

Energy Performance Certificate

Non-Domestic Building



SUITE 2
123 High Street
EPSOM
KT19 8AU

Certificate Reference Number:
9888-3037-0122-0301-2295

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.

Energy Performance Asset Rating

More energy efficient



Net zero CO₂ emissions

A 0-25

B 26-50

C 51-75

D 76-100

E 101-125

F 126-150

G Over 150

◀ **66**

This is how energy efficient the building is.

Less energy efficient

Technical information

Main heating fuel:	Grid Supplied Electricity
Building environment:	Mixed-mode with Natural Ventilation
Total useful floor area (m ²):	258
Building complexity (NOS level):	4
Building emission rate (kgCO ₂ /m ²):	47.67

Benchmarks

Buildings similar to this one could have ratings as follows:

28 If newly built

76 If typical of the existing stock

Administrative information

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

Assessment Software:	iSBEM v4.1.d using calculation engine SBEM v4.1.d.0
Property Reference:	882123380001
Assessor Name:	Nicholas Grant
Assessor Number:	BREC500017
Accreditation Scheme:	Bre
Employer/Trading Name:	Grant Associates Ltd
Employer/Trading Address:	20, Solent Road, London, NW6 1TU
Issue Date:	21 Mar 2012
Valid Until:	20 Mar 2022 (unless superseded by a later certificate)
Related Party Disclosure:	Not related to the owner
Recommendations for improving the property are contained in Report Reference Number: 0281-0342-8129-8397-2006	

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, 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 or call us on **0800 085 2005**

Recommendation Report



Report Reference Number: 0281-0342-8129-8397-2006

SUITE 2
123 High Street
EPSOM
KT19 8AU

Building Type(s): B1 Offices and Workshop businesses

ADMINISTRATIVE INFORMATION	
Issue Date:	21 Mar 2012
Valid Until:	20 Mar 2022 (*)
Total Useful Floor Area (m ²):	258
Calculation Tool Used:	iSBEM v4.1.d using calculation engine SBEM v4.1.d.0
Property Reference:	882123380001
Energy Performance Certificate for the property is contained in Report Reference Number: 9888-3037-0122-0301-2295	

ENERGY ASSESSOR DETAILS	
Assessor Name:	Nicholas Grant
Employer/Trading Name:	Grant Associates Ltd
Employer/Trading Address:	20, Solent Road, London, NW6 1TU
Assessor Number:	BREC500017
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 ²):	258
Building Environment:	Mixed-mode with Natural 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.d using calculation engine SBEM v4.1.d.0 .

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:

No recommendations of short term payback have been identified

b) Recommendations with a medium payback

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

No recommendations of medium term payback have been identified

c) Recommendations with a long payback

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

Recommendation	Potential impact
Consider installing building mounted wind turbine(s).	LOW
Consider installing solar water heating.	LOW
Some windows have high U-values - consider installing secondary glazing.	MEDIUM
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	MEDIUM
Consider installing PV.	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) 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, 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

Wed Mar 21 08:11:46 2012

v4.1.d.0

Building name

Suite 2

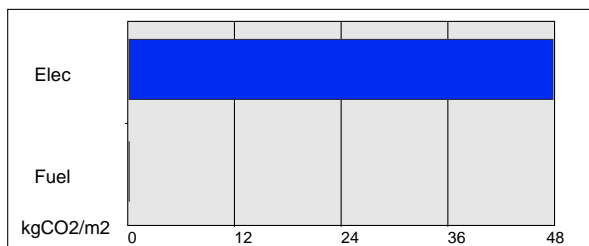
Building type: B1 Offices and Workshop businesses

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

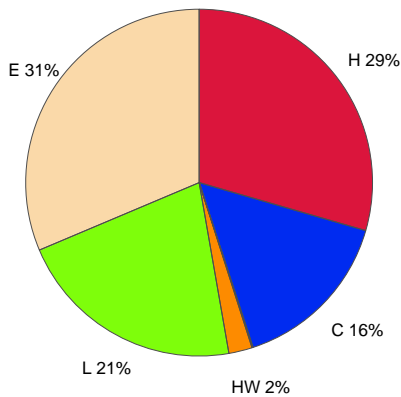
0 kgCO2/m2 displaced by the use of renewable sources.

