**Energy Statement**

**220 – 222 Wellington Road South, Stockport, SK2 6RS**

**‘Conversion, refurbishment and extension of 220 Wellington Road South and 222 Wellington Road South as a 13 bed HMO (sui generis use) and a 12 bed HMO (sui generis use) respectively together with associated car parking, bin and bike storage’.**

**Step 1:**

The development is for conversion and extension of existing buildings and does not trigger Stockport’s carbon reduction policy target thresholds.

**Step 2:**

The scheme will be built to the minimum Part L of the Building Regulations June 2022

**Step 3:**

The design and specification details proposed will at the very least meet those required by the Building Regulations Part L of the Building Regulations June 2022. As we have not reached building regulations stage we cannot confirm what level of insulation will be included.

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| --- | --- | --- | --- | --- |
| Technology  | Technical Feasibility  | Carbon Savings  | Estimated Costs  | Financial Viability (Insert proportion of estimated project costs)  |
| Solar photovoltaic  | The rear pitches of the roof will accommodate PV panels as per submitted drawings. | 20% | £7000 per PV unit  | To be incorporated into scheme. Project cost TBC. |
| Wind Power  | Predicted wind speed not considered sufficient. Visual impact of wind generation would also impact on Green Belt location. | Not sufficient wind speed according to web resources  | N/A | N/A |
| Micro Hydro  | There is no capacity for micro hydro on this site since there are no local water courses available.  | N/A | N/A | N/A |
| District Heating  | It is understoodthat there are no existing or planned district heating networks to facilitate connection at this stage  | N/A |  |  |
| Solar Hot Water  | The roof could accommodate panels although the preference is for Solar PV taking account of limited roof space available.  | 10% | £6000 per unit  | N/A |
| Ground Source Heat Pumps  | Not applicable not sufficient land  | N/A | N/A | N/A |
| Biomass | At present no storage building is included. A redesign would need to be undertaken to include a storage building or extension to accommodate a biomass system. There is not sufficient room to allow.  | N/A |  |  |

The development will be to at least 2022 Building Regulations standards. Until we reach building regulations stage we cannot set a target emission rate. In accordance with Part L of the building regulations such a rate will be set.