VITAL

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

T 0345 111 7700 W vitaldirect.co.uk

ENERGY PERFORMANCE CERTIFICATE

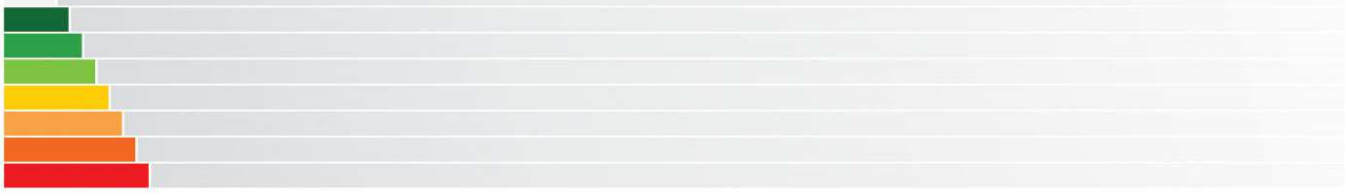
32 Bell Street
Henley
RG9 2BH

4th March 2019

UK-wide services

- Energy Performance Certificates
- Air-conditioning Inspections
- Fire Risk Assessments
- Land Registry Plans
- Energy Efficiency Upgrades
- Facilities Management
- EPC Plus Upgrade Reports

We keep buildings safe, secure & sustainable



Energy Performance Certificate

Non-Domestic Building

HM Government

32 Bell Street
HENLEY-ON-THAMES
RG9 2BH

Certificate Reference Number:
0220-7949-0311-6860-9004

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 in the guidance document *Energy Performance Certificates for the construction, sale and let of non-dwellings* available on the Government's website at www.gov.uk/government/collections/energy-performance-certificates.

Energy Performance Asset Rating

More energy efficient

A+

Net zero CO_2 emissions

A 0-25

B 26-50

C 51-75

D 76-100

82 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:	Natural Gas
Building environment:	Heating and Natural Ventilation
Total useful floor area (m^2):	678
Assessment Level:	4
Building emission rate ($kgCO_2/m^2$ per year):	48.06
Primary energy use (kWh/m^2 per year):	280.07

Benchmarks

Buildings similar to this one could have ratings as follows:

27 If newly built

80 If typical of the existing stock

Administrative Information

This is an Energy Performance Certificate as defined in the Energy Performance of Buildings Regulations 2012 as amended.

Assessment Software:	iSBEM v5.6.a using calculation engine SBEM v5.6.a.1
Property Reference:	701499660000
Assessor Name:	Steve Elphick
Assessor Number:	LCEA000425
Accreditation Scheme:	CIBSE Certification Limited
Employer/Trading Name:	Steve Elphick Associates
Employer/Trading Address:	No 1 The Stangate Mansion, Strawberry Hill, Twickenham, TW1 4PW
Issue Date:	04 Mar 2019
Valid Until:	03 Mar 2029 (unless superseded by a later certificate)
Related Party Disclosure:	Not related to the owner.

Recommendations for improving the energy performance of the building are contained in the associated Recommendation Report - 9760-4062-0411-0900-8925.

About this document and the data in it

This document has been produced following an energy assessment undertaken by a qualified Energy Assessor, accredited by CIBSE Certification Limited. You can obtain contact details of the Accreditation Scheme at cibsecertification.com.

A copy of this certificate has been lodged on a national register as a requirement under the Energy Performance of Buildings Regulations 2012 as amended. It will be made available via the online search function at www.ndepcregister.com. The certificate (including the building address) and other data about the building collected during the energy assessment but not shown on the certificate, for instance heating system data, will be made publicly available at www.opendatacommunities.org.

This certificate and other data about the building may be shared with other bodies (including government departments and enforcement agencies) for research, statistical and enforcement purposes. Any personal data it contains will be processed in accordance with the General Data Protection Regulation and all applicable laws and regulations relating to the processing of personal data and privacy. For further information about this and how data about the property are used, please visit www.ndepcregister.com. To opt out of having information about your building made publicly available, please visit www.ndepcregister.com/optout.

