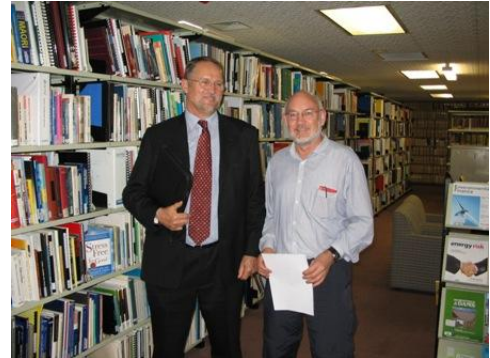


## Energy Library Update

June 2007

Want to escape the cold? Why not follow the example of Mike Underhill, the new CEO of EECA and come visit us. That's Mike there on the right with Brian Cox (Energy Library Director) during a recent visit to the library.

Ring us before you come in so we can organise to show you around. And since we are a generous bunch you will probably leave after your visit clutching one of our favourite chocolate bars. What kind would that be? A Cadbury "Energy" bar of course.



**Energy Library Table of Contents Service update:** There is now no charge to members for our email table of contents alerts. You can subscribe yourself to alerts via our website. You'll need to login first (please [email us](#) if you've forgotten your login details).

**Energy Library Updates:** Take a look at our most recent IPENZ sponsored [Engineering Update](#), which had a focus on Green Building. Our most recent [Bioenergy Update](#) is on our website too. [Tell us](#) if you would like to go on the mailing list for either of these updates.

If you would like any of the resources listed below just email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) quoting the title of the item or its reference code. Charging depends on the agreement your organisation has with us. Note that most Update items are issued for 2 weeks.

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## New Books and Standards

**Making energy work : A sustainable energy future for New Zealand.** (2007)

Christina Hood and Colin James. Wellington: Institute of Policy Studies.

This book draws on the wide range of expertise brought together in 2006 when the Institute held roundtable discussions on energy sustainability. These meetings brought together about 60 of New Zealand's leading energy specialists and stakeholders.

(To borrow this book email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Hood**)

**AS/NZS 1429.1: 2006. Electric cables: polymeric insulated. Part 1: For working voltages 1.9/3.3(3.6) kV up to and including 19/33(36) kV**

Specifies the requirements for cross-linked polyethylene (XLPE) and ethylene propylene rubber (EPR) insulated, individually screened single-core and three-core cables for fixed installations for electricity supply, with or without armour.

(To borrow this standard email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06-14291**)

**AS/ISO 14064.2: 2006. Greenhouse gases. Part 2: Specification with guidance at the project level for quantification and reporting of greenhouse gas emissions, reductions and removal enhancements (ISO 14962-2:2006)**

Focuses on GHG projects or project-based activities specifically designed to reduce GHG emissions or increase GHG removals. Includes principles and requirements for determining project baseline scenarios and for monitoring, quantifying and reporting project performance relative to the baseline scenario and provides the basis for GHG projects to be validated and verified.

(To borrow this standard email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06-14064.2**)

**AS/ISO 14064.3: 2006. Greenhouse gases. Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions.**

ISO 14064-3 details principles and requirements for verifying GHG inventories and validating or verifying GHG projects. Describes the process for GHG-related validation or verification and specifies components such as validation or verification planning, assessment procedures and the evaluation of organization or project GHG assertions.

(To borrow this standard email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06-14064.3**)

**The official New Zealand truck loading code: Code of practice for the safety of loads on heavy vehicles.** (2007) Land Transport New Zealand. Wellington: M.O.T.

(To borrow this book email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Truck**)

**Applied groundwater modeling: simulation of flow and advective transport.** (2002)

Anderson, Mary P.; Woessner William W. San Diego: Academic Press

(To borrow this book email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Anderson**)

## Reports

**Increasing the Uptake of Solar Water Heating: A Government Discussion Document.**

(2006) Wellington: Energy Efficiency and Conservation Authority (EECA)

You might like to also take a look at EECA's recently launched Solar Smarter [website](#).

