The Higher Education Academy

Hospitality, Leisure, Sport and Tourism Network

Resource Guide
Energy, Water and Waste Management
for the Hospitality Industry

INTRODUCTION

This resource guide is primarily concerned with the management of energy, water and waste in hospitality establishments. With growing concern for the environment, and an increase in legislation and costs, an understanding of best practice in environmental management is gaining more importance for hospitality managers. The guide provides an outline of various texts, journal articles, periodicals, websites and other sources of information regarding the key issues of:

- Global concerns related to the environment.
- Government policy, targets and legislation and their impacts on business operations.
- The importance of energy, water and waste management in hospitality.
- The management of energy, water and waste in hospitality.
- Assistance available (government and industry).

TEACHING ENVIRONMENTAL MANAGEMENT IN HOSPITALITY PROGRAMMES

Environmental Management in Hospitality may be taught as a complete module, or (as at the University of Plymouth), as a component of a module in Facilities Management. There are very few text books available that relate specifically to environmental management in the hospitality industry. However, modules may be supported by a number of Government and industry publications, along with the key texts of Kirk (1996) and Webster (1999).

A module in Environmental Management in Hospitality may be structured around the key issues cited in the introduction, and may include the following:

Global concerns related to the environment

- Climate change and global warming
- Ozone depletion
- Demand for resources outstripping supply
- Pollution
- Landfill impacts
- Acid rain

Government policy, targets and legislation and their impacts on business operations

- The Earth Summit, Rio (1992), the United Nations Framework Convention on Climate Change and Agenda 21
- The Climate Change Levy
- The Environment Act (1995)
- The Landfill Tax (1996)
- The Kyoto Protocol (1997)
- The UK Climate Change Programme (2000)
- The Landfill Regulations (2002)
- The UK Climate Change Programme (2006)
- The Intergovernmental Panel on Climate Change (IPCC) and Assessment Reports
- The Climate Change Bill (currently in draft version)

The importance of energy, water and waste management in hospitality

Based around Kirk's (1996) driving forces for change:

- Legislative and fiscal requirements
- Advantages resulting from financial savings
- Consumer attitudes
- Public opinion
- Enlightened management

The management of energy, water and waste in hospitality

- Environmental Management Systems and Standards, including ISO 14000 / ISO 14001
- Environmental Policies, Action Plans and Audits
- Towel re-use schemes
- Energy and water saving products and methods
- The hierarchy of waste (Kirk, 1996) and waste management

Assistance available (government and industry)

- Hospitable Climates and other advisory services
- Funding

SUGGESTED RESEARCH PROJECTS AND ASSESSMENT QUESTIONS

Research projects may be based upon any of the following:

- An examination of motivations for, and benefits of, compliance to best practice in environmental management in the hospitality industry.
- The degree to which hotels or restaurants in the UK conform to best practice in environmental management.
- The costs and benefits of going green in the hotel industry.

Students may be split into groups and assessed on a poster presentation and report on their choice of the following topics:

Topic 1:   Energy management in hotels
Topic 2:   Water management in hotels
Topic 3:   Waste management in hotels
Topic 4:   Environmental management and cruise ships
Topic 5:   An investigation into the environmental management practices of hospitality companies
Topic 6:   Eco-tourism and sustainable tourism
Topic 7:   Research in environmental management in the hospitality industry

Or, individuals may be assessed on an analysis and evaluation of a research paper in environmental management in the hospitality industry.

ANNOTATED BIBLIOGRAPHY

Unfortunately, there are very few textbooks available that specifically relate to the hospitality industry. However, the following texts are useful:

Barrow, C. J. (2006) *Environmental Management for Sustainable Development.* **Routledge**
This book details the role of environmental management in sustainable development. Part I discusses the theory, principles and key concepts of environmental management, Part II looks at practical application (including methods and tools, pollution and waste management and tourism and environmental management), while Part III focuses on 'the way ahead' (the future). The introduction includes a useful table of definitions of environmental management.

Esty, D. C. & Winston, A. S. (2006) *Green to Gold: How Smart Companies Use Environmental Strategy to Innovate, Create Value and Build Competitive Advantage.* **Yale University Press**
Described by the Financial Times as 'a manual on how to turn your company into an eco-success', this textbook provides discussion on issues relating to pollution and natural resource management, and the growing interest in sustainability. It includes practical suggestions for achieving and capitalising on achieving environmental success.