There is more information in the guidance document *Energy Performance Certificates for the construction, sale and let of non-dwellings* available on the Government website at: www.gov.uk/government/collections/energy-performance-certificates. It explains the content and use of this document, advises on how to identify the authenticity of a certificate and how to make 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

HM Government

This report is associated with an Energy Performance Certificate.

Report Reference Number: 9760-4062-0411-0900-8925

32 Bell Street
HENLEY-ON-THAMES
RG9 2BH

Building Type(s): B1 Offices and Workshop businesses

ADMINISTRATIVE INFORMATION	
Issue Date:	04 Mar 2019
Valid Until:	03 Mar 2029 (*)
Total Useful Floor Area (m²):	678
Building Environment:	Heating and Natural Ventilation
Calculation Tool Used:	CLG, iSBEM, v5.6.a, SBEM, v5.6.a.1
Property Reference:	701499660000
Energy Performance Certificate for the property is contained in Report Reference Number: 0220-7949-0311-6860-9004	

ENERGY ASSESSOR DETAILS	
Assessor Name:	Steve Elphick
Employer/Trading Name:	Steve Elphick Associates
Employer/Trading Address:	No 1 The Stangate Mansion, Strawberry Hill, Twickenham, TW1 4PW
Assessor Number:	LCEA000425
Accreditation Scheme:	CIBSE Certification Limited
Related Party Disclosure:	Not related to the owner.

(*) Unless superseded by a later recommendation report

Table of Contents

1. Introduction..... 3
2. Recommendations..... 4
3. Next Steps..... 6
4. Glossary..... 8
5. Green Deal Information..... 9

1. Introduction

This is a Recommendation Report as defined in the Energy Performance of Buildings (England and Wales) Regulations 2012 as amended which implements the requirements of the Energy Performance of Building Directive 2010/31/EU. This Recommendation Report accompanies the relevant Non Domestic Energy Performance Certificate.

This Recommendation Report was developed based on an inspection of the building. This Recommendation Report was produced in line with the Government's approved methodology.

In accordance with Government's current guidance, the Energy Assessor is required to use plans or undertake a building inspection in order to gather information to produce this Recommendation Report.

2. 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:

Recommendation	**Potential impact**
Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.	LOW
Consider replacing T8 lamps with retrofit T5 conversion kit.	HIGH
In some spaces, the solar gain limit defined in the NCM is exceeded, which might cause overheating. Consider solar control measures such as the application of reflective coating or shading devices to windows.	MEDIUM

b) Recommendations with a medium payback

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

Recommendation	**Potential impact**
Add optimum start/stop to the heating system.	MEDIUM

c) Recommendations with a long payback

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

Recommendation	Potential impact
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
Some walls have uninsulated cavities - introduce cavity wall insulation.	MEDIUM
Some windows have high U-values - consider installing secondary glazing.	MEDIUM
Add weather compensation controls to heating system.	MEDIUM
Some loft spaces are poorly insulated - install/improve insulation.	MEDIUM

d) Other Recommendations

This section lists other recommendations selected by the energy assessor, based on an energy performance assessment of the building. It may take into account other reliable relevant evidence that has been provided by the building owner or occupier.

No recommendations are defined by the energy assessor.

3. Next Steps

a) Your Recommendation Report

As the building occupier, it is a regulatory requirement that an Energy Performance Certificate must include a Recommendation Report unless there is no reasonable potential for energy performance improvements compared to the energy performance requirements in force.

You must be able to produce a copy of this Recommendation Report within seven days if required by an Enforcement Authority.

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 through the Non-Domestic Register (www.ndepcregister.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 generated a set of recommendations. The Energy Assessor, in the light of the energy assessment of the building, the building fabric and services, the operation of plant and equipment within the curtilage of the building, the general management of the building and its use, and other relevant reliable evidence, may remove some of the recommendations. He / She may insert additional recommendations in section 3d (Other 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) About this document and the data in it

This document has been produced following an energy assessment undertaken by a qualified Energy Assessor, accredited by CIBSE Certification Limited. You can obtain contact details of the Accreditation Scheme at cibsecertification.com.

A copy of this report has been lodged on a national register as a requirement under the Energy Performance of Buildings Regulations 2012 as amended. It will be made available via the online search function at www.ndepcregister.com. The report (including the building address) and other data about the building collected during the energy assessment but not shown on the report, for instance heating system data, will be made publicly available at www.opendatacommunities.org.

