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Ringway Primary School

SUSTAINABILITY STATEMENT FOR PLANNING

The proposed building at Ringway Primary School has been preliminarily modelled with a compliant modelling software tool (TAS) and is predicted to comply with the Solar Gain, CO_2 emissions and energy savings required to meet Part L2A (2013) of the Building Regulations.

However, due to the building's size and the minimal energy footprint, the building does not achieve the planning requirement of 20% of the building's energy use to be provided by renewable systems.

The building as currently modelled achieves a 5% improvement over Part L2A.

For the development at Ringway school, the design will achieve the above improvement over Part L by typically incorporating the following measures: -

- The use of building material and construction of the building that will achieve compliance with the requirements of Part L2A (2013) of the Building Regulations.
- Efficient mechanical and electrical equipment, such as inverter drives on motors and daylight linked auto dimmable luminaires.
- Lighting control including occupancy and absence detectors.
- The use of gas fired boilers to provide heating, domestic hot water.
- Energy efficient controls ensuring environmental conditions are monitored and controlled to close parameters.
- Devices to minimise water consumption.

In order to achieve the planning requirement, alternative servicing options have been considered and modelled, however the building still fails to achieve the planning requirement.

As such, our recommendation would be to derogate against this requirement. Due to the building's size and already small energy consumption, it is unlikely that it will be able to comply with this requirement without a significant amount of renewable systems far in excess of what the building requires to function and the costs associated for the scheme.