(This report is available [online](#) or you can [borrow](#) our copy Ref: **06Solar**)

**Alternative Liquid Fuels - Global Availability, Economics and Environmental Impacts.**

This report by EME Consulting was published by the Ministry of Economic Development in March and is available [online](#). It will be of interest to many since New Zealand is heavily dependent on conventional oil for transport energy.

## **Planning for Micro Renewables: Annex to PAN 45 Renewable Energy Technologies.**

(This report is available [online](#) or you can [borrow](#) our copy Ref: **06Micro**)

## **Delivering Community Benefits from Wind Energy Development: A Toolkit**

A report for the Renewables Advisory Board and DTI. This report is available [online](#).

## **Special Journal Issue**

**Distributed Generation** (Electric Power Systems Research: Vol. 77, Issue 9, July 2007). This issue contains 8 articles on various aspects of distributed generation.

(To borrow this whole journal issue email [kmcara@energylibrary.org.nz](mailto:kmcara@energylibrary.org.nz) Ref: **06DG**)

## **New Management, Marketing and HR Articles**

**Even commodities have customers.** Jacques, François M. *Harvard Business Review* Vol. 85 (5), May 2007 p110-119

It isn't easy to establish a marketing function in a company that doesn't think it needs one. Francois Jacques, head of marketing at a cement company, explains how he tackled the challenge on a number of fronts...

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Jacques**)

**The new deal at the top.** Doz, Yves L. and Kosonen, Mikko. *Harvard Business Review*; Vol. 85 Issue 6, Jun2007 p98-104

What makes a company strategically agile--able to alter its strategies and business models rapidly in response to major changes in its market space, and to do so repeatedly without major trauma?

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Doz**)

**Research revolution. (cover story)** Medcalf, Graham. *NZ Marketing Magazine*; Mar 2007, Vol. 26 Issue 2, p14-19

The potential of the semiotic approach to marketing and advertising is discussed. In New Zealand semiotics has remained within the academic domain and there are not enough skilled, proficient practitioners applying semiotics in their day-to-day work.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Medcalf**)

**Corporate social responsibility and firm performance: Investor preferences and corporate strategies.** Mackey, Alison and others. *Academy of Management Review*; Jul 2007, Vol. 32 Issue 3, p.817-835

What impact do socially responsible actions have on a firm's market value?

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Mackey**)

**Cooperation between corporations and environmental groups: a transaction cost perspective.** King, Andrew. *Academy of Management Review*; Jul 2007, Vol. 32 Issue 3, p.889-900  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06King**)

**Managing employee stress: A key to the effectiveness of strategic supply chain management.** John W. Upson and others. *Organizational Dynamics*; Volume 36, Issue 1, (2007) p78-92  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Upson**)

**Factors in reducing occupational noise exposure.** Williams, W.; Purdy, S. *Journal of Occupational Health and Safety Australia and New Zealand* Apr 2007 Vol 23(2), p.165-176  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Purdy**)

**The hold-up problem in the management of construction projects: A case study of the Channel Tunnel.** Chen-Yu Chang and Graham Ive. *International Journal of Project Management*; Volume 25, Issue 4, (May 2007) p.394-404  
The hold-up problem in the presence of asset specificity poses great transaction hazards. Having a sound understanding of this problem is an important managerial issue. The purpose of this research is to apply the perspective of transaction cost economics to the analysis of three major disputes that arose in the Channel Tunnel project during 1988-94.  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Chang**)

## New Energy Articles

**The new gold rush. (Cover story)** Tim Watkin. *The Listener*; Vol 208 No. 3498 May 26-June 1 2007, p.16-20  
This article is one of several on the "green revolution" in this issue of the Listener and is available [online](#).

**Counting the CARBS.** Jayne, Vicki. *New Zealand Management*; Apr 2007, Vol. 54 Issue 3, p36-41  
Examines efforts by the government and companies in mitigating carbon emissions. According to Helen Clark, six government departments will commit to reaching carbon neutrality by 2012. One sign of this is an announcement on Landcare Research's carbonZero site and the government-accredited carbonZero certification program.  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Jayne**)

**Forestry on warpath.** Elizabeth Howarth. *Inwood*; Mar 2007 Issue 73, p6-10  
The response of plantation forest owners to the NZ government discussion document "Sustainable Land Management and Climate Change," is discussed. The aim of this document was to encourage tree planting and discourage deforestation, however many believe it may have the opposite effect.  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Howarth**)

**Snapshots of our urban future.** Molly O'Meara Sheehan. *World Watch*; Mar/Apr 2007. Vol. 20, Iss. 2, p. 25-31

The environmental problems that cities face vary with wealth. The stories of six different cities from around the world are presented. How do these cities cope with the challenges they face and what will their urban future be like?

