

Recommendation Report Northern Ireland

Report Reference Number: 0499-0564-1540-9700-8203

Lynden Gate
50 Knockbreda Road
BELFAST
BT6 0JB

Building Type(s): B1 Offices and Workshop businesses

ADMINISTRATIVE INFORMATION	
Issue Date:	05 Jun 2012
Valid Until:	04 Jun 2022 (*)
Total Useful Floor Area (m ²):	242
Building Environment:	Heating and Natural Ventilation
Calculation Tool Used:	CLG, iSBEM, v4.1.d, SBEM, v4.1.d.0
Property Reference	891745540000
Energy Performance Certificate for the property is contained in Report Reference Number: 0980-0532-4719-9506-4002	

ENERGY ASSESSOR DETAILS	
Assessor Name:	Shane McKenna
Employer/Trading Name:	Ember Energy NI
Employer/Trading Address:	8 The Mount, Belfast BT5 4NA
Assessor Number:	ECMK280009
Accreditation Scheme:	ECMK
Related Party Disclosure:	Not related to the owner.

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1. Introduction

This is a Recommendation Report as defined in the Energy Performance of Buildings (Certificates and Inspections) Regulations (Northern Ireland) 2008 (as amended) which transposes 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.	MEDIUM
Add optimum start/stop to the heating system.	MEDIUM
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

b) Recommendations with a medium payback

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

Recommendation	Potential Impact
Some windows have high U-values - consider installing secondary glazing.	MEDIUM
Add weather compensation controls to heating system.	MEDIUM
Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.	MEDIUM

c) Recommendations with a long payback

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

Recommendation	Potential Impact
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
Some glazing is poorly insulated. Replace/improve glazing and/or frames.	MEDIUM
Install more efficient water heater.	LOW
Consider installing building mounted wind turbine(s).	LOW
Consider replacing HWS with point of use system.	LOW

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 defined by the energy assessor have been identified.

3. Next Steps

a) Your Recommendation Report

As the relevant person (regulation 2), regulation 7 of SR 2008 No.170 (as amended) requires that an Energy Performance Certificate "*shall 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 authorised officer of an Enforcement Authority under regulation 32 of SR 2008 No.170 (as amended).

This Recommendation Report has also been lodged on the Department's approved 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-Domestic Register (www.niepcregister.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) 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.finance-ni.gov.uk , together with details of their procedures for confirming authenticity of a certificate and for making 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 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 the Accreditation Scheme approved by the Department
- Lodged on the Register operated by or on behalf of the Department.