



**VITAL**  
property solutions

Grenville Court, Britwell Road, Burnham, Slough SL1 8DF

0845 111 7700 [vitaldirect.co.uk](http://vitaldirect.co.uk)

## ENERGY PERFORMANCE CERTIFICATE

**Eastwood House  
Globe Road  
Chelmsford  
CM1 1QW**

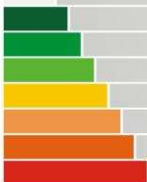
**26 July 2011**

**Vital Property Solutions**

The UK's specialist EPC and DEC provider

Energy Performance Certificates (EPCs) for commercial property nationwide

Display Energy Certificates (DECs) for public sector property nationwide



# Energy Performance Certificate

Non-Domestic Building



Eastwood House  
Glebe Road  
CHELMSFORD  
CM1 1QW

Certificate Reference Number:  
0230-7971-0349-1550-3084

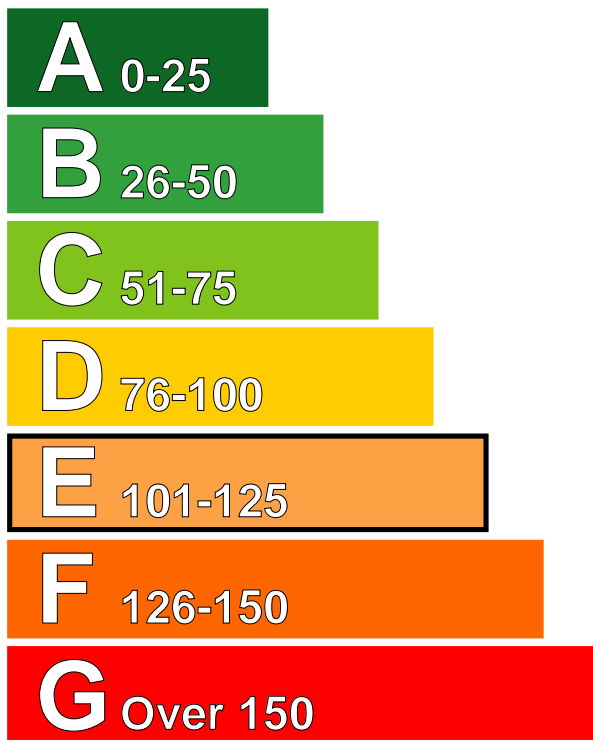
This certificate shows the energy rating of this building. It indicates the energy efficiency of the building fabric and the heating, ventilation, cooling and lighting systems. The rating is compared to two benchmarks for this type of building: one appropriate for new buildings and one appropriate for existing buildings. There is more advice on how to interpret this information on the Government's website [www.communities.gov.uk/epbd](http://www.communities.gov.uk/epbd).

## Energy Performance Asset Rating

More energy efficient



Net zero CO<sub>2</sub> emissions



◀ 121 This is how energy efficient the building is.

Less energy efficient

## Technical information

Main heating fuel:	Natural Gas
Building environment:	Mixed-mode with Mechanical Ventilation
Total useful floor area (m <sup>2</sup> ):	13554
Building complexity (NOS level):	3
Building emission rate (kgCO <sub>2</sub> /m <sup>2</sup> ):	62.84

## Benchmarks

Buildings similar to this one could have ratings as follows:

43	If newly built
115	If typical of the existing stock

## Administrative information

This is an Energy Performance Certificate as defined in SI2007:991 as amended

<b>Assessment Software:</b>	iSBEM v4.1.c using calculation engine SBEM v4.1.c.2
<b>Property Reference:</b>	784713510000
<b>Assessor Name:</b>	Russ McAnulla
<b>Assessor Number:</b>	BREC100010
<b>Accreditation Scheme:</b>	Bre
<b>Employer/Trading Name:</b>	Vital Energy
<b>Employer/Trading Address:</b>	Grenville Court, Britwell Road, Burnham, Slough, SL1 8DF
<b>Issue Date:</b>	26 Jul 2011
<b>Valid Until:</b>	25 Jul 2021 (unless superseded by a later certificate)
<b>Related Party Disclosure:</b>	Not related to the owner

**Recommendations for improving the property are contained in Report Reference Number: 9718-4053-0794-0300-5125**

## If you have a complaint or wish to confirm that the certificate is genuine

Details of the assessor and the relevant accreditation scheme are on the certificate. You can get contact details of the accreditation scheme from the Government's website at [www.communities.gov.uk/epbd](http://www.communities.gov.uk/epbd), together with details of the procedures for confirming authenticity of a certificate and for making a complaint.