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Sheehan**)

**Policies to ease the transition to a post-fossil fuel era.** Ogihara, Akira and others. *International Review for Environmental Strategies*; 2007, Vol. 7 (1), p63-79

Using case studies the authors consider environmental policies which could help us move away from our dependence on fossil fuels. The major obstacle is the relatively high cost of renewable energy. The paper focuses in particular on biomass energy and investment in renewable energy development.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Akira**)

**Promoting low-carbon electricity production.** Jay Apt and others. *Issues in Science and Technology*; Spring 2007. Vol. 23, Iss. 3; p. 37, 7 pages

(This article is available [online](#) or email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Apt**)

**Why has there been a relative failure of renewable energy systems in the USA?**

Benjamin Sovacool. In: *Renewable Energy 2006* (p24-30). London: Sovereign.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Sovacool**)

**Kyoto: UK not on target. Policy and funding practices need attention for UK renewables to prosper fully.** Peter Prag. *Refocus*; Volume 8, Issue 1, January 2007, Pages 57-59

Renewable Energy in the Countryside author Peter Prag looks at how the UK is generating renewable energy - as the chances of the country meeting its Kyoto targets appear slim.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Prag**)

**If the shoe FITs: Using feed-in tariffs to meet U.S. renewable electricity targets.**

Wilson H. Rickerson and others. *The Electricity Journal*; Vol 20 (4), May 2007, p.73-86

Experiences in Europe have demonstrated that well-designed FITs can drive rapid and dramatic growth in renewable electricity markets, promote strong manufacturing industries, and create thousands of new jobs in a cost-effective manner. If properly structured, FIT-inspired mechanisms in the U.S. have the potential to jumpstart rapid renewable energy market growth that could reshape the country's energy landscape.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Rickerson**)

**The opposite of learning: Ossification in the climate change regime.** Depledge, Joanna. *Global Environmental Politics*; Feb 2006, Vol. 6(1), p1-22

Combating climate change requires flexible thinking and innovation. For a number of reasons (obstructionists, the non-attendance of the U.S. etc) international rigidity is setting in. What can be done to reinvigorate the regime?

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Joanna**)

**Turbine shortage looms large.** Candida Jones. *Environmental Finance*; Vol 8 (6) April 2007 p.26-27

This article reports on how wind farm developers in Europe are grappling with the continuing shortage of turbines.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Jones**)

**Poor take-up of energy-efficient lighting technology curbs environmental gains.**

James Hunt. *Energy World*; March 2007 p.18-20

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Hunt**)

**Habit formation and consumption of energy for heating: Evidence from a panel of danish households.** Leth-Petersen, Søren. *Energy Journal*; Vol. 28 (2), 2007 p.35-54

In this paper we ask if consumption of energy for space heating by households is habit forming. A model of intertemporal consumption allocation allowing for habit-forming preferences is estimated on a register-based panel data set with high quality information about consumption of natural gas for a sample of Danish households.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Soren**)

**Behavioural responses to photovoltaic systems in the UK domestic sector.** James Keirstead. *Energy Policy*; Volume 35, Issue 8, (August 2007) p.4128-4141

Microgeneration has recently become a notable addition to UK energy policy debates. Specifically research has suggested that, as well as providing renewable energy, these technologies might encourage changes in household energy consumption. The research presented here investigates this 'double-dividend' effect using PV households in the UK. (For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06James**)

**Built for the sun: Solar thermal collectors as architectural elements.** *Renewable Energy World*; Vol 10 (2) Mar/Apr 2007. This article is available [online](#).