Harvard Business Review (2007) *Harvard Business Review Green Business Strategy.* **Harvard Business School Press**
Part of a series of books aimed at managers, this contains a number of Harvard Business Review articles which highlight the need for businesses to incorporate socially responsible strategies.

Kirk, D. (1996) *Environmental Management for Hotels. A Student's Handbook. Ox*ford, **Butterworth-Heinemann**
Although relatively old, this text is still very relevant, and often cited by other authors. Based specifically upon environmental management in hotels, it is an ideal source of information for hospitality lecturers, students and industry managers. The book includes discussion of the driving forces for change, case material, and the practical implications of management in the key areas of water, energy, the indoor environment and waste.

Seneviratne, M. (2007) *A Practical Approach to Water Conservation for Commercial and Industrial Facilities.* **Elsevier Science**
This is an informative text based upon best practice in water management for both commercial and industrial facilities. Although not specifically aimed at the hospitality industry, the book does contain a chapter on the sector, which includes the following sections:

- Introduction
- Benchmarking Water and Energy Consumption
- Steps to Achieve Water Savings
- Staff Awareness Programmes
- Guest Awareness Programmes

Townsend, A. K. (2007) *Green Business: The Five Elements of an Environmentally Responsible Company.* **Schiffer Books**
This textbook presents a 5-part model for incorporating 'greener thinking' into an organisation. The text also explains why businesses are becoming environmentally friendly, and uses case studies to highlight the benefits of this.

Webster, K. (1999) *Environmental Management in the Hospitality Industry: A Guide for Students and Managers.* **Thomson Learning**
Aimed at both students and industry managers, this text provides an informative examination of issues related to environmental management in the hospitality industry. The text is agreeably structured into three parts: Challenges to the Earth's Ecosystem (including background issues in environmental management), The Hospitality Industry (including sections on energy, water, waste, green technology, packaging and transport) and The Business Environment (which includes sections on environmental business tools and the environmental audit). The text is easy to read and explains the issues of concern in the environment, such as global warming, very clearly and concisely.

Whitelaw, K. (2004) *ISO 14001 Environmental Management Systems Handbook.* **2nd ed. Butterworth-Heinemann**
This is a practical guide for the implementation of the ISO 14001 environmental management system, which includes information on the required standards, guidance on implementation and details of the assessment process.

ANNOTATED GUIDE TO JOURNALS

There are now quite a number of papers emerging on environmental management in general, and those focusing on the hospitality industry. As the following section includes reference to journals on the subject, only a small number of relevant papers are cited here.

Bohdanowicz, P. (2005) European hoteliers' environmental attitudes. Greening the business. *Cornell Hotel and Restaurant Quarterly*, **46(2), pp.188-204**
A very interesting research paper which presents the findings of a survey of over 600 representatives of European hotels.

Kirk, D. (1995) Environmental management in hotels. *International Journal of Contemporary Hospitality Management*, **7(6), pp.3-8**
This article presents an account of the way in which the hospitality industry has responded to environmental concerns. Now a little out of date, but the paper provides some excellent background information on the principles of environmental management, global and national policies, and guidelines on introducing an environmental management system.

Tzschentke, N., Kirk, D. & Lynch, P. A. (2004) Reasons for going green in serviced accommodation establishments. *International Journal of Contemporary Hospitality Management*, **16(2), pp.116-124.**
This paper presents the findings of an exploration into the motivations of serviced accommodation managers in Scotland for their involvement in environmental management practices and participation in an environmental accreditation scheme. The paper includes discussion on the perceived benefits and draw-backs of going 'green'.

Corporate Social Responsibility and Environmental Management (John Wiley & Sons Ltd and ERP Environment)
This journal publishes papers on social and environmental responsibilities in the context of sustainable development. Papers are based upon the results of research relating to the development of tools and techniques for improving performance, case studies of best practice and the assessment of different approaches to social responsibility and environmental management. **http://www3.interscience.wiley.com/journal/90513547/home**

Climate Policy

This Earthscan publication is a peer-reviewed journal of analysis and debate on responses to climate change.
http://www.earthscan.co.uk/defaultCLIMATE_POLICY.asp?sp=&v=6

Greenhotelier

Greenhotelier is a quarterly publication of the International Tourism Partnership (ITP). Each issue contains features, including case studies, related to environmental and social responsibility in the hotel industry, and provides news of environmental schemes and initiatives.