For advice on how to take action and to find out about technical and financial assistance schemes to help make buildings more energy efficient visit [www.carbontrust.co.uk](http://www.carbontrust.co.uk) or call us on **0800 085 2005**

# Recommendation Report



**Report Reference Number: 9718-4053-0794-0300-5125**

Eastwood House  
 Glebe Road  
 CHELMSFORD  
 CM1 1QW

Building Type(s): B1 Offices and Workshop businesses

<b>ADMINISTRATIVE INFORMATION</b>	
Issue Date:	26 Jul 2011
Valid Until:	25 Jul 2021 (*)
Total Useful Floor Area (m <sup>2</sup> ):	13554
Calculation Tool Used:	iSBEM v4.1.c using calculation engine SBEM v4.1.c.2
Property Reference:	784713510000
Energy Performance Certificate for the property is contained in Report Reference Number: 0230-7971-0349-1550-3084	

<b>ENERGY ASSESSOR DETAILS</b>	
Assessor Name:	Russ McAnulla
Employer/Trading Name:	Vital Energy
Employer/Trading Address:	Grenville Court, Britwell Road, Burnham, Slough, SL1 8DF
Assessor Number:	BREC100010
Accreditation scheme:	Bre
Related Party Disclosure:	Not related to the owner

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## 1. Background

Statutory Instrument 2007 No. 991, *The Energy Performance of Buildings (Certificates and Inspections) (England and Wales) Regulations 2007*, as amended, transposes the requirements of Articles 7.2 and 7.3 of the Energy Performance of Buildings Directive 2002/91/EC.

This report is a Recommendation Report as required under regulations 16(2)(a) and 19 of the Statutory Instrument SI 2007:991.

This section provides general information regarding the building:

Total Useful Floor Area (m <sup>2</sup> ):	13554
Building Environment:	Mixed-mode with Mechanical Ventilation

## 2. Introduction

This Recommendation Report was produced in line with the Government's approved methodology and is based on calculation tool iSBEM v4.1.c using calculation engine SBEM v4.1.c.2 .

In accordance with Government's current guidance, the Energy Assessor did undertake a walk around survey of the building prior to producing this Recommendation Report.

### 3. Recommendations

The following sections list recommendations selected by the energy assessor for the improvement of the energy performance of the building. The recommendations are listed under four headings: short payback, medium payback, long payback, and other measures.

#### ***a) Recommendations with a short payback***

This section lists recommendations with a payback of less than 3 years:

<b>Recommendation</b>	<b>Potential impact</b>
Consider replacing T8 lamps with retrofit T5 conversion kit.	LOW

#### ***b) Recommendations with a medium payback***

This section lists recommendations with a payback of between 3 and 7 years:

<b>Recommendation</b>	<b>Potential impact</b>
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	LOW
Add optimum start/stop to the heating system.	LOW
The default heat generator efficiency is chosen. It is recommended that the heat generator system be investigated to gain an understanding of its efficiency and possible improvements.	LOW

#### ***c) Recommendations with a long payback***

This section lists recommendations with a payback of more than 7 years:

<b>Recommendation</b>	<b>Potential impact</b>
Some windows have high U-values - consider installing secondary glazing.	MEDIUM
Add weather compensation controls to heating system.	LOW
The default chiller efficiency is chosen. It is recommended that the chiller system be investigated to gain an understanding of its efficiency and possible improvements.	LOW

Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	MEDIUM
Consider installing building mounted wind turbine(s).	LOW

***d) Other recommendations***

This section lists other recommendations selected by the energy assessor, based on an understanding of the building, and / or based on a valid existing energy report.

No recommendations defined by the energy assessor have been identified



## 4. Next steps

### ***a) Your Recommendation Report***

As the building occupier, regulation 10(1) of SI 2007:991 requires that an Energy Performance Certificate "*must be accompanied by a recommendation report*".

You must be able to produce a copy of this Recommendation Report within seven days if requested by an Enforcement Authority under regulation 39 of SI 2007:991.

This Recommendation Report has also been lodged on the Government's central register. Access to the report, to the data used to compile the report, and to previous similar documents relating to the same building can be obtained by request through the Non-Dwellings Register ([www.epcregister.com](http://www.epcregister.com)) using the report reference number of this document.

### ***b) Implementing recommendations***

The recommendations are provided as an indication of opportunities that appear to exist to improve the building's energy efficiency.

The calculation tool has automatically produced a set of recommendations, which the Energy Assessor has reviewed in the light of his / her knowledge of the building and its use. The Energy Assessor may have comments on the recommendations based on his / her knowledge of the building and its use. The Energy Assessor may have inserted additional measures in section 3d (Other Recommendations). He / she may have removed some automatically generated recommendations or added additional recommendations.

These recommendations do not include matters relating to operation and maintenance which cannot be identified from the calculation procedure.

