



# VITAL

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

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## ENERGY PERFORMANCE CERTIFICATE

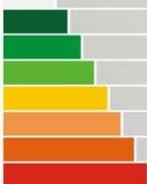
51 Church Street  
STAINES-UPON-THAMES  
TW18 4EN

20 February 2013

### UK-wide services

- Energy Performance Certificates
- Land Registry Plans
- Air-conditioning Inspections
- Energy Efficiency Upgrades
- Asbestos Surveys
- Vacant Building Alarms
- Fire Risk Assessments
- Facilities Management

**We keep buildings safe, secure & sustainable**



# Energy Performance Certificate

Non-Domestic Building



51 Church Street  
STAINES-UPON-THAMES  
TW18 4EN

Certificate Reference Number:  
0070-0537-2729-3522-1006

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

A+

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

A 0-25

B 26-50

C 51-75

D 76-100

◀ 94

This is how energy efficient the building is.

E 101-125

F 126-150

G Over 150

Less energy efficient

## Technical Information

Main heating fuel: Grid Supplied Electricity  
Building environment: Heating and Natural Ventilation  
Total useful floor area (m<sup>2</sup>): 50  
Building complexity (NOS level): 3  
Building emission rate (kgCO<sub>2</sub>/m<sup>2</sup>): 142.36

## Benchmarks

Buildings similar to this one could have ratings as follows:

33 If newly built

87 If typical of the existing stock

## Green Deal Information

The Green Deal will be available from later this year. To find out more about how the Green Deal can make your property cheaper to run, please call 0300 123 1234.

## Administrative Information

This is an Energy Performance Certificate as defined in SI 2007:991 as amended.

**Assessment Software:** iSBEM v4.1.d using calculation engine SBEM v4.1.d.0

**Property Reference:** 732715520000

**Assessor Name:** Graham Hill

**Assessor Number:** BREC400173

**Accreditation Scheme:** Bre

**Employer/Trading Name:** grh energy assessors

**Employer/Trading Address:** 100 Swaledale, Bracknell, Berks, RG12 7EU

**Issue Date:** 20 Feb 2013

**Valid Until:** 19 Feb 2023 (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: 0220-7971-0427-2050-5030**

## 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 Department'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.

## Opportunity to benefit from a Green Deal on this property

The Green Deal can help you cut your energy bills by making energy efficiency improvements at no upfront costs. Use the Green Deal to find trusted advisors who will come to your property, recommend measures that are right for you and help you access a range of accredited installers. Responsibility for repayments stays with the property – whoever pays the energy bills benefits so they are responsible for the payments.

To find out how you could use Green Deal finance to improve your property please call 0300 123 1234.

# Recommendation Report

**Report Reference Number: 0220-7971-0427-2050-5030**

51 Church Street  
STAINES-UPON-THAMES  
TW18 4EN

Building Type(s): A1/A2 Retail and Financial/Professional services

<b>ADMINISTRATIVE INFORMATION</b>	
Issue Date:	20 Feb 2013
Valid Until:	19 Feb 2023 (*)
Total Useful Floor Area (m <sup>2</sup> ):	50
Calculation Tool Used:	CLG, iSBEM, v4.1.d, SBEM, v4.1.d.0
Property Reference:	732715520000
Energy Performance Certificate for the property is contained in Report Reference Number: 0070-0537-2729-3522-1006	

<b>ENERGY ASSESSOR DETAILS</b>	
Assessor Name:	Graham Hill
Employer/Trading Name:	grh energy assessors
Employer/Trading Address:	100 Swaledale, Bracknell, Berks, RG12 7EU
Assessor Number:	BREC400173
Accreditation Scheme:	Bre
Related party disclosure:	

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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> ):	50
Building Environment:	Heating and Natural Ventilation

## 2. Introduction

This Recommendation Report was produced in line with the Government's approved methodology and is based on calculation tool CLG, iSBEM, v4.1.d, 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:

<b>Recommendation</b>	<b>Potential impact</b>
Consider replacing T8 lamps with retrofit T5 conversion kit.	HIGH
Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.	LOW

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

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

No recommendations were specified by the energy assessor.

