Energy Demand and emissions Building Regulations Part L compliance	260	4.05	24013.6	374.058	92.36
Proposed scheme after energy efficiency measures - (Dwelling Emissions Rate)	226	3.53	20873.36	326.0308	
Energy and CO2 reduction over baseline	34	0.52	3140.24	48.0272	
% Energy and CO2 reduction over baseline	13.08	12.84	13.08	12.84	

2 Detailed measures				
2.1 Energy efficiency measures measures				
Part L1A values (2013 or most current)				
Element or system	Dwellings	Proposed	Reduction	
Wall	0.3	0.25	0.05	
Roof insulated slope	0.2	0.17	0.03	
Floor	0.25	0.16	0.09	
Windows/doors	2	1.2/1.3	0.8/0.7	
Roof Windows	2	0.60	1.40	
Permeability	15	15	0	