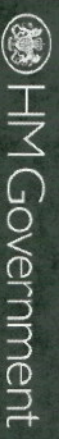


# Energy Performance Certificate

## Non-Domestic Building



Helmont House  
Churchill Way  
CARDIFF  
CF10 2NB

Certificate Reference Number:  
0180-0630-5919-4926-6006

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** 0-25

**B** 26-50

**C** 51-75

**D** 76-100

**E** 101-125

**F** 126-150

**G** Over 150

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

74

This is how energy efficient the building is.

Less energy efficient

### Technical information

Main heating fuel: Natural Gas  
Building environment: Air Conditioning  
Total useful floor area (m<sup>2</sup>): 6266  
Building complexity (NOS level): 4  
Building emission rate (kgCO<sub>2</sub>/m<sup>2</sup>): 37.76

### Benchmarks

Buildings similar to this one could have ratings as follows:

69

If newly built

129

If typical of the existing stock

## Administrative information

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

Assessment Software: TAS v9.1.4 using calculation engine TAS v9.1.4

Property Reference: 841966950000

Assessor Name: Jonathan Lee Hollett

Assessor Number: LCEA048105

Accreditation Scheme: CIBSE Certification Ltd

Employer/Trading Name: McCann & Partners

Employer/Trading Address: Faraday House, Terra Nova Way, Penarth Marina, Cardiff.

Issue Date: 29 Jun 2010

Valid Until: 28 Jun 2020 (unless superseded by a later certificate)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: 0260-8996-0410-5190-6040

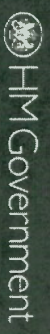
**If you have a complaint or wish to confirm that the certificate is genuine**

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: 0260-8996-0410-5190-6040**

Helmont House  
Churchill Way  
CARDIFF  
CF10 2NB

Building Type(s): Office

## ADMINISTRATIVE INFORMATION

Issue Date:	29 Jun 2010
Valid Until:	28 Jun 2020 (*)
Total Useful Floor Area (m <sup>2</sup> ):	6266
Calculation Tool Used:	TAS v9.1.4 using calculation engine TAS v9.1.4
Property Reference:	841966950000

Energy Performance Certificate for the property is contained in Report Reference Number: 0180-0630-5919-4926-6006

## ENERGY ASSESSOR DETAILS

Assessor Name:	Jonathan Lee Hollett
Employer/Trading Name:	McCann & Partners
Employer/Trading Address:	Faraday House, Terra Nova Way, Penarth Marina, Cardiff.
Assessor Number:	LCEA048105
Accreditation scheme:	CIBSE Certification Ltd
Related Party Disclosure:	Not related to the owner

(\*) Unless superseded by a later recommendation report

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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> ):	6266
Building Environment:	Air Conditioning

## 2. Introduction

This Recommendation Report was produced in line with the Government's approved methodology and is based on calculation tool TAS v9.1.4 using calculation engine TAS v9.1.4.

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:

Recommendation	Potential impact
Chiller efficiency is low. Consider upgrading chiller plant.	LOW

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

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

Recommendation	Potential impact
Consider switching from gas to biomass.	LOW

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

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

Recommendation	Potential impact
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	LOW
Consider installing building mounted wind turbine(s).	LOW
Consider installing solar water heating.	LOW
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](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.