#### ***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.	LOW
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	LOW
Some glazing is poorly insulated. Replace/improve glazing and/or frames.	LOW
Consider installing an air source heat pump.	MEDIUM
Consider installing a ground source heat pump.	MEDIUM

**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.

<b>Recommendation</b>	<b>Potential impact</b>
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.	HIGH

## 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 recommendations 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 most effectively reduce 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.

## **6. Green Deal Information**

When the Green Deal launches, it may enable you to improve the property to make it more energy efficient and cheaper to run, without having to pay for the work upfront.

# SBEM Main Calculation Output Document

Wed Feb 20 14:33:07 2013

v4.1.d.0

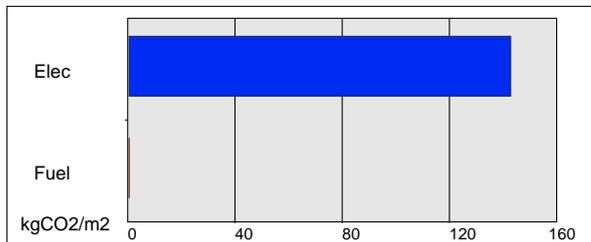
Building name

## 51 Church Street

Building type: A1/A2 Retail and Financial/Professional services

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

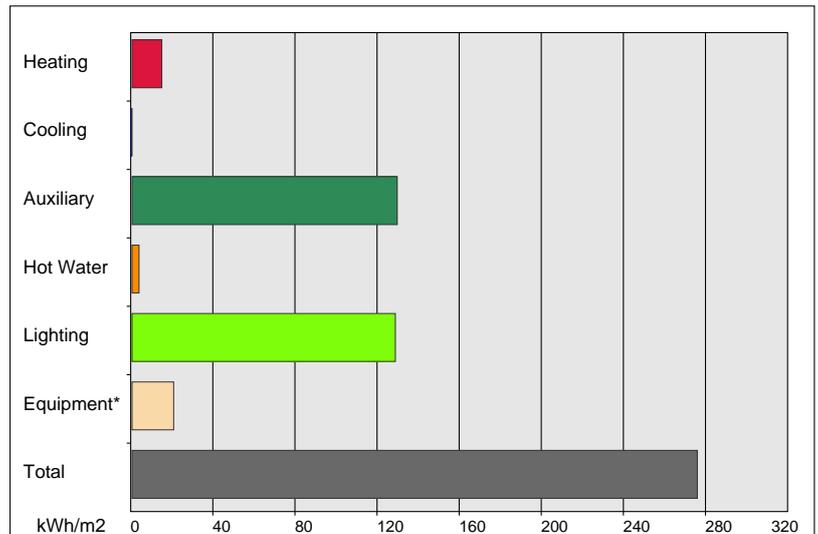
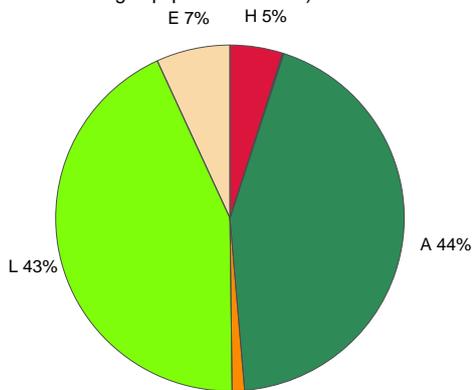


0 kgCO2/m2 displaced by the use of renewable sources.

