

Sustainability / Energy Statement

Project Ref: M2870

Project Title: Glossop Fire Station

Date: 11.07.23

The new building will be designed to be energy efficient and look to reduce its carbon impact through the following measures:

- Utilise low U value materials to construct the external walls, roof and ground floor to minimise heat losses,
 - Utilise high-performance solar controlled glazing for solar gain control,
 - Utilise low emissivity double glazing to reduce heat losses,
 - Incorporate automatic control systems.
 - Incorporate additional thermal mass into the building fabric where practicable,
 - Include summer bypass to MVHR units,
 - Enhance natural daylighting where available,
 - Include daylight dimming controls to communal and transient spaces.
 - Photovoltaic panels
 - Air source heat pumps
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