

25th July 2019
Our reference: 712667L02

Brighdin Neeson
Farrans Construction
New Cambridge House
Bassingbourn Road
Litlington nr Royston
SG8 0SS

PARLIAMENT HILL NEW TEACHING BLOCK – BREEAM ENERGY CREDITS

Dear Brighdin,

The current Energy score for the New Teaching Block at Parliament Hill School is 90%; 18 out of 20 scoped in credits achieved:

- Ene 01 Reduction of Energy Use and Carbon Emissions: 11/12 credits
- Ene 02 Energy Monitoring: 2/2 credits
- Ene 03 External Lighting: 1/1 credit
- Ene 04 Low Carbon Design: 2/2 credits
- Ene 08 Energy Efficient Equipment: 2/2 credits

The two credits not achieved above are one credit under Ene 01 – the current score is based on the actual building performance and already shows a very energy efficient building. To improve this further would mean a cost to the development and potentially a retrofit to the building. The second credit not achieved is under Ene 04 (free cooling credit) – the building is a mixed mode and does not have a free cooling strategy as there are fans to assist with comfort cooling and other areas cooled with mechanical ventilation. This is for overall comfort of the pupils and staff and to ensure no overheating. Therefore, the credit cannot be achieved.

A number of the Energy credits were also scoped out of the assessment as they were either not applicable either to a BREEAM Education: School Assessment, or because the features were not in the school building design. The credit weighting percentages are therefore distributed across the scoped in credits instead so there is no loss to the overall score, but also no way of achieving any further credits under the Energy category as well:

- **Ene 05 Energy Efficient Cold Storage** - no commercial fridges or freezers in the building scope so N/A to the assessment

- **Ene 06 energy Efficient Transportation System** – no lifts in the building so N/A to the assessment
- **Ene 07 Energy Efficient Laboratory Systems** - This issue is applicable only to Further education, Higher education, Offices with Research and development areas and Other buildings with Research and development facilities that contain laboratory space and containment devices and/or areas. This issue is not applicable for School buildings (primary and secondary level).

The assessment has therefore achieved the maximum credits it is able to and has scored very highly in the Energy Category.

Yours sincerely

For RSK Environment Limited



Lorna Hurst
Principal Consultant