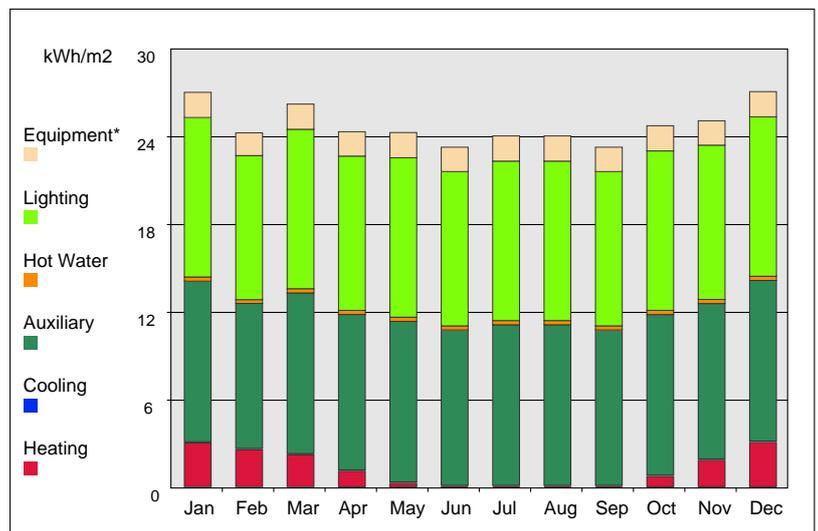
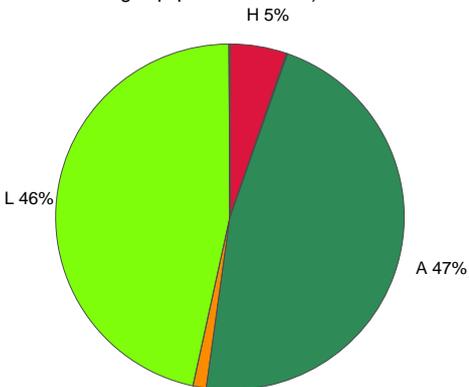
Building area is 50.1 m2

### Annual Energy Consumption

(Pie chart including Equipment end-use)

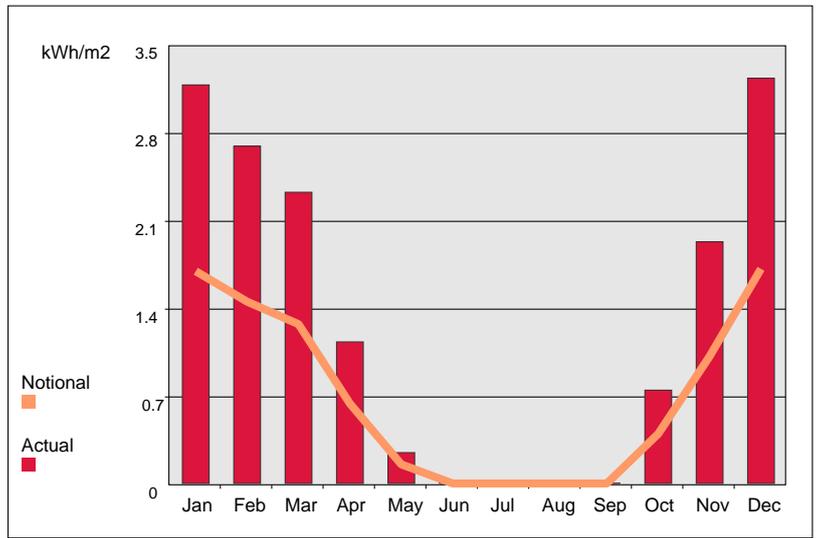
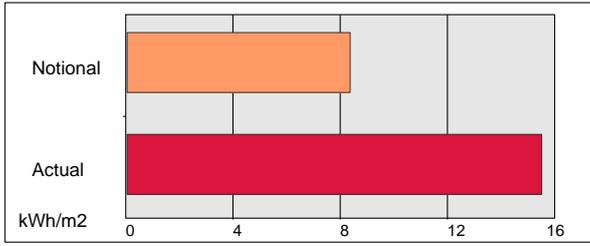


(Pie chart excluding Equipment end-use)



(\*) 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

