## Sustainability Statement – Providing Internal Wall Insulation and Ground Floor Insulation

	Regulated CO2	CO2 saved	% CO2 Reduction
Baseline energy demand and emissions Building Regulations Part L compliance (equivalent to the Target Emissions Rate TER for new build, or building regulations compliant BER for existing buildings)	3900		
Proposed scheme after energy efficiency measures	2100	1800	1800/3900 x100 = 46.15%
Proposed scheme after energy efficiency measures and CHP (if suitable for the development) or non- renewable district heating – 'residual emissions'			
Proposed scheme after renewables			
Total CO2 reduction beyond baseline emissions			46.15%

	Regulated Energy Demand (kW/yr)	Kw/yr saved	% Kw/y Reduction
Baseline energy demand and emissions Building Regulations Part L compliance (equivalent to the Target Emissions Rate TER for new build, or building regulations compliant BER for existing buildings)	12762.0 + 2345.0 = 15107.0		
Proposed scheme after energy efficiency measures	8054	7053	7053/15107 x100 = 46.69%
Proposed scheme after energy efficiency measures and CHP (if suitable for the development) or non- renewable district heating – 'residual emissions'			
Proposed scheme after renewables			
Total CO2 reduction beyond baseline emissions			46.69%

The calculations attached highlight the percentage decrease in CO2 and energy demand of the property. The client intends to provide further insulation to the internal walls and the ground floor. In turn this will provide greater energy and CO2 emission savings than the required 20%. Please see the table on page 1 for further information on calculations and total savings.