**Tale of two low-energy designs: comparison of mechanically and naturally ventilated office buildings in temperate climates.** Christine E. Walker and others. *ASHRAE Transactions*; Vol. 113, Part 1 2007. p.36-50

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Walker**)

**Meeting the needs of 24/7 data centers.** Christopher Kurkjian, Jack Glass. *ASHRAE Journal*; New York: Feb 2007. Vol. 49, Iss. 2; p. 24 (8 pages)

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Glass**)

**Fuel consumption, emissions estimation, and emissions cost estimates using global positioning data.** Betsy J. Agar and others. *Journal of the Air & Waste Management Association*; Mar 2007. Vol. 57, Iss. 3; p. 348, 7 pages

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Agar**)

**Fuel efficiency and motor vehicle travel: The declining rebound effect.**

Small, Kenneth A. and Van Dender, Kurt. *Energy Journal*; 2007, Vol. 28 (1) p25-51

The authors estimate the rebound effect for motor vehicles, by which improved fuel efficiency causes additional travel.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Small**)

**Intelligent travel: Planning for the revolution.** Stewart, W. *Proceedings of the Institution of Civil Engineers: Civil Engineering*; Volume 160 (1), Feb 2007, p.39-42

This paper describes the 50-year view by the UK Government's Foresight programme of the future of intelligent transport infrastructure, its implications and its social context. By 2055, it is envisaged that people will better understand the resource implications as well as the direct costs of their lifestyles - and perhaps they will actually travel less. But given the slow speed at which infrastructure systems adapt, we need to start planning now.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Stewart**)

**Applied research on new multi-function gasoline additive.** Cai, R. and others. *Chinese Journal of Mechanical Engineering (English Edition)*; 19 (4), 2006, p626-632

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Caj**)

**"Dirty, old" coal plants: Silk purse or sow's ear?** Adam Borison and Greg Hamm. *The Electricity Journal*; Volume 20 (3), April 2007. Pages 30-36

The current debate over what to do with "dirty, old" power plants is severely by a narrow and rigid decision frame. Adopting a broader, more flexible decision frame, and using improved analytical tools suited for that frame, can make a real and important difference in the strategy for such plants, creating both economic and environmental benefits.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Hamm**)

**China crisis for exports.** *CoalTrans International*; Vol 22 (1) Jan/Feb 2007 p14,16-18

China's coal exports are falling as its fast expanding industrial sector creates more demand.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Coaltrans**)

**Hydro development back on the agenda in New Zealand.** [No author cited] *International Journal on Hydropower & Dams*; Vol 14 (1) 2007, p.75-78

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Hydro**)

**Assisted visual inspection of dams for structural safety control.** A. Berberan and others. *International Journal on Hydropower & Dams*; Vol 14 Issue 2 2007; p.77-81

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Berberan**)

**Ontario's smart meter initiative: Province's electricity distributors begin first wave of deployment.** Michael Angemeer. *Metering International*; Issue 4 2006 p46-49

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Angemeer**)

**Examples of industrial uses of geothermal energy in the United States.** John W. Lund. *Geothermal Resources Council Bulletin*; March/April 2007 p.26-31

Covers industrial operations (zinc extraction, heap leaching, milk pasteurization, sludge digestion, agricultural drying) and the economics of industrial applications.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Lund**)

**Current and future financial competitiveness of electricity and heat from energy crops: A case study from Ireland.** David Styles and Michael B. Jones. *Energy Policy*; Volume 35, Issue 8, (August 2007) p.4355-4367

It has been demonstrated that Miscanthus and willow energy-crop cultivation could be economically competitive with current agricultural land uses at a farm-gate biomass price ranging from €70 to €130 t<sup>-1</sup> dry matter. This paper uses the same farm-gate prices to calculate the economic competitiveness of energy crop electricity and heat production, using a net-present-value (NPV) approach (20-year period, 5% discount rate).

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Styles**)

**The RoHS and WEEE directives: Environmental challenges for the electrical and electronic products sector.** Robin Wright and Karen Elcock. *Environmental Quality Management*; Summer 2006, Vol. 15 (4), p.9-24

How is the EU addressing the problem of electrical and electronic equipment waste?

