

Advisory Report

Report Reference Number: 0282-2054-0614-0100-3095

Building Occupier

Woking Borough Council

Address

Woking Pool and Leisure
Complex
Kingfield Road
WOKING
GU22 9BA

Building Type(s):

ADMINISTRATIVE INFORMATION	
Issue Date:	27/02/2009
Valid Until:	17/04/2010
Total Useful Floor Area (m ²):	12122
Assessment Software:	ORCALC V1-05-02
Property Reference:	224601580000
Type of inspection:	Physical

ENERGY ASSESSOR DETAILS	
Assessor Name:	Lucy McKenzie
Employer/Trading Name:	Energy Centre for Sustainable Communities Ltd (ecsc)
Employer/Trading Address:	Unit 327 30 Great Guildford Street London SE1 0HS
Assessor Number:	LCEA124570
Accreditation scheme:	CIBSE Certification Limited

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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 an Advisory 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):	12122
Building Description:	Both buildings constructed in 1970s, extension to pool complex in late 80s.
Building Environment:	Mixed-mode with Mechanical Ventilation
On-site renewable energy sources:	Type1: Solar PV, 4427 kWh;
Separable energy uses discounted:	Not applicable

Fuel Types:	Quantity used (kWh)
Other	4988183
District Heating	3410000
Natural Gas	1674235

2. Introduction

This Advisory Report was produced in line with the Government's approved methodology and is based on assessment software ORCALC V1-05-02. This advisory report was developed based on a physical visit of the building.

In accordance with Government's current guidance, the Energy Assessor did undertake a walk around survey of the building on prior to producing this Advisory 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
It is recommended that energy management techniques are be introduced. These could include efforts to gain building users commitment to save energy, allocating responsibility for energy to a specific person (champion), setting targets and monitoring.	MEDIUM
Engage experts to review overall air conditioning strategy and propose an investment programme for upgrading and/or switching to alternative solutions.	MEDIUM
Consider fitting covers to the swimming pool and utilise whenever possible.	LOW
Consider with chefs and kitchens managers implementing an energy efficiency plan including maintenance and servicing provisions and operational targets, monitoring and incentives.	LOW

b) Recommendations with a medium payback

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

Recommendation	Potential impact
Consider implementing regular inspections of the building fabric to check on the condition of insulation and sealing measures and removal of accidental ventilation paths.	MEDIUM
Engage experts to propose specific measures to reduce hot water wastage and plan to carry this out.	MEDIUM

c) Recommendations with a long payback

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

Recommendation	Potential impact
Engage experts to review overall heating strategy and propose an investment programme for upgrading and/or switching to alternative solutions.	MEDIUM

Engage experts to review overall heating strategy and propose an investment programme for upgrading and/or switching to alternative solutions.	MEDIUM
Engage experts to review overall ventilation strategy and propose an investment programme for upgrading and/or switching to alternative solutions to improve effectiveness and energy efficiency.	HIGH
Engage experts to review the building lighting strategies and propose alterations and/or upgrades to daylighting provisions, luminaries and their control systems and an implementation plan.	HIGH

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.

Recommendation	Potential impact
Install energy meters in each building to identify gas and grid electricity used by each building	LOW
Include energy efficiency plan in contract renewal with the catering company in the Leisure Centre and Pool in the Park	LOW
Ensure the CHP engines are maintained and serviced on an annual basis	MEDIUM
Ensure the pumps are maintained and serviced on an annual basis	LOW
Flush pipes and treat the water with softener to ensure sufficient flow within the pipes is maintained	LOW
Ensure the Fuel Cell is maintained and serviced on an annual basis	LOW

4. Next Steps

a) Your Advisory Report

As the building occupier, regulation 16(2)(a) of SI 2007/991 requires that you have in your '*possession or control at all times a valid advisory report*'. Regulation 16(4) specifies that '*an advisory report is valid for a period of seven years beginning with the date it is issued*'.

You must be able to produce a copy of this Advisory Report within seven days if requested by an Enforcement Authority under regulation 39 of SI 2007/991.

This Advisory 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.

You must commission a new Advisory Report in seven years from the date this Advisory Report is issued. However, a new Advisory Report may be commissioned earlier.

b) Implementing recommendations

The recommendations provided within this Advisory Report have been selected by the accredited assessor from a central list of recommendations, based on his / her knowledge of the building fabric, building services, the operation of plant and equipment within the curtilage of the building, and the general management of the building.

The accredited assessor may have inserted additional measures in section 3d (Other Recommendations). The recommendations are provided as an indication of opportunities that appear to exist to improve the buildings energy efficiency.

c) Legal disclaimer

The advice provided in this Advisory Report is intended to be for information only. Recipients of this Advisory 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 display energy 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 report 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. The carbon impact indicators are determined by the assessor based his / her knowledge of the building. In most instances, the carbon impact has not been calculated accurately.

c) Valid report

A valid existing report is defined at the Energy Assessor's discretion.