

Employer's Requirements

(Revision 18 – Issue October 2023)

Specification for all tenures

Appendix 08 to ER v.18 Section 1: Procedural Issues



ERs v.18 BPE – Energy and Carbon Monitoring

8.1 Building Performance Evaluation (BPE)

8.1.1 The Contractor shall support the Employer and building occupants in achieving building performance through an agreed evaluation and reporting regime.

8.1.2 The Contractor shall support the Employer and building occupants by setting up and carrying out BPE reviews and reporting at 3-6 months and 9-12 months post Practical Completion.

This shall comprise:

- a) analysis of information on the project before the visit,
- b) two-part site visit and walk around/meeting with the employer – the Contractor (including MEP and controls specialist),
- c) photos of the Works reviewed,
- d) completion of an FM questionnaire,
- e) completion of an occupant questionnaire, and
- f) review of the BMS system and energy consumption data.

8.1.3 Follow up actions after the initial meeting shall comprise:

- a) analysis of the data collected for each School/College,
- b) compilation of a report on all findings, energy trends and observations from each scheme/ block – aimed at the Employer and Employer's Representative,
- c) compilation of short summary report that will go back to the Employer

8.1.4 All reports shall follow the standard Employer's format i.e. an Initial Performance Review Report followed by a Final Performance Review Report.

8.2 Energy Monitoring & Bench Marking

8.2.1 Reporting of Energy In Use consumption data and performance verification of systems shall be monitored against the benchmarks of expected as designed performance.

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8.3 Carbon Reporting

8.3.1 Embodied Carbon in Construction shall be reported at:

- a) Three months post-Practical Completion (Interim Report).
- b) At end of Rectification Period (Final Report).

8.3.2 Operational carbon reflecting 'in use' data during the Rectification Period shall be reported at:

- a) Six months post-Practical Completion (Interim Report).
- b) At end of Rectification Period (Final Report).

8.3.3 At the end of the Rectification Period the above information shall be collated and captured into a 'Year 1' Net Zero Strategy Report.