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Wright**)

**Storm modeling for prediction of power distribution system outages.** Dan Zhu and others. *Electric Power Systems Research*; Vol. 77 (8), June 2007 p.973-979

Utility companies spend tremendous amounts of money on storm outage restoration. A storm model which can accurately predict time-varying outages for approaching or ongoing storms will help with outage management. This paper proposes a two-stage prediction method to forecast storm related outages.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Zhu**)

**Life extension and condition assessment.** N. Dominelli and others. *IEEE Power and Energy Magazine*; Volume 4, Issue 3, May 2006, Pages 24-35

This article discusses projects designed to assess the condition and extend the life of power transformers and PILC cables.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Dominelli**)

**Future intelligent power grids: Analysis of the vision in the European Union and the United States.** Debora Coll-Mayor and others. *Energy Policy*; Vol 35(4), Apr 2007, p2453-2465

The future of power grids is expected to involve an increasing level of intelligence and integration of new information and communication technologies in every aspect of the electricity system, from demand-side devices to wide-scale distributed generation to a variety of energy markets. The authors provide a general outlook of this future in the US and the European Union and compares two approaches—GridWise™ and SmartGrid.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Mayor**)

**A multicarrier modular photovoltaic grid-connected inverter with a new phase-shift rule.** Xuanyuan Wang and Mehrdad Kazerani. *Electric Power Systems Research*; Volume 77 (7), May 2007, p754-760

Photovoltaic grid-connected inverters are distributed power generation devices that convert the dc power from solar panels to high-quality ac power at the utility grid interface. Adopting modular design in these systems improves expandability, serviceability, reliability and efficiency. In this paper, the phase-shifted carrier technique, which is normally used in high-power multiconverter schemes, is applied to a modular residential photovoltaic grid-connected inverter to improve the output power quality.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Wang**)

**A survey of frequency and voltage control ancillary services—Part I: Technical features.** Rebours, Y. G. and others. *IEEE Transactions on Power Systems*; Volume 22(1) Feb. 2007. p.350-357

Part one of a two-part survey of the frequency and voltage control ancillary services in power systems around the world.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Rebours**)

## Featured Topic

### Carbon Capture and Storage: Samplings from our collection and the Web.

Note: There were many recent pertinent articles on this topic that we didn't have room to include. For the longer list please email [kmcara@energylibrary.org.nz](mailto:kmcara@energylibrary.org.nz) (Ref: **06CCS**)

**Sorption-enhanced hydrogen production for pre-combustion CO2 capture: Thermodynamic analysis and experimental results.** P.D. Cobden and others. *International Journal of Greenhouse Gas Control*; Volume 1 (2), Apr 2007, p.170-179

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Cobden**)

**Cost and performance of fossil fuel power plants with CO2 capture and storage.**

Edward S. Rubin and others. *Energy Policy*; 2007 [article in press]

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Rubin**)

**Incorporating carbon capture and storage technologies in integrated assessment models.** James R. McFarland and Howard J. Herzog. *Energy Economics*; Volume 28, Issues 5-6, November 2006, Pages 632-652

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Herzog**)

**Carbon sequestration potential in reclaimed mine sites in seven East-Central States.**

Mark Sperow. *Journal of Environmental Quality*. Jul/Aug 2006. Vol. 35, (4) p.1428-1438.

(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Sperow**)

**Carbon cure.** Gordon, S. *IEE Power Engineer*; 19 (6), 2005, p.18-21.  
BP Shell and ConocoPhillips, along with Scottish and Southern Energy, are CCS.  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Gordon**)

**Negative emissions from BioEnergy use, carbon capture and sequestration (BECS): The case of biomass production by sustainable forest management from semi-natural temperate forests.** Kraxner, F. and others. *Biomass and Bioenergy*; Vol. 24 (4-5), 2003, p. 285-296.  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Kraxner**)

**CO2 Capture and Storage** (*EPRI Journal*, Spring 2007 - Special issue) – read [online](#).

**Analysis of carbon capture and storage cost-supply curves for the UK** – [DTI report](#)

**First successful demonstration of carbon dioxide air capture technology achieved by columbia university scientist and private company** – [news](#)

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(To request details about subscribing to our Customized Topic Updates email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) and quote **Ref: Topic**)