The magazine may be not be viewed on-line. However, subscription details may be found on the magazine's website, along with the contents of the current issue. At the time of writing, an annual subscription (4 issues) of greenhotelier is £32.

http://www.greenhotelier.com/

Green Futures

Green Futures is a publication of Forum for the Future, the sustainable development charity. The magazine includes short news stories and feature articles related to sustainable development, and the Green Futures Special Supplements provide in-depth discussion of key issues. The features of the current issue may be viewed on-line, but articles featured in back-issues may only be viewed by subscribed members. The web-site also includes links to organisations and subjects featured in the magazines.

http://www.forumforthefuture.org.uk/greenfutures/

Ethical Consumer Magazine

This magazine is published six times a year by ECRA Publishing Ltd. and includes buyers' guides, featuring information on the ethics of various companies and the social and environmental impacts of their products, feature articles and news stories. Example buyers' guides and current and archived news stories may be accessed through the website. A subscription to the Ethical Consumer Magazine costs £21 per year (at time of writing).

http://www.ethicalconsumer.org/online.htm

Journal of Ecotourism

The Journal of Ecotourism focuses on the social, economic and ecological aspects of ecotourism and is published by Multilingual Matters and Channel

View Publications. Free full text articles are available online for issues published between 2002-2004, and contents and abstracts available from 2005.

http://www.multilingual-matters.net/jet/default.htm

Journal of Sustainable Tourism

The Journal of Sustainable Tourism focuses on tourism and sustainable development, and is published by Multilingual Matters and Channel View Publications. Free full text articles are available online for issues published between 1996-2004, and contents and abstracts available from 2005.

http://www.multilingual-matters.net/jost/default.htm

The Electronic Green Journal

The Electronic Green Journal is a peer-reviewed on-line journal providing unrestricted access to articles and book reviews on international environmental issues. The journal is published by the University of Idaho Library.

http://egj.lib.uidaho.edu/index.php/egj

ANNOTATED GUIDE TO INTERNET RESOURCES

Agenda 21
The full text of the Agenda 21 programme, adopted at the United Nations Conference on Environment and Development in Rio in 1992, may be accessed at this webpage:
http://www.un.org/esa/sustdev/documents/agenda21/english/agenda21toc.htm

Case Studies in Sustainable Development: World Business Council for Sustainable Development
This website, of the World Business Council for Sustainable Development (WBCSD), includes free access to case studies on the sustainable development practices of various companies. The WBCSD also offers weekly E-Newsletters (registration via the website), and a large number of free publications and reports are available for download.
http://www.wbcsd.org/templates/TemplateWBCSD5/layout.asp?MenuID=1

Climate Challenge

This website is part of the Climate Change Communication Initiative led by DEFRA. Working in partnership with the Environment Agency, the Carbon Trust, the Energy Saving Trust, the UK Climate Impacts Programme, the Department for Transport and the Department of Trade and Industry, the Initiative aims to educate and inspire others to get involved in tackling the issues related to climate change. The website includes sections on the facts, and history of climate change, links to the UK's latest policies, and even short films and animations providing explanations for climate change.

http://www.climatechallenge.gov.uk/

Climate Change (Met Office)

The Met Office Hadley Centre for Climate Change is responsible for this website which contains the latest news and information on climate change and links to research, publications and reports, including the Stern Review, the IPCC Fourth Assessment Report and the Draft Climate Change Bill.

http://www.metoffice.gov.uk/research/hadleycentre/

Climate Change and Energy (DEFRA)

The Climate Change and Energy page of the website of the Department for Environment, Food and Rural Affairs (DEFRA) provides links to up to date information on climate change, news, publications, an account of the UK Climate Change Programme and many other relative key documents and materials.

http://www.defra.gov.uk/environment/climatechange/index.htm

Climate Change Levy

The Climate Change levy was introduced in April 2001, and is a tax on energy use in businesses. The purpose of this levy is to reduce greenhouse gas emissions by encouraging businesses to be more energy efficient. The levy increases energy bills by approximately 15%.

http://www.cclevy.com/

Environmental Facts and Figures (The Environment Agency)
This section of the Environment Agency's website provides information on climate change, ozone depletion, flooding and sea levels. There are also links to pages on pollution, water, resources and waste, and green business.
http://www.environment-agency.gov.uk/yourenv/eff/1190084/natural_forces/?version=1&lang=_e