***c) Legal disclaimer***

The advice provided in this Recommendation Report is intended to be for information only. Recipients of this Recommendation Report are advised to seek further detailed professional advice before reaching any decision on how to improve the energy performance of the building.

***d) Complaints***

Details of the assessor and the relevant accreditation scheme are on this report and the energy performance certificate. You can get contact details of the accreditation scheme from our website at [www.communities.gov.uk/epbd](http://www.communities.gov.uk/epbd), together with details of their procedures for confirming authenticity of a certificate and for making a complaint.

## 5. Glossary

### **a) Payback**

The payback periods are based on data provided by Good Practice Guides and Carbon Trust energy survey reports and are average figures calculated using a simple payback method. It is assumed that the source data is correct and accurate using up to date information.

The figures have been calculated as an average across a range of buildings and may differ from the actual payback period for the building being assessed. Therefore, it is recommended that each suggested measure be further investigated before reaching any decision on how to improve the energy efficiency of the building.

### **b) Carbon impact**

The High / Medium / Low carbon impact indicators against each recommendation are provided to distinguish, between the suggested recommendations, those that would have most impact on carbon emissions from the building. For automatically generated recommendations, the carbon impact indicators are determined by software, but may have been adjusted by the Energy Assessor based on his / her knowledge of the building. The impact of other recommendations are determined by the assessor.

### **c) Valid report**

A valid report is a report that has been:

- Produced within the past 10 years
- Produced by an Energy Assessor who is accredited to produce Recommendation Reports through a Government Approved Accreditation Scheme
- Lodged on the Register operated by or on behalf of the Secretary of State.

# SBEM Main Calculation Output Document

Tue Jul 26 19:19:38 2011

v4.1.c.2

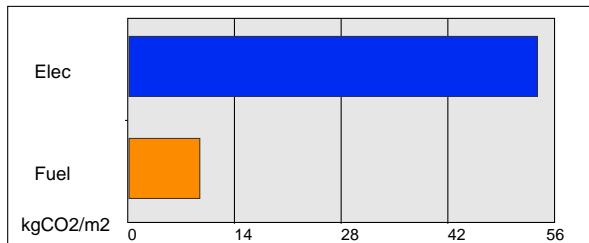
Building name

## Eastwood House

Building type: B1 Offices and Workshop businesses

SBEM is an energy calculation tool for the purpose of assessing and demonstrating compliance with Building Regulations (Part L for England and Wales, Section 6 for Scotland, Part F for Northern Ireland, Part L for Republic of Ireland and Building Bye-laws Jersey Part 11) and to produce Energy Performance Certificates and Building Energy Ratings. Although the data produced by the tool may be of use in the design process, **SBEM is not intended as a building design tool.**

### Building Energy Performance and CO2 emissions

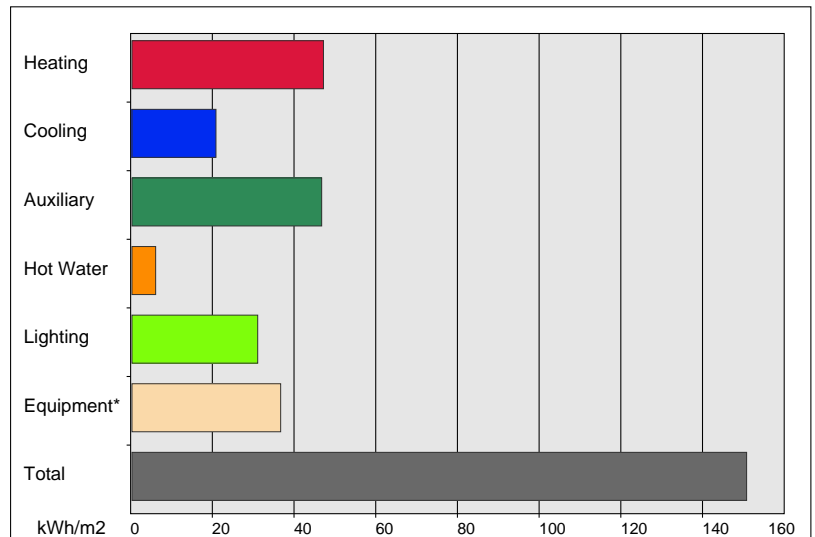
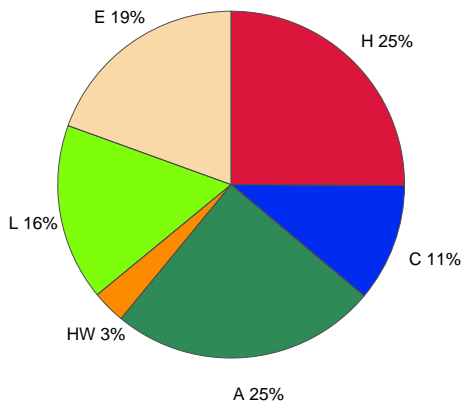


0 kgCO2/m2 displaced by the use of renewable sources.