This report and other data about the building may be shared with other bodies (including government departments and enforcement agencies) for research, statistical and enforcement purposes. Any personal data it contains will be processed in accordance with the General Data Protection Regulation and all applicable laws and regulations relating to the processing of personal data and privacy. For further information about this and how data about the property are used, please visit www.ndepcregister.com. To opt out of having information about your building made publicly available, please visit www.ndepcregister.com/optout.

There is more information in the guidance document *Energy Performance Certificates for the construction, sale and let of non-dwellings* available on the Government website at:
www.gov.uk/government/collections/energy-performance-certificates. It explains the content and use of this document, advises on how to identify the authenticity of a report and how to make a complaint.

4. Glossary

a) Payback

The payback periods are based on data collated through Carbon Trust energy survey reports. They provide a range of typical payback periods for different types of measures. They are likely payback periods, 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 the energy assessment of the building.

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.

5. Green Deal Information

The Green Deal may enable you to improve the property to make it more energy efficient and cheaper to run.

SBEM Main Calculation Output Document

Mon Mar 04 18:23:23 2019 v5.6.a.1

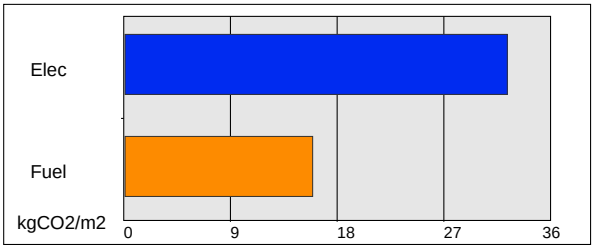
Building name

2733 - EPC - 5.6a - 32 Bell St

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, 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

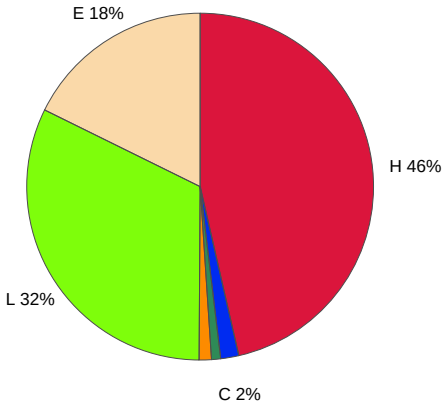


0 kgCO2/m2 displaced by the use of renewable sources.

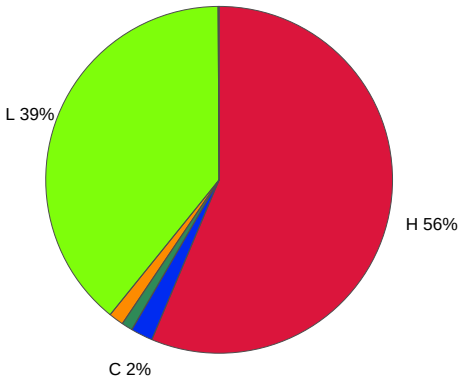
Building area is 677.85 m2

Annual Energy Consumption

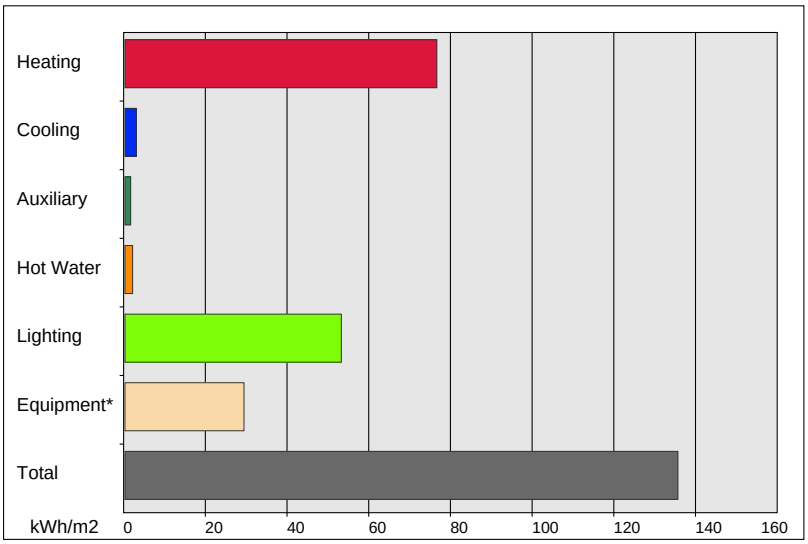
(Pie chart including Equipment end-use)