EU's Contribution to Shaping a Future Global Climate Change Regime
This webpage, from the European Commission's section on Environment, provides information on the Commission's Communication 'Limiting Global Climate Change to 2º Celsius: The Way Ahead for 2020 and Beyond'. The full document may be accessed on this website, along with further information and links related to climate change.

http://www.ec.europa.eu/environment/climat/future_action.htm

Feeling the Heat (The United Nations Framework Convention on Climate Change)
This United Nations Framework Convention on Climate Change (UNFCC) website features up to date information on climate change, global warming and relevant policies. It includes a useful glossary of climate change acronyms and links to details of the Kyoto Protocol and essential background information.
http://unfccc.int/essential_background/feeling_the_heat/items/2917.php

Global Atmosphere Watch: Monitoring of the Ozone Layer
This site provides access to publications of the World Meteorological Organisation including, 'Scientific Assessment of Ozone Depletion' and 'An Overview of the 2005 Antarctic Ozone Hole'.
http://www.wmo.int/pages/prog/arep/gaw/ozone/index.html

Human Influence on Global Climate Change
This section of the Exploring Earth website addresses the evidence that human activities are affecting the global climate. The site includes a number of pages on greenhouse gases, climate change and the impacts of climate change.
http://www.classzone.com/books/earth_science/terc/content/investigations/esu501/esu501page01.cfm

International Network for Environmental Management
This website of the International Network for Environmental Management (INEM) provides access to best practice information on environmental management in small and medium sized companies, tools for the implementation of ISO and EMAS standards, and more than 6.000 publications on energy, water and waste.
http://www.inem.org/

Kyoto Protocol to the United Nations Framework Convention on Climate Change
This website directly opens the complete text of the 1997 Kyoto Protocol, the amendment to the original international environmental treaty, the United Nations Framework Convention on Climate Change (UNFCCC), developed at the Earth Summit in Rio in 1992.
http://unfccc.int/resource/docs/convkp/kpeng.pdf

Landfill Overview
An overview of landfill sites, including their impact on the environment and health, the Landfill Tax, and the Landfill directive may be found on this section of the Environment Agency's website:
http://www.environment-agency.gov.uk/business/1745440/444663/landfill/?version=1&lang=_e

The UK Climate Change Programme 2006
The full text of the UK's Climate Change Programme may be accessed at this webpage:
http://www.defra.gov.uk/environment/climatechange/uk/ukccp/index.htm

United Nations Framework Convention on Climate Change (1992)
This website opens the full text of The United Nations Framework Convention on Climate Change, the original international environmental treaty developed at the 1992 Earth Summit in Rio de Janeiro.
http://unfccc.int/resource/docs/convkp/conveng.pdf

WWF's Climate Change
This section of the WWF's website includes a number of items of interest, divided into the following sections: The Problem; Solutions; What You Can Do; News and Resources (which links to some very good factsheets).
http://www.panda.org/about_wwf/what_we_do/climate_change/index.cfm

Going Green: Minimum Standards Toward a Sustainable Hotel
Published by the International Tourism Partnership, this publication provides practical guide-lines for hoteliers wishing to work towards sustainability. The guide includes sections on Policy and Framework; Staff Training and Awareness; Environmental Management; Purchasing; People and Communities and Destination Protection.
http://www.iblf.org/resources/general.jsp?id=123931

Hospitable Climates Fact Files
The Hospitable Climates Programme of the IOH offers a series of Fact Files on energy and waste management for hospitality. These may be accessed at this site:
http://www.hospitableclimates.org.uk/Advice/FactFiles.aspx#WRAP

Sowing the Seeds of Change: An Environmental Teaching Pack for the Hospitality Industry
This is an excellent resource for education professionals wishing to introduce environmental management to the hospitality curriculum. It is a comprehensive teaching pack produced through a partnership between the International Hotel and Restaurant Association and the International Association of Hotel Schools (EUHOFA).

