

## **Appendix A**

### **Background to the study**

#### **Introduction**

Following wide consultation involving all UK higher education institutions during July 1994, energy management was flagged by the HE sector as one of a number of subject areas of management concern to institutions. Subsequently energy management was the subject of the first of a series of studies to be undertaken as part of the HEFCE's Value for Money (VfM) initiative.

The energy management value for money study was undertaken in 1996. Some institutions reviewed had been actively committed to energy management for a number of years prior to the start of the study; this was identified by their ongoing investment of resources in energy management. For other institutions, the study highlighted that significant benefits were to be gained from implementing a range of energy saving measures. The study stressed that if the management of energy was not seriously considered by these institutions there was a risk that it would remain largely a technical issue rather than a management concern.

Since the original study in 1996, further study surveys have been undertaken regarding energy management in the HE sector. Between 1998 and 2000, the European Commission funded a study titled 'Barriers to Energy Efficiency in the UK Higher Education Sector'. It identified a number of barriers within the HE sector and the key policy initiatives available to improve the position. In 1999-2000 and 2001-02, two other surveys were undertaken by the UK funding bodies to evaluate the success of the 1996 study. The findings of all three study surveys are outlined in 'Utilities management in the HE sector', section 1 of the main text.

#### **Aim and objectives of the study**

The aim of the study was to undertake a review of the actions implemented by HE institutions following the findings of the Energy Management Study (1996), and to provide an update of the management of energy in the HE sector to date.

To achieve the above aim, the following objectives were identified:

- To ascertain, if possible, the level of energy savings to date achieved by the sector, distinguishing between the savings:
  - derived from effective procurement arrangements and changes in the energy market, and
  - those achieved through the better management of energy and the implementation of energy saving measures and initiatives.
- To review and update as necessary (but taking account of information already provided by Estates Management Statistics and the work being undertaken as part of the Higher Education Environmental Performance Improvement (HEEPI) project 232, Good Management Practice Initiative), the energy benchmarks established for each designated activity area (DAA), and to consider extending such benchmarks to

other DAAs (the above would include considerations regarding consumption, cost, period of occupation, operation and conditioned and non-conditioned environmental factors). To enable HEIs to benchmark their own buildings.

- To provide examples of good practice concerning energy management arrangements in HE institutions, in the UK and elsewhere. To publicise expertise within the HE sector for a range of energy saving initiatives and schemes.
- To identify sources of information, funding for HEIs available from other government-agencies and initiatives through web based and workshop solutions.
- To consider the future implications of current and impending UK legislation and European directives impacting on the management of energy and the environment in the HE sector.

### **Outputs of the study**

To provide documentation available on related HE sector organisations web sites, including HEFCE.

An electronic version of the original Energy Management study, undertaken in 1996, is available on the HEFCE web-site under 'Publications', reference M 5/96. There is also a management review guide, reference M 16/96.

### **Project groups**

Membership of the working groups charged with reviewing the 1996 study is given at Appendix B.

## **Appendix B Membership of working groups**

### **UK Value for Money Steering Group**

<b>Professor David Wallace (Chair)</b>	<b>Loughborough University</b>
Richard Aveling	University College Northampton
Professor Chris Carr	St Martin's College, Lancaster
John Lauwerys	University of Southampton
Rosalyn Marshall	Queen Margaret University College
Professor Peter Townsend	University of Wales Swansea
Peter West	University of Strathclyde

### **Project Management Committee**

<b>Richard Aveling (Chair)</b>	<b>University College Northampton</b>
Frank Dabell	School of Oriental and African Studies
Tony Holloway	Brunel University
Annie Kent (retired September 2001)	Middlesex University
David Lewis	University of Essex
Vic Slater	UMIST
Andrew Thorne	BRE
Peter West (retired October 2002)	University of Strathclyde