## **Oldies and Goodies from the Energy Library collection**

**History of the New Zealand Transmission Grid (DVD).** (2004) Wellington: Transpower  
(To borrow this DVD email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06History**)

**The 20% solution: Using rapid redesign to create tomorrow's organizations today.**  
(1995) John J. Cotter. N.Y.: John Wiley  
This book on organisational change is enlivened by illustrative examples, e.g. how Encyclopedia Britannica failed, and how lateral thinking is a bonus in the design of staff rewards.  
(To borrow this book email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Cotter**)

**Method of analysis and assessment on power system voltage phenomena, and improvements including control strategies for greater voltage stability margins.**  
Y.Sekine and others. CIGRE, paper 38-206, 1992.  
(For a copy of this article email [library@energylibrary.org.nz](mailto:library@energylibrary.org.nz) Ref: **06Sekine**)

## Energy on the Web

### New Zealand

**Arrangements to assist low income consumers** – [Guidelines under review](#)

**Market Design Review Issues Paper** – [Consultation paper](#)

**Energy and the Economy 1997-2005** – [Statistics New Zealand report](#)

**Free home energy efficiency check (Waitakere and Auckland)** - [website](#)

**Smarter Homes** – Newly launched [website](#)

**Schoolgen** - Genesis Energy renewable energy interactive [website](#) for schools.

**Emprove** - EECA energy management [online tool](#)

**Turning waste into profit** - [news](#) on the use of tallow.

### Energy Trusts of New Zealand (ETNZ)

ETNZ is the national organisation for 24 energy trusts, the majority of whom own shares in companies that operate electricity networks (lines businesses) – [website](#).

### International

**Preventing Debt and Disconnection: The Review** – [Ofgem report](#)

**Social Action Strategy (2007 Update):** [Ofgem report](#)

**Prepayment Meters and Fuel Poverty** - [Ofgem Factsheet](#)

**The UK Fuel Poverty Strategy: Fourth Annual Progress Report 2006** – [DTI report](#)

**Climate Change 2007: The Physical Science Basis** - [IPCC report](#)

**Earth could 'flip' into environmental disaster** - [news](#)

**Statistical Review of World Energy 2007: Energy in our World Today** - [review](#)

**Our Energy Challenge: Securing Clean Affordable Energy for the Long-term**  
(BWEA's response to the 2006 UK Government Energy Review) - [report](#)

**The Commission's Green paper: a European strategy for sustainable, competitive and secure energy** – [Green paper](#)

**Economic Viability of a Simple Tidal Stream Energy Capture Device** – [DTI report](#)

**Carnegie Mellon Electricity Industry Center (CEIC)** – This [website](#) contains PhD dissertations, reports and working papers on many aspects of strategic electricity research and electricity policy.

**Robust Decisions and Deep Uncertainty: An Application of Real Options to Public and Private Investment in Hydrogen and Fuel Cell Technologies** - [Dissertation](#)

## Conferences

- **9th Annual New Zealand Energy Summit [13<sup>th</sup> & 14<sup>th</sup> August 2007]**
- **5th Annual GAS Industry Summit [13<sup>th</sup> & 14<sup>th</sup> August 2007]**
- **2nd Annual Climate Change and Energy Emissions Management Summit [15<sup>th</sup> August 2007]**

These 3 energy sector events are to be co-located at the Duxton Hotel on the 13th, 14th and 15th of August 2007.

The three day Energy Summit will cover the major issues facing the energy sector today: current issues in power and generation, security of supply, and confronting climate change in the energy sector. With many of New Zealand's top CEOs and regulators from the sector confirmed to speak over the three days, this will be a major who's who of the energy sector.

Talking of who's who: keep an eye out for the Energy Library banner and visit the Energy Library information stand at these conferences.

To register or find out more go to the [Conferenz website](#).

## Food for Thought

London landmarks turned off their lights for one hour between 9pm and 10pm on Thursday 21 June to bring attention to climate change. View some [photos](#) of the event.

According to an American scientist a man-made microbe could create endless biofuel. To be in to win a king-size bar of energy chocolate [email Kat McAra](#) with the answer to this question: What name has been given to this potential microbe? (The answer is in the [article](#)).

Draw closes 4pm Friday 13<sup>th</sup> July.

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