In PDF format, the guide is organised into the following five units: Where Do We Stand? The State of the Global Environment; Tourism, Hospitality and the Environment – Impacts and Solutions; Environmental Law, Voluntary Initiatives and Principles for Sustainable Development; Environmental Management Systems and The Sustainable Siting, Design and Construction of Tourism Facilities. Each of these begins with a unit outline and teaching objectives and ends with an exercise. The pack may be downloaded in sections using the following links:

http://www.unep.fr/pc/tourism/documents/Sowing%20the%20Seeds/1sowingtheseeds.pdf

http://www.unep.fr/pc/tourism/documents/Sowing%20the%20Seeds/2so wingtheseeds.pdf

http://www.unep.fr/pc/tourism/documents/Sowing%20the%20Seeds/3so wingtheseeds.pdf

http://www.unep.fr/pc/tourism/documents/Sowing%20the%20Seeds/4so wingtheseeds.pdf

The Tourism and Hospitality Industry Goes Green
This is a fact sheet from the Department of Environmental Protection in Pennsylvania, which provides advice and information on waste reduction and energy efficiency for specific areas within a hotel. **http://www.p2pays.org/ref/03/02592.pdf**

Waste Counts. A Handbook for Accommodation Operators
Produced by Todd, M. & Hawkins, R. (2002), of the Centre for Environmental Studies in the Hospitality Industry at Oxford Brookes University, Waste Counts is a waste minimisation handbook for accommodation providers in the UK. **http://www.business.brookes.ac.uk/research/groups/files/waste_counts_ ebook.pdf**

INDUSTRY BODIES/ASSOCIATIONS/GOVERNMENT INITIATIVES

Carbon Trust
The Carbon Trust is an independent company, set up by the Government in 2001 in response to the threat of climate change and their desire for the UK to become a low carbon economy. The role of the Carbon Trust is to assist businesses and the public sector to reduce their carbon emissions, and to support development of low carbon technologies. The Trust provides this assistance in the form of practical advice, free publications, interest-free loans and on-site surveys. Their website includes the option to view information specific to particular sectors, and the hospitality section contains links to some useful publications and case studies.
Telephone Number for General Enquiries: 0800 085 2005
Email: customercentre@carbontrust.co.uk
http://www.carbontrust.co.uk/default.ct

Climate Change Projects Office (CCPO)
The Climate Change Projects Office (CCPO) is a UK Government advisory office, jointly funded by the Department of Trade and Industry (DTI) and the Department for Environment, Food and Rural Affairs (DEFRA). They provide businesses with advice and support for projects which reduce greenhouse gas emissions. Although funding is not available from this office, they do advise on potential investors and funding sources.
http://www.dti.gov.uk/sectors/ccpo/index.html

Considerate Hoteliers Association

The Considerate Hoteliers Association was originally set up in 1990 as part of Westminster City Council's Environment Initiative. The association now includes members from all over the UK and is run specifically for hoteliers. Their purpose is to 'encourage, assist, cajole and motivate fellow hoteliers to adopt sound and sustainable environmentally friendly and socially responsible practices.' The association provides advice and information to its members and is open to all hotels and guest-houses that conform to the Considerate Hoteliers Mission Statement and Environment Charter/Policy. Email:info@consideratehoteliers.com
http://www.consideratehoteliers.com/

Envirowise

Envirowise is a Government-funded programme which provides free, confidential advice and support to UK businesses on reducing waste and environmental impact. The programme offers a business advice line, on-site visits, information resources and a very informative website. This website includes sections that specifically focus on the hospitality sector and the food and drink industry, and these contain numerous sector specific publications and case studies, available through registration.

http://www.envirowise.gov.uk/

Hospitable Climates

Hospitable Climates is an energy-efficiency agreement between the Institute of Hospitality (IOH) (formerly the HCIMA) and the Government. It is an energy advisory programme managed on behalf of the Hospitable Climates Network, and supported by the Carbon Trust. The programme is open to all sectors of the hospitality industry and offers advice, training materials, newsletters, online case studies and the opportunity to exchange energy saving ideas through its Hospitable Climates Forum.

Email: hospitableclimates@InstituteofHospitality.org

http://www.hospitableclimates.org.uk/

International Tourism Partnership

The International Tourism Partnership has evolved from the International Hotels Environment Initiative. It provides information and guidance to the hotel, travel and tourism industry on sustainability and improving environmental performance.