### **Expert Working Group**

<b>Frank Dabell (Chair)</b>	<b>School of Oriental and African Studies</b>
Diana Hampson (retired October 2002)	University of Manchester
Tony Holloway	Brunel University
Ian Knight	Cardiff University
Alison Rooney	Glasgow Caledonian University
Vic Slater (appointed October 2002)	UMIST
David Somervell	University of Edinburgh
David Thomas	Energy Consortium

Andrew Thorne

BRE

Bob Wilson

University of Glasgow

Further details on the energy management study and other studies under the Value for Money Initiative are available from:

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Brian Baverstock

Deputy Director of Financial Appraisal & Monitoring, SHEFC, Edinburgh

Robert Rogers

Head of Audit, HEFCW, Cardiff

Gillian James

Secretary to the UK VfM Steering Group, HEFCE, Bristol

**VfM project staff**

Brian Campbell

Consultant – Leadership, Governance and Management Group

Gillian James

Projects Officer – Leadership, Governance and Management Group

## **Appendix C**

### **Participating higher education institutions**

#### ***Higher Education Funding Council for England***

Anglia Polytechnic University  
Aston University  
University of Bath  
University of Birmingham  
Birkbeck College, London  
Bournemouth University  
University of Bradford  
Bretton Hall  
University of Brighton  
University of Bristol  
Buckinghamshire Chilterns University College  
University of Cambridge  
Canterbury Christ Church University College  
University of Central England  
University of Central Lancashire  
University College Chichester  
City University  
College of Ripon & York St John  
Coventry University  
Cranfield University  
Dartington College of Arts  
University of Derby  
University of Durham  
University of East Anglia  
Edge Hill College of Higher Education  
University of Essex  
Falmouth College of Arts  
University of Gloucestershire  
University of Greenwich  
Harper Adams University College  
University of Hertfordshire  
University of Huddersfield  
University of Hull  
Imperial College  
Institute of Cancer Research  
Keele University  
Kent Institute of Art & Design  
King Alfred's College, Winchester  
Kingston University  
University of Leeds  
Leeds Metropolitan University  
University of Leicester

University of Liverpool  
Liverpool John Moores University  
London School of Economics and Political Science  
University College, London  
London Institute  
University of London, Senate House  
Loughborough University  
University of Manchester  
University of Manchester Institute of Science and Technology  
Middlesex University  
University of Newcastle  
University College Northampton  
University of North London  
University of Northumbria at Newcastle  
University of Nottingham  
Nottingham Trent University  
Open University  
School of Oriental and African Studies  
University of Oxford  
School of Pharmacy  
University of Plymouth  
University of Portsmouth  
Queen Mary and Westfield College  
University of Reading  
Roehampton Institute, London  
Rose Bruford College  
Royal Academy of Music  
Royal College of Music  
Royal Holloway, University of London  
Royal Northern College of Music  
St Martin's College  
University of Salford  
University of Sheffield  
Sheffield Hallam University  
University of Southampton  
Southampton Institute  
South Bank University  
Staffordshire University  
University of Sunderland  
University of Surrey  
Surrey Institute of Art & Design  
University of Surrey, Roehampton  
University of Sussex  
University of Teesside  
Thames Valley University  
Trinity College of Music

University of Warwick  
University of the West of England  
University of Wolverhampton  
Writtle College  
Wye College, University of London  
University of York

***Scottish Higher Education Funding Council***

University of Aberdeen  
University of Abertay Dundee  
University of Dundee  
University of Edinburgh  
Edinburgh College of Art  
University of Glasgow  
Glasgow Caledonian University  
Napier University  
University of Paisley  
Robert Gordon University  
Royal Scottish Academy of Music and Drama  
University of St Andrews  
University of Stirling  
University of Strathclyde

***Higher Education Funding Council for Wales***

University of Glamorgan  
North East Wales Institute  
University of Wales – Aberystwyth  
University of Wales – Bangor  
Cardiff University  
University of Wales – Lampeter  
University of Wales – Swansea  
University of Wales Institute – Cardiff  
Trinity College  
Welsh College of Music and Drama

***Department for Employment and Learning, Northern Ireland***

Queen's University Belfast  
University of Ulster