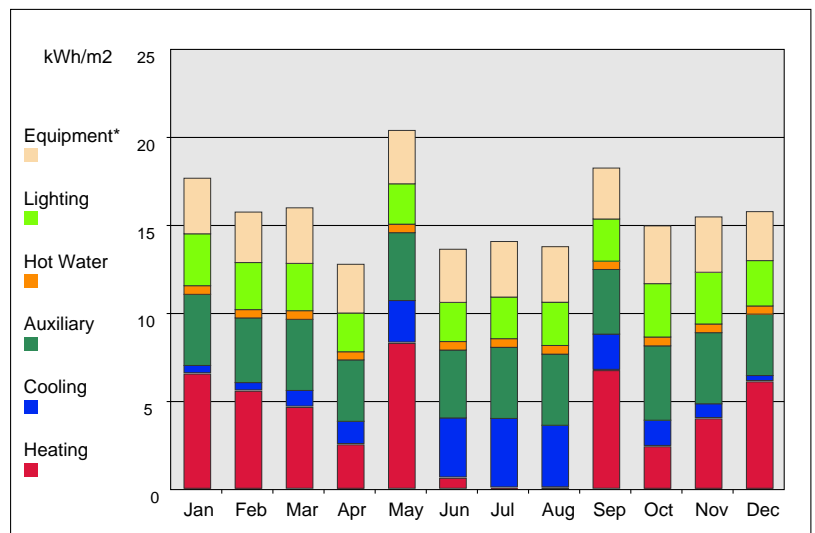
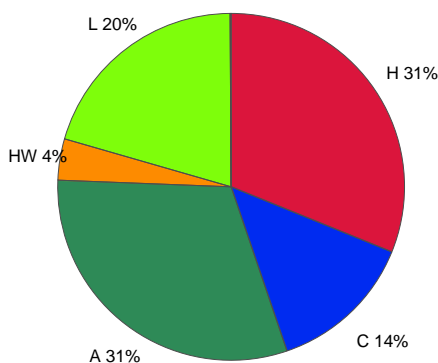
Building area is 13554 m2

### Annual Energy Consumption

(Pie chart including Equipment end-use)

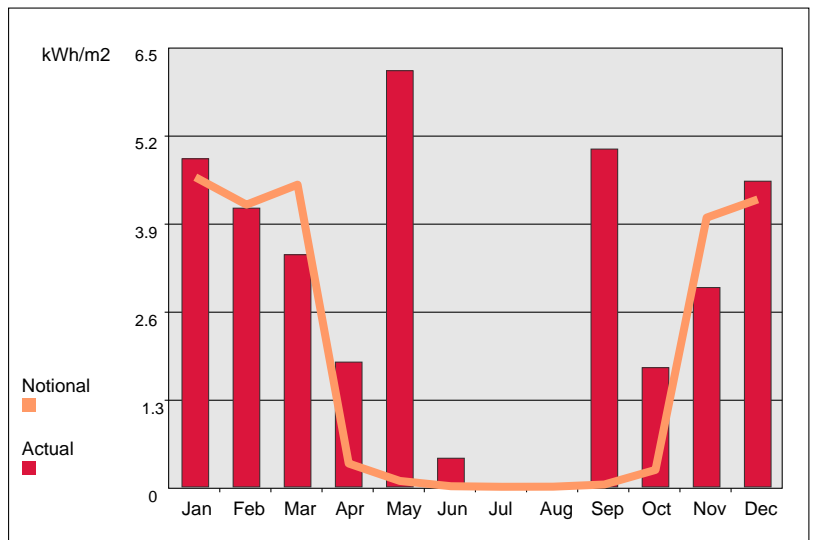
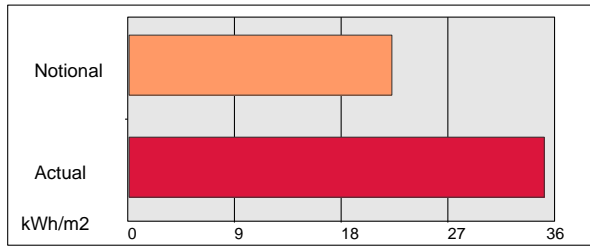


(Pie chart excluding Equipment end-use)



(\*) Although energy consumption by equipment is shown in the graphs, the CO2 emissions associated with this end-use have not been taken into account when producing the rating.

## Annual Heating Demand



## Annual Cooling Demand