Telephone: 020 7467 3600 / 3622

Email: tourismpartnership@iblf.org

http://www.tourismpartnership.org/

Water Wise
Water Wise is an independent, not-for-profit organisation that provides information and assistance to businesses (and householders) with the aim of decreasing water consumption in the UK. Their website includes downloadable information packs, facts and water-saving tips.
http://www.waterwise.org.uk/

WRAP

WRAP is a private company that encourages and helps businesses to reduce waste, and minimise the amount of waste sent to landfill. The website contains a number of publications that may be of interest.

http://www.wrap.org.uk/

REPORTS

Aviation and the Global Atmosphere: IPCC Special Report
This report may be accessed section by section on the website cited below. The report was written in response to a request to assess the consequences of greenhouse gas emissions from aircraft engines. The aim of the assessment was to determine the chemical changes in the atmosphere caused by these emissions, their link to climate change, and their effect on the ozone layer.   .
http://www.grida.no/climate/ipcc/aviation/index.htm

Climate Change 2007: The Physical Science Basis, Summary for Policymakers
The InterGovernmental Panel on Climate Change (IPCC) was established to assess and report upon the current state of knowledge on climate change. At the time of writing, the IPCC is currently finalising its Fourth Assessment Report. This summary will become part of the report and provides policymakers with an up to date understanding of human and natural drivers of climate change, evidence of changes in global temperatures, and estimates of future changes in climate.
http://www.aaas.org/news/press_room/climate_change/media/4th_spm2f eb07.pdf

Climate   Change   and   its   Impacts   on   Tourism
This report was prepared for WWF-UK by Viner and Agnew of the Climatic Research Unit, University of East Anglia in 1999. The report reviews the potential impacts of climate change for a number of international holiday destinations.
http://www.wwf-uk.org/filelibrary/pdf/tourism_and_cc_full.pdf

Climate Change: The UK Programme (DEFRA)
This report, prepared by the Department for Environment, Food and Rural Affairs (DEFRA), details the UK Government's Climate Change Programme (their policies and priorities in relation to addressing the challenges of climate change).

http://www.defra.gov.uk/environment/climatechange/uk/ukccp/pdf/ukccp06-all.pdf

Draft Climate Change Bill: Department for Environment, Food and Rural Affairs (DEFRA)
In its commitment to address the causes and consequences of climate change, this consultation document details the proposals of the UK Government for a Climate Change Bill. This Bill will provide a long-term legal frame-work for the UK to meet its targets in the reduction of carbon dioxide. This consultation document presents background information on the underlying principles behind the Climate Change Bill.
http://www.official-documents.gov.uk/document/cm70/7040/7040.pdf

Meeting the Energy Challenge: A White Paper on Energy, 2007
This paper, prepared by the Department of Trade and Industry (DTI), outlines the Government's international and domestic energy strategy for reducing carbon dioxide emissions and other policy goals related to the supply of energy.
http://www.berr.gov.uk/files/file39387.pdf

Industry as a Partner for Sustainable Development: Tourism
This report, prepared by the United Nations Environment Programme (UNEP) provides an overview of the tourism industry and key trends in the three dimensions of sustainability (economic, social and environmental). The report details the measures implemented since Rio 92 and identifies future goals. Part Four of the report focuses on the hospitality industry.
http://www.uneptie.org/outreach/wssd/docs/sectors/final/tourism.pdf

National Implementation of Agenda 21: A Report
This report was prepared in 2002 by the National Information Analysis Unit in the Division for Sustainable Development of the United Nations Department of Economic and Social Affairs (UN/DESA). It provides an overview of the current status of global implementation of Agenda 21, the international agreement on environment and development signed at the United Nations (UN) Earth Summit Conference in Rio de Janeiro in 1992.
http://www.un.org/esa/agenda21/natlinfo/wssd/NIA_REPORT.pdf

Stern Review on the Economics of Climate Change : Final Report
This report may be accessed, section by section, on the website cited below. The report details the findings of an independent review on the Economics of Climate Change carried out by Sir Nicholas Stern for the UK HM Treasury in 2006. The report includes chapters on: The Science of Climate Change; How Climate Change Will Affect People around the World and Implications of Climate Change for Development.
http://www.hm-treasury.gov.uk/independent_reviews/stern_review_economics_climate_change/stern_review_report.cfm

Waste Strategy for England, 2007

This report, published by the Department for Environment, Food and Rural Affairs (DEFRA), outlines the aims, objectives, targets and key proposals of the UK Government's new waste strategy and their progress so far. **http://www.defra.gov.uk/environment/waste/strategy/strategy07/pdf/waste07-strategy.pdf**

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