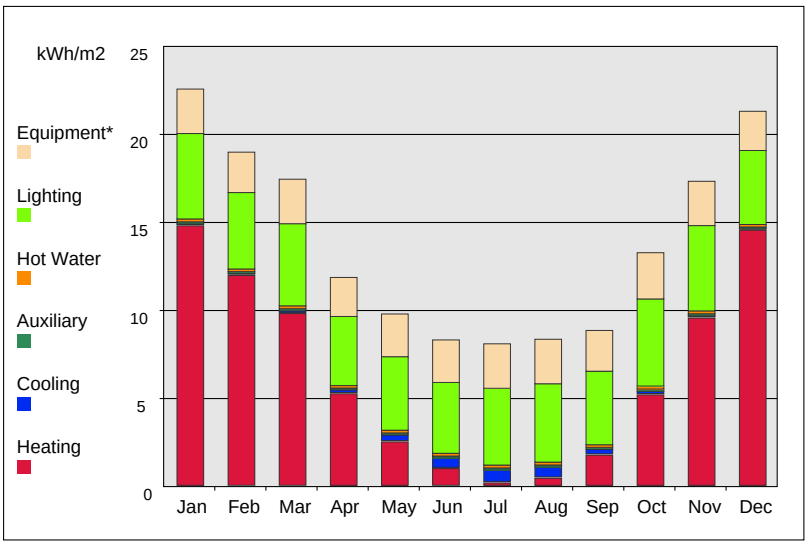


(Pie chart excluding Equipment end-use)

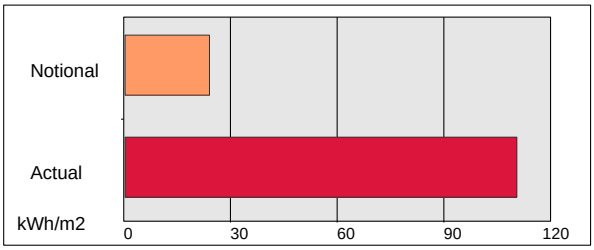


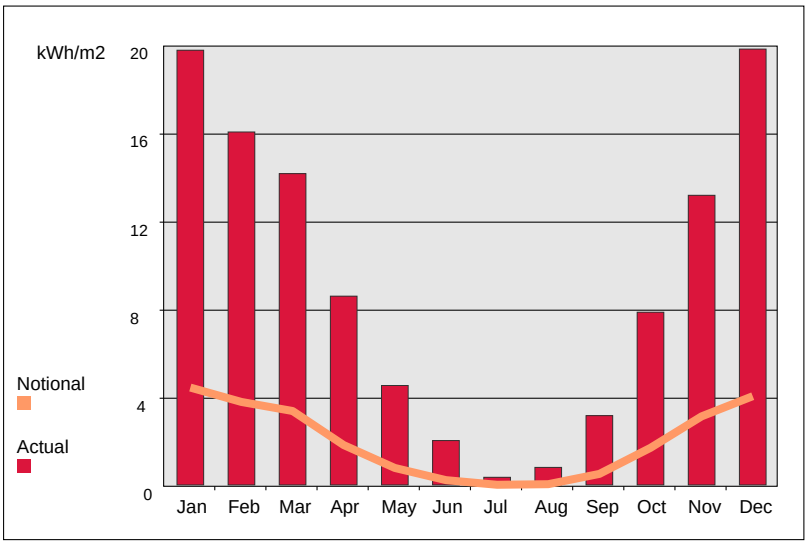
(*) Although energy consumption by equipment is shown in the graphs for information, this end-use has not been included in the total results of the building or the calculation of the ratings.





Annual Heating Demand





Annual Cooling Demand