Building area is 258 m2

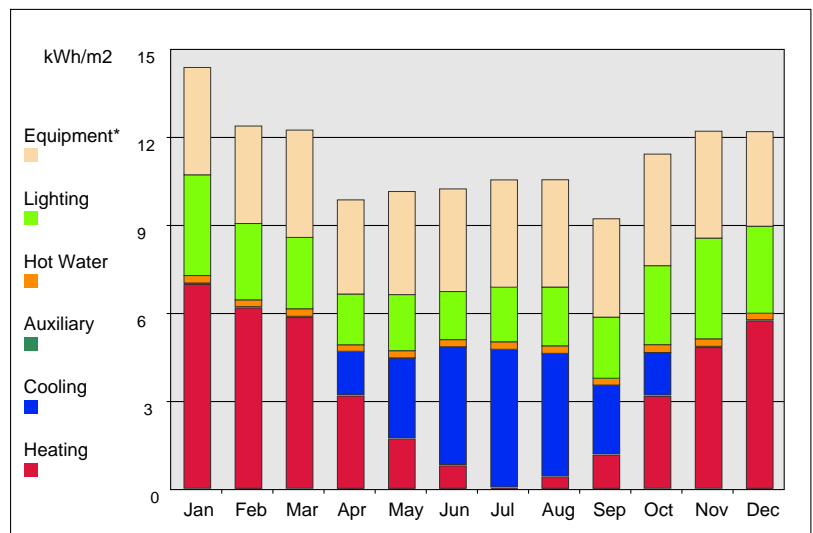
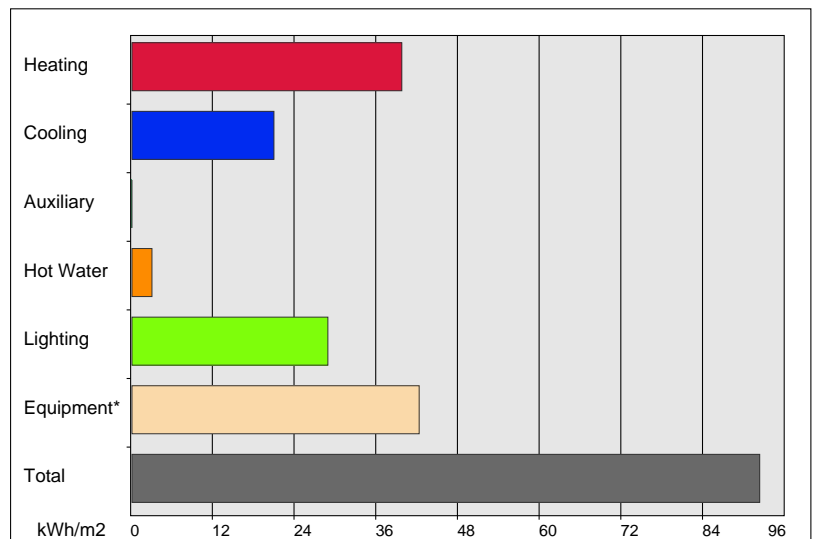
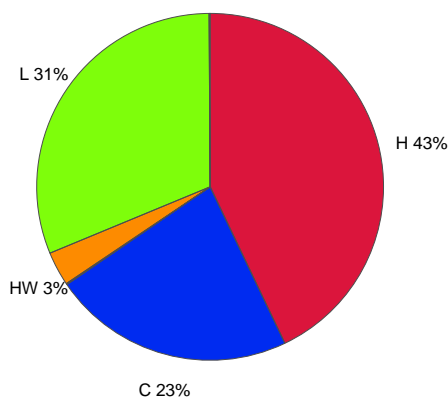


Annual Energy Consumption

(Pie chart including Equipment end-use)

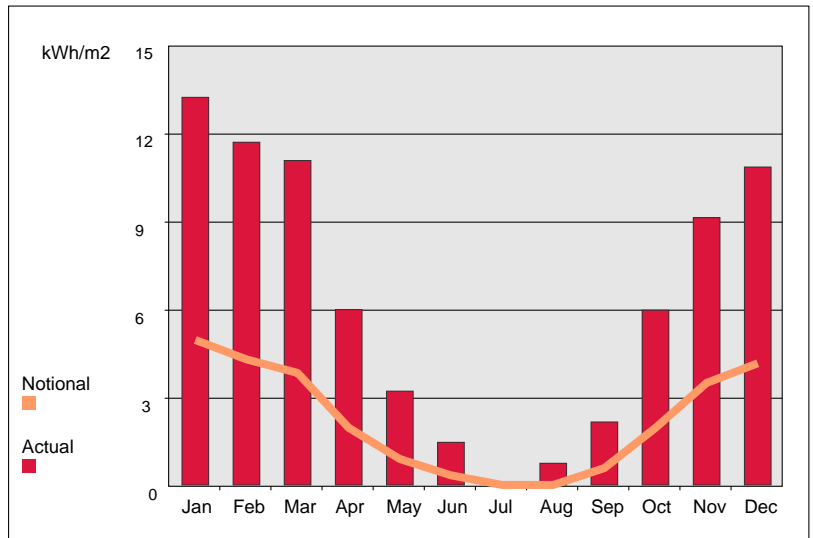
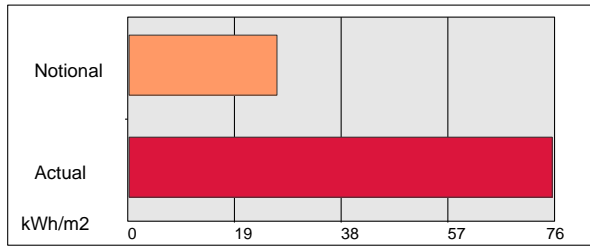


(Pie chart excluding Equipment end-use)



(*) 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

