

# NHBC Energy services

## 5-Point Guide to energy performance, ratings and planning reports

### 1. What are the requirements for energy?

Compliance with Part L 2010 of the Building Regulations requires design stage Standard Assessment Procedure (SAP) calculations and Energy Performance Certificates (EPCs) for every dwelling.

NHBC can provide you with SAP and EPCs, as well as consultancy advice on complying with the regulations, Code for Sustainable Homes targets or renewable energy targets for planning.

We also provide Simplified Building Energy Model (SBEM) calculations and non-domestic EPCs to show compliance with Part L2 of the Building Regulations. This will be needed if your scheme includes heated communal space and non-residential buildings.

### 2. When do I need them?

Local authorities may set energy targets for developments - design stage - SAP calculations and planning reports from NHBC help satisfy those requirements.

A SAP calculates Dwelling and Target Emission Rates (DER/TER) at design stage, which must be submitted with the specification and drawings to building control before works start on site.

The EPC is a measure of the as-built dwelling's energy performance, and should be submitted to building control, plus given to the homeowner, within five days of 'practical completion'.

### 3. What are the key challenges?

Part L 2010 is a 25% improvement over Part L 2006 that requires better fabric insulation, and potentially low or zero carbon technologies.

Thermal bridging needs to be looked at early during the design process. NHBC assessors can provide guidance on achieving the best performance in an affordable way.

Air permeability rating is a key part of the EPC calculation, as non-tested dwellings face a +2 penalty compared to the average tested air leakage rate, and a schedule of tests and results needs to be managed and sent to building control.

### 4. What can NHBC do to help?

Our complete service provides SAP and EPC across the UK, plus SBEM for any heated communal spaces or non-domestic buildings.

You combine our Energy service with NHBC Air leakage testing and NHBC Building Control for the best solution to Part L requirements - with consistent advice and a simple, joined-up service.

### 5. Why choose NHBC?

NHBC's unparalleled technical expertise means you get the best advice for your scheme, based on our experience of over 120,000 energy assessments.

Our service is fast and efficient, and if you are also using NHBC Building Control, we can use your submitted plans. You save time as certificates are delivered electronically and hosted on our Extranet.

No payment is required up front for account customers - this really helps both your build programme and your finances.

For further information, please go to [www.nhbc.co.uk/energy](http://www.nhbc.co.uk/energy).  
To order SAP, EPC, SBEM or planning reports, call 0844 633 1000 and ask for 'Sales'.